

2020 Annual Groundwater Monitoring & Corrective Action Report

Plant Bowen

Cells 1 & 2

Cells 3 & 4

Cells 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (LI)

Prepared for:



Date: JANUARY 29, 2021

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Project No.: 6122-16-0287

**GEORGIA POWER COMPANY
PLANT BOWEN
SOLID WASTE DISPOSAL FACILITY
PERMIT NO. 008-018D (LI)**

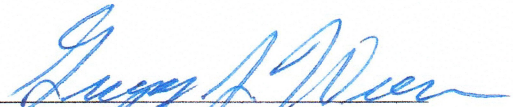
**2020 ANNUAL
GROUNDWATER MONITORING & CORRECTIVE ACTION REPORT**

CERTIFICATION STATEMENT

This 2020 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company - Plant Bowen Solid Waste Facility Landfill Cells 1 & 2, 3 & 4, and 9 & 10 has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Wood Environment & Infrastructure Solutions, Inc.



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SUMMARY

This summary of the 2020 Annual Groundwater Monitoring and Corrective Action Report provides the status of groundwater monitoring and corrective action program through December 2020 at Georgia Power Company's (Georgia Power's) Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 (the Site). This summary was prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6¹ of the U.S. Environmental Protection Agency (USEPA) coal combustion residual (CCR) rule (40 Code of Federal Regulations [CFR] 257 Subpart D).

Plant Bowen solid waste disposal (landfill cells) facility is located in Bartow County off State Highway 113, approximately 7 miles west-southwest of Cartersville and 20 miles southeast of Rome. The disposal facility receives coal combustion by-products, coal ash and gypsum, from coal power generating processes at the plant. The landfill cells are lined in accordance with Solid Waste Permit No. 008-018D (LI). Cells 3 & 4 have a leachate collection system. Gypsum placement in disposal Cells 1 & 2 began in November 2008, whereas ash placement in disposal Cells 3 & 4 began in February 2015. Waste placement operations were initiated in Cells 9 & 10 in November 2015 and are only used to store non-marketable gypsum. The Site is located on the northeastern portion of the Plant Bowen property shown on Figure 1.

The groundwater monitoring program for the landfill is managed in accordance with the landfill's Solid Waste Permit No. 008-018D (LI), as issued by the Georgia Environmental Protection Division (GA EPD), and in accordance with Georgia Solid Waste Management Rules for Groundwater Monitoring and Corrective Action of a municipal solid waste landfill, Rule 391-3-4.14. The landfill is also subject to the USEPA CCR rule and the GA EPD Rules for Solid Waste Management 391-3-4-.10. A well network around each of the active disposal cells monitors the groundwater conditions at the Site. The current monitoring well network at Cells 1 & 2 consists of 29 wells (9 upgradient and 20 downgradient wells). The current monitoring well network at Cells 3 & 4 consists of 23 monitoring wells (12 upgradient wells and 11 downgradient wells). The current monitoring network at Cells 9 & 10 consists of 17 monitoring wells (8 upgradient wells and 9 downgradient wells). The wells were installed from April 2006 through November 2016 and meet federal and state monitoring requirements. Groundwater monitoring, in accordance with the permit-issued Design and Operations (D&O) Plan, began in 2007, prior to disposal activities, and continues to date. Routine sampling and reporting began after the background groundwater



Figure 1. Plant Bowen Landfill Cells

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

2020 Annual Groundwater Monitoring & Corrective Action Report
Wood Project 6122-16-0287

conditions were established between February 2016 and August 2017. Based on groundwater conditions at the Site, a detection monitoring program was established. During the 2020 annual reporting period, the Site remained in detection monitoring.

During the 2020 reporting period, two groundwater sampling events were conducted in March and September. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Appendix III parameters² and the 16 Solid Waste Permit metals³ required by the Georgia Solid Waste Permit (No. 008-018D (LI)) were analyzed. Per the CCR rule, groundwater results for March and September 2020 data were evaluated in accordance with the certified statistical methods. That evaluation showed statistically significant values of Appendix III² parameters and Solid Waste Permit parameters³ in wells provided in the table below. The statistical exceedances are not thought to be the result of a release from the landfill cells and are likely attributed to natural variability of groundwater chemistry underlying the Site. Three Alternate Source Demonstrations (dated August 2017, April 2018, and August 2020) address the exceedances.

Appendix III Parameter	March 2020	September 2020
Boron	None	None
Calcium	GWC-5, GWC-6, GWC-16R, GWC-17R, GWC-21R, GWC-23R, GWC-45R	GWC-16R, GWC-17R, GWC-21R, GWC-23R
Chloride	GWC-10R, GWC-13, GWC-13RZ, GWC-14Z, GWC-45R	GWC-13RZ
Fluoride	None	None
pH	GWC-8RR, GWC-9, GWC-44, GWC-45, GWC-48, GWC-49R	GWC-8RR, GWC-11R, GWC-44, GWC-45, GWC-48, GWC-49R, GWC-49Z
Sulfate	GWC-14Z, GWC-21R, GWC-45R	None
TDS	GWC-45, GWC-45R, GWC-48	None
Solid Waste Permit Metals	March 2020	September 2020
Antimony	GWC-16R	None
Barium	GWC-13RZ, GWC-49R	GWC-13RZ
Zinc	GWC-47, GWC-47R	GWC-47R

Based on review of the Appendix III and 16 Solid Waste Permit metals statistical results completed for the groundwater monitoring and corrective action program from January through December 2020, the Site will continue in detection monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to GA EPD semi-annually.

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

³ Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, zinc

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Site Description and Background.....	1
1.2	Regional Geology and Hydrogeologic Setting	2
1.3	Groundwater Monitoring Network.....	3
2.0	GROUNDWATER MONITORING ACTIVITIES	4
2.1	Monitoring Well Installation and Maintenance	4
2.2	Detection Monitoring Program.....	4
2.3	Other Groundwater Sampling	5
3.0	SAMPLE METHODOLOGY & ANALYSES	6
3.1	Groundwater Elevation Measurements and Flow Direction.....	6
3.2	Groundwater Gradient and Flow Velocity.....	6
3.3	Continuous Water Level Monitoring (Hydrogeologic Monitoring).....	7
3.4	Groundwater Sampling	8
3.5	Laboratory Analyses	9
3.6	Groundwater Analytical Results	9
3.7	Quality Assurance & Quality Control.....	10
4.0	STATISTICAL ANALYSIS	11
4.1	Statistical Method	11
4.2	Statistical Analyses Results	14
5.0	MONITORING PROGRAM STATUS	19
6.0	CONCLUSIONS & FUTURE ACTIONS	20
7.0	REFERENCES	21

TABLES

Table 1	Monitoring Well Network Summary
Table 2	Groundwater Sampling Event Summary
Table 3	Summary of Groundwater Elevations
Table 4	Groundwater Flow Velocity Calculations
Table 5	Analytical Data Summary Appendix III (2020) Landfill Cells 1 & 2
Table 6	Analytical Data Summary Appendix III (2020) Landfill Cells 3 & 4

TABLES - continued

Table 7	Analytical Data Summary Appendix III (2020) Landfill Cells 9 & 10
Table 8	Analytical Data Summary Solid Waste Permit Metals (2020) Landfill Cells 1 & 2
Table 9	Analytical Data Summary Solid Waste Permit Metals (2020) Landfill Cells 3 & 4
Table 10	Analytical Data Summary Solid Waste Permit Metals (2020) Landfill Cells 9 & 10
Table 11	Statistical Method Summary (embedded in text)
Table 12	Statistical Analysis Summary – CCR Constituents March 2020 (embedded in text)
Table 13	Statistical Analysis Summary – CCR Constituents September 2020 (embedded in text)
Table 14	Statistical Analysis Summary – Solid Waste Permit Metals March 2020 (embedded in text)
Table 15	Statistical Analysis Summary – Solid Waste Permit Metals September 2020 (embedded in text)

FIGURES

Figure 1	Site Location Map
Figure 2	Monitoring Well Network
Figure 3	Potentiometric Surface – Overburden Wells Event 14 (February 2020)
Figure 4	Potentiometric Surface – Overburden Wells Event 15 (September 2020)
Figure 5	Potentiometric Surface – Bedrock Wells Event 14 (February 2020)
Figure 6	Potentiometric Surface – Bedrock Wells Event 15 (September 2020)

APPENDICES

Appendix A	Laboratory Analytical Data and Field Sampling Reports for 2020
Appendix B	Historical Groundwater Monitoring Results and Statistical Results
Appendix C	Memorandum on Hydrogeologic Monitoring Program
Appendix D	Alternate Source Demonstrations

LIST OF ACROYMNS

CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
cm/ft	centimeters per feet
D&O	Design and Operations
ft	feet
ft bgs	feet below ground surface
ft/ft	feet per foot
GA EPD	Georgia Environmental Protection Division
MCL	Maximum Contaminant Level
mg/L	milligrams per liter
O&M	Operations and Maintenance
PE	Professional Engineer
PG	Professional Geologist
SSI	Statistically Significant Increase
su	standard unit (unit for pH values)
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D and the Georgia Environmental Protection Division (EPD) Rules of Solid Waste Management 391-3-4-.10, this 2020 Annual Groundwater Monitoring & Corrective Action Report has been prepared to document groundwater monitoring activities conducted during the 2020 calendar year at Georgia Power Company's (Georgia Power's) Plant Bowen solid waste disposal facility Cells 1 & 2, 3 & 4, and 9 & 10 (Site).

Groundwater monitoring is conducted under the requirements of the Georgia Solid Waste Permit No. 008-018D (LI) and in accordance with the specifications in the Design and Operation (D&O) Plan. This includes semi-annual groundwater sampling and groundwater level monitoring at the Site. A minor modification, dated August 9, 2017, approved the addition of Appendix III and IV parameters contained in the U.S. Federal regulations 40 CFR 257 Subpart D to the groundwater monitoring plan in Solid Waste Permit No. 008-018D (LI). An application for a new Georgia CCR permit, dated November 20, 2018, was submitted for the facility to replace the Solid Waste Permit. On October 22, 2020, Georgia EPD provided comments on the Application for Solid Waste Handling Permit - APL 0082 and requesting additional information for the application prior to proceeding with approval.

This report provides the results from the semi-annual sampling events conducted in March and September 2020 at Cells 1 & 2, Cells 3 & 4, and Cells 9 & 10. These sampling events included the scheduled semi-annual sampling for EPD's Solid Waste Permit constituents and the USEPA's CCR Appendix III constituents. This report satisfies the reporting requirements of applicable Georgia EPD Solid Waste Management Rules (391-3-4-.14) and Federal and Georgia CCR Rule 40 CFR 257.90 (e) and 391-3-4-.10. In this report, for ease of reference when discussing the CCR Rules, the USEPA CCR Rules are cited.

1.1 Site Description and Background

Georgia Power's Plant Bowen solid waste disposal facility is located in Bartow County off State Highway 113, approximately 7 miles west-southwest of Cartersville and 20 miles southeast of Rome (**Figure 1: Site Location Map**). The disposal facility is approximately 300 acres located on a previously undeveloped, contiguous portion of the plant property. The Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 are located on the northeast portion of the Plant Bowen property. The disposal facility receives coal combustion by-products, coal ash and gypsum, from coal power generating processes at the Site. The landfill cells are lined in accordance with Solid Waste Permit No. 008-018D (LI). Cells 3 & 4 have a leachate collection system. Gypsum placement in disposal Cells 1 & 2 began in November 2008, whereas ash placement in disposal Cells 3 & 4 began in February 2015. Waste placement operations were initiated in Cells 9 & 10 in November 2015. Cells 9 & 10 are only used to store non-marketable gypsum. Cells 5, 6, 7, and 8 are undeveloped at this time and will be used as future cells.

A well network around each of the active disposal cells monitors the groundwater conditions at the Site. The monitoring well locations are shown in **Figure 2: Monitoring Well Network**. A subset of the monitoring wells is equipped with data loggers and telemetry systems for water level measurements and data transmission for real-time monitoring of groundwater levels in the subsurface karst geology.

Background sampling for CCR parameters began in February 2016 and was completed in August 2017. The CCR background study results and statistical analysis were presented in the 2017 Annual Groundwater Monitoring and Corrective Action Report required under the CCR Rules. This report presents the data for two semi-annual sampling events for CCR and Solid Waste Permit constituents conducted in 2020. The Site status remains in detection monitoring.

1.2 Regional Geology and Hydrogeologic Setting

The geology and hydrogeology of the Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 area are summarized below. The Site lies within the Valley and Ridge physiographic province about three to four miles north of the Cartersville Fault. The Cartersville Fault separates the late Precambrian-aged metamorphic rocks to the east and south from the Cambrian-aged sedimentary rocks to the north-northwest and west.

The lithologies present in the landfill area of the Site from the ground surface to depth are terrace deposits, a residuum clay overburden, dolomite, and limestone bedrock. The Knox Group (dolomite and limestone bedrock) produces a characteristic orange to red clayey residuum (overburden) that ranges in thickness from 19 to 127 feet across the Site and often contains weathered chert and dolomite fragments. Silt and clay with some gravel and sand (terrace deposits) overlay the clayey residuum in some areas but are not continuous across the landfill area.

Two main hydrostratigraphic layers (water-bearing zones) are present at the Site: overburden (residuum clay), and bedrock (dolomite and limestone) – both units comprise the uppermost aquifer for groundwater monitoring purposes. Overburden materials are very heterogeneous ranging in composition from well-graded gravelly sand to fat clay. Bedrock underlying the Site (officially mapped as Knox undifferentiated) is a carbonate bedrock. Karst features within the underlying carbonate bedrock are predominately formed along initial discontinuities including joints, fissures (slots), fractures, and bedding planes or other linear features. These karst features may be partially or completely filled with soft unconsolidated sediments or may be empty or filled with water.

The water table commonly occurs in the lower overburden, but at some locations the water table is near the overburden-bedrock interface or in the upper fractured bedrock. Based on this data, it is likely that the overburden and upper fractured bedrock are essentially a single inter-connected water-bearing zone below the unsaturated overburden. Therefore, the overburden and the upper fractured sedimentary bedrock together comprise the uppermost aquifer beneath the landfill area.

The groundwater flow in the Landfill Cells 1 & 2, 3 & 4, 9 & 10 area is to the north-northeast and west-northwest. However, there are variations in groundwater flow direction due to heterogeneous and anisotropic conditions at the Site.

1.3 Groundwater Monitoring Network

There are three developed disposal units comprising the CCR Landfill: Cells 1 & 2, Cells 3 & 4, and Cells 9 & 10. The groundwater monitoring network is described below.

A groundwater monitoring system was installed within the uppermost aquifer at the Site. The monitoring system is designed to monitor groundwater passing the waste boundary of the CCR units within the uppermost aquifer. Wells were located to serve as upgradient and downgradient monitoring points based on groundwater flow direction. **Table 1: Monitoring Well Network Summary** provides the pertinent construction details for the well network at the Site.

The current monitoring well network at disposal Cells 1 & 2 consists of 29 wells (9 upgradient and 20 downgradient wells) at 17 locations, as a result of some wells located in a cluster representing the overburden and the bedrock. Sixteen wells are screened in the overburden and 13 wells in the upper bedrock. Additionally, five wells are monitored for water levels only.

The current monitoring well network at disposal Cells 3 & 4 consists of 23 monitoring wells at 19 locations. Nine wells are screened in the overburden and 14 wells in the upper bedrock. This well network currently consists of 12 upgradient wells and 11 downgradient wells.

The current monitoring network at disposal Cells 9 & 10 consists of 17 monitoring wells at 11 locations. Ten wells are screened in the overburden and seven wells in the upper bedrock. This well network currently consists of 8 upgradient wells and 9 downgradient wells.

The monitoring wells were sampled for the 16 Solid Waste Permit metals and 5 field parameters, as specified in the D&O Plan for the Site. The wells were also sampled for the 7 CCR Appendix III parameters. In accordance with § 391-3-4 for the Solid Waste Permit metals and § 257.94(e) for the Appendix III parameters, data from all wells were compared to the appropriate standards in accordance with regulatory requirements for drinking water.

2.0 GROUNDWATER MONITORING ACTIVITIES

The following describes monitoring-related activities performed during the March and September 2020 semi-annual events and discusses the status of the monitoring program. In March and September 2020, samples were collected from each well in the certified monitoring system shown on **Figure 2**. During the September 2020 event, well GWA-3 was not sampled due to elevated pH. **Table 2: Groundwater Sampling Event Summary**, presents a summary of the 2020 groundwater sampling events completed at Plant Bowen’s Landfill Cells 1 & 2, 3 & 4, and 9 & 10.

2.1 Monitoring Well Installation and Maintenance

There was no change to the groundwater monitoring system during the 2020 semi-annual events; the network remained the same as in the previous reporting year. Monitoring well-related activities were limited to the following: visual inspection of well conditions prior to sampling, recording the well area conditions, and performing exterior maintenance to conduct sampling under safe and clean conditions. The well inspection forms are included in **Appendix A: Laboratory Analytical Data and Field Sampling Reports for 2020**. The inspections indicated some of the well pads needed repairs for cracks or erosion starting to form beneath the pads. The September 2020 inspections indicated a few missing well caps and ant hills needed to be removed from the tops of well pads. Repairs to address most of the March 2020 inspection findings were conducted in July and other repairs were completed before the September event. Repairs of the September inspection findings will be addressed before the next semi-annual report.

Well GWA-3 had a pH value of 11 standard units (s.u.) during the September 2020 sampling event. The well was re-developed, and the pH remained elevated. An evaluation of the past and current field parameters and chemical data indicated the pH change likely occurred after the March 2020 sampling event. Hydrogeological monitoring data through July 2020 did not indicate a change in the subsurface at the well. On November 12-13, 2020, the well was inspected with a downhole camera. Visual data indicated the well casing at approximately 68 feet below top of casing, and within the grout seal interval, had a vertical crack and several casing joints above this depth where the casing was threaded together appeared to be compromised. Based on this data, it appears the groundwater inside the well casing is in contact with the well’s grout seal causing the elevation of the pH. A replacement monitoring well for GWA-3 will be installed during the first quarter 2021.

2.2 Detection Monitoring Program

In accordance with § 257.94(b), the detection groundwater monitoring program continued during the 2020 semi-annual events. Groundwater samples were collected semi-annually from each monitoring well in the monitoring network and analyzed for Appendix III constituents (boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids) according to § 257.94(a). Data reports for the 2020 detection monitoring events are included in **Appendix A: Laboratory**

Analytical Data and Field Sampling Reports for 2020. Statistical exceedances were identified during the 2020 monitoring events and were addressed with alternate source demonstrations or re-sampling.

2.3 Other Groundwater Sampling

In addition to sampling and analyzing the Appendix III parameters, the 16 Solid Waste Permit metals listed below were also sampled and analyzed concurrent with the 2020 semi-annual CCR detection monitoring events as required by the Georgia Solid Waste Permit (No. 008-018D (LI)).

Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium
Cobalt	Copper	Lead	Mercury	Nickel	Selenium
Silver	Thallium	Vanadium	Zinc		

The laboratory reports for these monitoring events are provided in **Appendix A**.

3.0 SAMPLE METHODOLOGY & ANALYSES

The following sections describe the methods used to conduct groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 during the 2020 semi-annual events.

3.1 Groundwater Elevation Measurements and Flow Direction

Prior to each sampling event, groundwater levels were measured and recorded to the nearest 0.01 foot within a 24-hour period from each well in the certified networks for Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. Groundwater levels recorded during the 2020 monitoring events are summarized in **Table 3: Summary of Groundwater Elevations**. Groundwater elevations vary between landfill cells due to topographic variations and anisotropic conditions in the overburden-bedrock aquifer. Also, groundwater elevations are mostly similar between the overburden and the upper bedrock at most onsite locations indicating a hydraulic communication between the overburden and upper bedrock. The potentiometric surface in 2020 was comparable to historical trends observed at the Site.

Groundwater levels measured on February 28 and September 1, 2020 were used to develop potentiometric surface elevation contour maps provided as **Figure 3: Potentiometric Surface – Overburden Wells Event 14 (February 2020)**, **Figure 4: Potentiometric Surface – Overburden Wells Event 15 (September 2020)**, **Figure 5: Potentiometric Surface – Bedrock Wells Event 14 (February 2020)**, and **Figure 6: Potentiometric Surface – Bedrock Wells Event 15 (September 2020)**. The groundwater flow patterns observed during the February and September 2020 water level measurement events were consistent with historic observations. The general direction of groundwater flow in the overburden of Landfill Cells 1 & 2 and 9 & 10 area is to the north-northeast (**Figures 3 and 4**). Groundwater flow in the overburden in the Landfill Cells 3 & 4 was to the west-northwest. The general groundwater flow direction in the bedrock is similar to the overburden, with groundwater flow in the bedrock of Landfill Cells 1 & 2 and 9 & 10 area is to the north-northeast (**Figures 5 and 6**). Groundwater flow in the bedrock in the Landfill Cells 3 & 4 area is to the west-northwest.

3.2 Groundwater Gradient and Flow Velocity

Groundwater flow velocities were calculated for the Site based on hydraulic gradients, hydraulic conductivity from previous slug test results, and an estimated effective porosity of 0.01 (based on default soil type value for silty clays to clays in USEPA 530/SW-89-031) of the screened horizon. The average hydraulic conductivity (measured in centimeters/second or cm/sec) values used in the soil aquifer calculations (2.54×10^{-5} cm/sec = 0.072 ft/day) and the bedrock aquifer calculations (1.26×10^{-4} cm/sec = 0.36 ft/day) are presented in the *Plant Bowen Proposed Coal Combustion By-Product Storage Facility Site Acceptability Report* (Southern Company Services, 2002). Measured hydraulic conductivity data in the uppermost aquifer at the Site are lower than many karst aquifers, but comparable to fractured carbonate aquifers in the Valley & Ridge region. The hydraulic gradients were calculated between well pairs. Horizontal groundwater flow velocities at Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 were calculated using the commonly used derivative of Darcy's Law:

Where:

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

$$K = \text{Average Hydraulic Conductivity of the aquifer} \left(\frac{\text{feet}}{\text{day}} \right)$$

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

$$n_e = \text{Effective porosity}$$

Using this equation, groundwater flow velocities are calculated for various areas of the Site for both overburden and bedrock and are tabulated on **Table 4: Groundwater Flow Velocity Calculations**.

Estimated linear groundwater flow velocities presented in **Table 4** are similar to historical data from the Site. Estimated linear groundwater flow velocities for February and September 2020 water level measurement events range from approximately 0.02 to 0.09 feet per day in the overburden aquifer and from approximately 0.04 to 0.59 feet per day in the bedrock aquifer (**Table 4**). Lower groundwater velocities noted in the overburden material are due to the abundance of residual clays in this zone. Higher velocities noted in the upper fractured bedrock are attributed to preferential groundwater flow in the fractured bedrock. Groundwater flow in the Knox Dolomite Formation, underlying the Site, occurs in joints, fractures, bedding planes, and solution channels (Croft, 1963). These pathways can facilitate relatively higher groundwater flows in the upper fractured bedrock. However, the flow rates noted in the wells screened in the upper fractured bedrock (**Table 4**) also suggest an abundance of residual clays in the epikarst zone at the Site.

3.3 Continuous Water Level Monitoring (Hydrogeologic Monitoring)

Georgia Power continuously monitors groundwater level fluctuations in accordance with the *Plant Bowen Site Acceptability Report - Hydrogeological Assessment and Demonstration of Engineering Measures* (Southern Company Services, 2004). The hydrogeologic monitoring network provides site-wide water-level data which is evaluated for changes in subsurface hydrologic conditions. The hydrogeologic data is evaluated weekly and reported semi-annually by Wood. The telemetry equipment maintenance is performed by Wood.

3.3.1 Hydrogeologic Monitoring Network

Hydrogeologic monitoring locations shown on **Figure 2** for Cells 1 & 2, 3 & 4, and 9 & 10 were selected following analysis of the interim data and review of historical groundwater elevations and potentiometric surface maps. Across the landfill cells, there are a total of 37 wells in February and 36 wells in September currently equipped with transducers for monitoring water levels. In August 2020, the transducer in well GWA-3 was removed after it ceased working. The USGS river gauge (#02394670) at Cartersville, Georgia is used to monitor the surface water elevations in the Etowah River. Rainfall data is also obtained from the USGS station #02394670 on the Etowah River at Georgia Route 61 and from an on-site rain gauge.

For the hydrogeologic monitoring network, Georgia Power utilized In-Situ® Instruments, Inc.'s Win-Situ® reporting software, and Level Troll 500® pressure transducers. Each pressure transducer was

deployed in a selected monitoring well at a fixed depth and linked to its own telemetry box with a vented transducer cable. Groundwater levels are recorded multiple times daily from each well transducer and is programmed to record any fluctuation in water level of ± 0.5 feet occurring within the 4-hour recording schedule. The telemetry system relays water level data via satellite to a central data storage unit that can be accessed in real-time over the internet; whereby, the data can be checked for unusual groundwater level fluctuations. Groundwater elevations, along with the river stage elevations and rainfall data recorded between May 1, 2020 and December 5, 2020 are provided in this monitoring report for the three disposal cell units as **Appendix C: Memorandum on Hydrogeologic Monitoring Program**. Remote monitoring continued without transducer maintenance March through July 2020 due to COVID-19 pandemic precautions. Site visits for transducer maintenance resumed in August 2020.

3.3.2 Hydrogeologic Monitoring Results

The hydrogeologic monitoring network pressure transducers are operational and collecting continuous groundwater elevation data, with the exceptions described in **Appendix C**. Tables in the hydrogeologic monitoring memo (**Appendix C**) list identified data anomalies and the causes during the monitoring period. The majority of the anomalies noted in daily groundwater elevations are directly attributed to drawdown during a sampling event, manual water level gauging, well and transducer maintenance, including corrections for transducer measurement drift by updating elevations based on taped-down measurements, and mechanical/electrical problems with transducers or telemetry units, changes in river stage, or significant rain events. Hydrologic monitoring data from May 1 to December 5, 2020 did not show water level fluctuations attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation.

3.4 Groundwater Sampling

Groundwater samples were collected from monitoring wells using low-flow sampling procedures. Monitoring wells were purged and sampled using a dedicated QED bladder pump or a peristaltic pump using new disposable polyethylene tubing. A SmarTroll (In-Situ field instrument) was used to monitor and record field water quality parameters (pH, conductivity, temperature, oxidation-reduction potential (ORP), and dissolved oxygen) during well purging to verify stabilization prior to sampling. Turbidity was measured using a Hach 2100Q (or similar) portable turbidity meter. Sampling equipment and pump intakes were placed at the midpoint of the well screen. Groundwater samples were collected when the following stabilization criteria were met:

- pH ± 0.1 Standard Units (S.U.)
- Specific conductance $\pm 5\%$
- 0.2 Mg/L or 10% for DO > 0.5 mg/l (whichever is greater)
- Turbidity measurements less than 10 NTU

Once stabilization was achieved, samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers, and submitted to Pace Analytical, Inc. in Peachtree Corners (Atlanta), Georgia following chain-of-custody protocol.

An ephemeral spring at the Site is checked for water during each groundwater sampling event. Water was present in the spring during the March 2020 event and was sampled. Water was not present in the spring during the September 2020 event. The analytical results of the spring sample are on the analytical summary tables and the laboratory report is in **Appendix A**.

3.5 Laboratory Analyses

Cells 1 & 2, 3 & 4 and 9 & 10 monitoring wells were sampled and analyzed for applicable state and federal monitoring parameters. Analytical methods used for groundwater sample analysis are listed on the analytical laboratory reports included in **Appendix A**.

Laboratory analyses were performed by Pace Analytical Services, LLC (Pace), of Peachtree Corners (Atlanta), Georgia. The Pace Laboratory is accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all parameters analyzed. In addition, Pace Laboratories are certified to perform analysis by the State of Georgia. Groundwater data laboratory reports and chain of custody records for the monitoring event are presented in **Appendix A**.

3.6 Groundwater Analytical Results

3.6.1 CCR Constituents

Tables 5, 6, and 7: Analytical Data Summary Appendix III (2020) Landfill Cells 1 & 2, 3 & 4, and 9 & 10 summarize the analytical data for the seven Appendix III parameters for the March and September 2020 sampling events. The Appendix III parameter concentrations were less than the Georgia and/or Federal drinking water maximum contaminant levels (MCLs). The complete laboratory and field data sheets are included in **Appendix A**. Time Series data for the Appendix III parameters are provided in **Appendix B: Historical Groundwater Monitoring Results and Statistical Results**.

3.6.2 Solid Waste Permit Metals

Tables 8, 9, and 10: Analytical Data Summary Solid Waste Permit Metals (2020) Landfill Cells 1 & 2, 3 & 4, and 9 & 10, respectively, summarize the analytical data for 16 Solid Waste Permit metals for the 2020 sampling events. Five metals (copper, nickel, silver, vanadium, and zinc) are currently being analyzed per requirements of the Georgia Solid Waste Regulations that are not required under the CCR regulations. Of these, zinc is the only constituent consistently detected above the laboratory reporting limit (RL). In 2020, zinc concentrations ranged from 0.012 to 0.54 mg/L. The complete laboratory and field sampling reports are included in **Appendix A**. Time Series data for the Solid Waste Permit metals are provided in **Appendix B**.

In accordance with the Georgia Solid Waste Regulations, the metals data from active monitoring wells at the disposal facility were compared to Georgia drinking water MCLs. With the exception of antimony concentrations in two wells (GWA-1 and GWC-16R). The September 2020 antimony concentration of 0.0076 mg/L in downgradient well GWC-45 was above the antimony MCL; however, a December 15, 2020 resampling result (0.0014 J) shows the concentration was below the MCL. The

other target constituents were below the MCLs as specified by USEPA and Georgia EPD. The reported antimony concentrations of 0.0061 mg/L in upgradient well GWA-1, 0.019 mg/L and 0.015 mg/L in downgradient well GWC-16R were above the Georgia MCL of 0.006 mg/L. The Alternate Source Demonstration reports submitted August 2017 and April 2018 indicate that the antimony naturally occurs in groundwater at the Site and the antimony detection in GWC-16R is the result of natural variability in groundwater quality. Well GWA-1 is upgradient of Cells 1 & 2 and the antimony concentration slightly above the MCL is not an indication of a release from the unit. Therefore, no further action is necessary for the antimony SSI noted in wells GWA-1 and GWC-16R.

3.7 Quality Assurance & Quality Control

Quality assurance and quality control of the groundwater data was assessed by performing a data quality evaluation of the results reported. A data quality evaluation was conducted on the March and September 2020 data using laboratory precision and accuracy, analytical method requirements and requirements in the field sampling plan. The March and September 2020 constituent concentrations were generally within the historical range of concentrations. Those few concentrations higher than the historical range were identified as statistical exceedances. The data quality evaluations are included in **Appendix A**.

The analytical results provided in **Tables 5 to 10** provide concentrations from the most recent sampling events as reported by the laboratory. When values are followed by a "J" flag, this indicates that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit (RL). The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.

4.0 STATISTICAL ANALYSIS

The Site is currently performing detection monitoring. Statistical analysis of the Solid Waste Permit metals and Appendix III groundwater monitoring data was performed on samples collected from the certified groundwater monitoring network pursuant to § 257.93(f) and following the PE-certified statistical analysis plans. The statistical analysis plans used at the Site for the Appendix III parameters were developed in 2017 by MacStat Consulting, Ltd. in accordance with § 257.93(f) using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, EPA 530/R-09-007 (USEPA, 2009). To develop the statistical method, analytical data collected during the background period were evaluated and used to develop statistical limits for each Appendix III parameter. Subsequent detection monitoring results were compared to the statistical limits to determine if concentrations were statistically different from background.

In July 2019, Georgia EPD requested the historic data for the 16 Solid Waste Permit metals be screened to evaluate if interwell or intrawell statistical methods were appropriate. Groundwater Stats Consulting's August 2019 evaluation of the data indicated intrawell prediction limits were appropriate for the Solid Waste Permit metals and a Trend Test was recommended to evaluate the naturally-occurring barium concentrations in well GWC-13RZ. In August 2019, Georgia Power submitted a minor permit modification to EPD changing the statistical method for the Solid Waste Permit metals from interwell to intrawell. Groundwater Stats Consulting conducted the statistical analyses of the March and September 2020 groundwater data. The statistical analyses are provided in **Appendix B: Historical Groundwater Monitoring Results and Statistical Results**.

4.1 Statistical Method

Sanitas is a commercially available decision support software package, developed in 1991, that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the USEPA Unified Guidance (2009) document. The Sanitas groundwater statistical software was used to perform the statistical analyses of groundwater quality data obtained in March 2020.

The intrawell method was used to analyze the 16 Solid Waste Permit metals data at the Site during the March and September 2020 events. The Appendix III parameters were analyzed using both interwell and intrawell prediction limits as described in the statistical analysis plans prepared for the CCR monitoring program and are summarized below.

Statistical analysis of the September 2020 monitoring event included a two-step analysis using similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), chapter 7, Section 7.5).

Landfill Cells 1 & 2

Interwell method: boron, fluoride, chloride, and pH

Intrawell method: calcium, sulfate, and TDS, and 16 Solid Waste Permit metals

Landfill Cells 3 & 4

Interwell method: boron, fluoride, and calcium

Intrawell method: chloride, pH, sulfate, and TDS, and 16 Solid Waste Permit metals

Landfill Cells 9 & 10

Interwell method: boron, fluoride, and pH

Intrawell method: calcium, chloride, sulfate, and TDS, and 16 Solid Waste Permit metals

When using the interwell method, upgradient well data are pooled to establish a background statistical limit. Data from the March and September 2020 monitoring events were compared to the background statistical limit to evaluate whether concentrations exceed background statistical limits. The selected statistical method uses a 1-of-2 verification resample plan. When an initial statistically significant increase (SSI) or questionable result occurs, a second sample may be collected to verify the initial result or determine if the result was an outlier.

Groundwater quality data with significant natural spatial variation and no pre-existing exceedances of background statistical limits were evaluated using intrawell prediction limits. Using this method, historical data from within a given well is used to establish statistical limits for future comparisons at the same well. Background data from the parameter at the well (e.g. pH at GWA-36) was used to establish a background statistical limit for that parameter at that well; therefore, each parameter will have a different statistical limit at each well. Data from the March and September 2020 monitoring events were compared to the statistical limits to determine whether concentrations exceed background statistical limits. The intrawell statistical method uses a 1-of-3 or 1-of-2 verification resample plan. When an SSI or questionable result occurs, up to 2 additional samples using the 1-of-3 verification resample plan may be collected to verify the initial result or determine if the result was an outlier. A statistical exceedance in an upgradient well is not an SSI because the well is not located in a groundwater flow path as demonstrated by groundwater flow direction based on measured water level elevations.

Intrawell statistical methods are a conservative first step that may be overly sensitive to natural variation, particularly for nonparametric limits with small background sample sizes. Therefore, for instances where an apparent SSI is identified by intrawell statistical methods, interwell statistical methods may be used as a reasonable second step to determine if the initial exceedance is below sitewide background. If the concentrations exceeded both the intrawell and interwell prediction limits, the concentration was identified as a statistical exceedance. If the statistical exceedance is not confirmed, then detection monitoring should continue in these instances.

If data from a sampling event initially exceed the prediction limit (PL), the resampling strategy may be used to verify the result. If the resamples exceed the PL, the initial exceedance is verified and a statistically significant increase (SSI) is identified. When a resample result does not verify the initial result, and does not exceed the PL, there is no SSI. If resampling is not performed, the initial exceedance is a confirmed exceedance. If the initial finding is not verified by resampling, the resampled value will replace the initial finding. When the resample confirms the initial finding, the exceedance will be reported.

As described in **Appendix B** and in accordance with *Unified Guidance Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities*. (USEPA, 2009), the data are analyzed using either parametric or non-parametric prediction limits based on the amount of data available, the distribution of the data, and the number of non-detects.

Some analytes may have a statistically-significant seasonal trend, based on testing with the non-parametric, seasonal Kruskal-Wallis test. If a statistically significant seasonal trend is found, then the data may be deseasonalized prior to statistical testing. The Sanitas software did not deseasonalize the March or September 2020 data.

Time series plots (**Appendix B**) display concentrations over time for wells and analytes and may be used to identify suspected increasing or decreasing trends. While trends may be visual, a quantification of the trend and its significance is needed. Background data are tested using the Sen's Slope/Mann Kendall or linear regression trend test to confirm suspected increasing or decreasing trends. The distribution of the data determines which trend test is used. In the absence of suspected contamination, trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, earlier data will be evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected, as necessary. When the historical records of data are truncated for the reasons above, a summary report will be included in **Appendix B: Historical Groundwater Monitoring Results and Statistical Results** showing the date ranges used in construction of the statistical limits. Summary tables of the statistical analyses accompany the prediction limits in **Appendix B**.

The following table provides a summary of the statistical methodology used at Cells 1 & 2, 3 & 4, and 9 & 10 for the March and September 2020 events.

Table 11: Statistical Method Summary

Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Interwell statistical limits will be applied on a parameter basis, depending on the appropriateness of the method as determined by the Analysis of Variance. Intrawell statistical limits will be applied on a parameter basis, depending on the appropriateness of the method.
	Prediction Limits	When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.

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

4.2 Statistical Analyses Results

Based on the statistical results presented in **Appendix B**, the following summarizes verified statistical exceedances identified for Appendix III CCR constituents during the March and September 2020 events. The September 2020 TDS concentration of 501 mg/L in downgradient well GWC-23R was a statistical exceedance; however, a December 15, 2020 resampling result (351 mg/L) shows the exceedance was not verified.

Table 12
Statistical Analysis Summary – CCR Constituents
March 2020

Appendix III Parameters	Wells with Concentrations Above Prediction Limits
Cells 1 & 2	
Calcium	GWC-5, GWC-6
Chloride	GWC-10R, GWC-13, GWC-13RZ, GWC-14Z
pH	GWC-8RR, GWC-9
Sulfate	GWC-14Z
Cells 3 & 4	
Calcium	GWC-16R, GWC-17R, GWC-21R, GWC-23R
Sulfate	GWC-21R
Cells 9 & 10	
Calcium	GWC-45R
Chloride	GWC-45R
pH	GWC-44, GWC-45, GWC-48, GWC-49R
Sulfate	GWC-45R
TDS	GWC-45, GWC-45R, GWC-48

TDS – Total Dissolved Solids

Table 13
Statistical Analysis Summary – CCR Constituents
September 2020

Appendix III Parameters	Wells with Concentrations Above Prediction Limits
Cells 1 & 2	
Chloride	GWC-13RZ
pH	GWC-8RR, GWC-11R
Cells 3 & 4	
Calcium	GWC-16R, GWC-17R, GWC-21R, GWC-23R
Cells 9 & 10	
pH	GWC-44, GWC-45, GWC-48, GWC-49R, GWC-49Z

Based on the statistical results presented in **Appendix B**, the following summarizes statistical exceedances identified for the Solid Waste Permit metals during the March and September 2020 monitoring events. The September 2020 antimony concentration of 0.0076 mg/L in downgradient well GWC-45 was a statistical exceedance; however, a December 15, 2020 resampling result (0.0014 J mg/L) shows the exceedance was not verified.

Table 14
Statistical Analysis Summary – Solid Waste Permit Metals
March 2020

Solid Waste Permit Metals	Wells with Concentrations Above Prediction Limits
Cells 1 & 2	
Barium	GWC-13RZ statistically significant increasing trend
Cells 3 & 4	
Antimony	GWC-16R
Cells 9 & 10	
Barium	GWC-49R
Zinc	GWC-47, GWC-47R

Table 15
Statistical Analysis Summary – Solid Waste Permit Metals
September 2020

Solid Waste Permit Metals	Wells with Concentrations Above Prediction Limits
Cells 1 & 2	
Barium	GWC-13RZ statistically significant increasing trend
Cells 3 & 4	
	No SSI identified for Solid Waste Permit Metals
Cells 9 & 10	
Zinc	GWC-47R

4.2.1 Exceedances Addressed by Alternate Source Demonstrations

As presented in the Statistical Analysis Results Section above, several of the constituents analyzed in March and September 2020 had concentrations above the calculated PLs. Most of these constituent concentrations above the PLs were addressed previously in the August 2017 and April 2018 ASDs (Amec and Wood, respectively). In a letter dated January 30, 2019, EPD approved the April 2018 ASD for antimony, barium, zinc, pH, calcium, chloride, sulfate, and TDS. The March 2020 exceedances (calcium, chloride, pH, sulfate, TDS, barium, and zinc) not addressed by the prior ASDs were addressed in the Alternate Source Demonstration for March 2020 Semi-Annual Event (August 2020) as shown in **Appendix D: Alternate Source Demonstrations**. Georgia EPD approval of the August 2020 ASD is pending. Several exceedances from September 2020 were also addressed by the August 2017, April 2018, and August 2020 ASDs.

Two exceedances in September 2020 were not addressed by a prior ASD and were re-sampled: GWC-23R for TDS and GWC-45 for antimony. The two exceedances were not verified by the re-sampling results. The table below summarizes the 2020 exceedances and the ASD that addresses the exceedance.

Summary of March and September 2020 Statistical Exceedances Addressed by an ASD

Exceedance in Well	Constituent that Exceeded	Alternate Source Demonstration
GWC-5, GWC-6 GWC-45R	Calcium	Alternate Source Demonstration for March 2020 Semi-Annual Event – August 31, 2020 (Appendix D)
GWC-16R, GWC-17R, GWC-21R, GWC-23R	Calcium	April 19, 2018 ASD
GWC-13, GWC-13RZ	Chloride	April 19, 2018 ASD
GWC-10R, GWC-14Z, GWC-45R	Chloride	Alternate Source Demonstration for March 2020 Semi-Annual Event – August 31, 2020 (Appendix D)
GWC-8RR, GWC-11R, GWC-44, GWC-45, GWC-48, GWC-49Z	pH	April 19, 2018 ASD
GWC-9, GWC-49R	pH	Alternate Source Demonstration for March 2020 Semi-Annual Event – August 31, 2020 (Appendix D)
GWC-14Z, GWC-21R, GWC-45R	Sulfate	Alternate Source Demonstration for March 2020 Semi-Annual Event – August 31, 2020 (Appendix D)
GWC-45, GWC-45R, GWC-48	TDS	Alternate Source Demonstration for March 2020 Semi-Annual Event – August 31, 2020 (Appendix D)
GWC-16R	Antimony	August 30, 2017 and April 19, 2018 ASDs
GWC-13RZ	Barium	April 19, 2018 ASD
GWC-49R	Barium	Alternate Source Demonstration for March 2020 Semi-Annual Event – August 31, 2020 (Appendix D)
GWC-47	Zinc	April 19, 2018 ASD
GWC-47R	Zinc	Alternate Source Demonstration for March 2020 Semi-Annual Event – August 31, 2020 (Appendix D)

These concentrations above the PL are not thought to be the result of a release from the Landfill Cells 1 & 2, 3 & 4, and 9 & 10 and are likely attributed to natural variability of groundwater chemistry underlying the Site that is not properly accommodated by the existing statistical methods due to geochemical differences between upgradient and downgradient wells, as described in the earlier ASD documents. The supporting evidence for natural variability as presented in the earlier ASD documents are summarized as follows.

- 1) The presence of naturally-occurring sulfide minerals containing these metals at the Site,
- 2) A lack of statistically significant increasing concentration trends of these metals and inorganic parameters over time, and
- 3) The lack of co-occurrence or correlation of metals with indicator parameters, and

4) The non-detectable or low concentrations of other indicator parameters, including boron and fluoride, strongly support the natural occurrence of target parameters showing a SSI.

5) The Landfill Cells 1 & 2, 3 & 4, and 9 & 10 are lined, and Cells 3 & 4 have a leachate collection system in accordance with Solid Waste Permit No. 008-018D (LI).

Pursuant to § 257.94(e) and § 391-3-4.14.23(c), Georgia Power will continue detection monitoring at Landfill Cells 1 & 2, 3 & 4, and 9 & 10.

5.0 MONITORING PROGRAM STATUS

The Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 are in detection monitoring. In 2020, statistical exceedances of Appendix III and three State Solid Waste Permit constituents were verified. Those statistical exceedances are addressed in ASDs that showed the target constituent concentrations were not an indication of a release from the lined landfill cells but were due to naturally-occurring sources in the geological formation and natural variability of groundwater chemistry. Groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 will continue in detection monitoring phase.

6.0 CONCLUSIONS & FUTURE ACTIONS

In accordance with § 391-3-4 for the 16 Solid Waste Permit metals and § 257.94(e) for the Appendix III parameters, data from the Site wells were compared to the appropriate standards in accordance with regulatory requirements for drinking water. Intrawell statistical methods are a conservative first step that may be overly sensitive to natural variation, particularly for nonparametric limits with small background sample sizes. Therefore, for instances where an apparent SSI is identified by intrawell statistical methods, interwell statistical methods may be used as a reasonable second step to determine if the initial exceedance is below sitewide background. If the concentrations exceeded both the intrawell and interwell prediction limits, the concentration was identified as an SSI.

Concentrations of the 16 Solid Waste Permit metals and Appendix III parameters were below the Georgia MCLs, with the exception of antimony in upgradient well GWA-1 at Cells 1 & 2 and downgradient well GWC-16R at Cells 3 & 4. Well GWA-1 is an upgradient well and is not a statistical exceedance. The August 2017 and April 2018 Alternate Source Demonstrations showed antimony concentrations in well GWC-16R vary naturally in groundwater at the Site. In a letter dated January 30, 2019, EPD approved the April 2018 ASD for antimony. The September antimony concentration in Cells 9 & 10 downgradient well GWC-45 was not verified by the December 2020 resampling result.

The majority of the Solid Waste Permit metals and the Appendix III parameters were within their respective statistically calculated PLs for the March and September 2020 sampling events. Most of the verified concentrations above PLs observed in March and September 2020 were recurrences of statistical exceedances previously addressed in ASD reports (April 2018 or August 2017) or the August 2020 ASD in **Appendix D**. Resampling of GWC-23R for TDS and GWC-45 for antimony did not verify the initial statistical exceedances. These statistical exceedances are not thought to be the result of a release from the Landfill Cells 1 & 2, 3 & 4, and 9 & 10 and are attributed to natural variability of groundwater chemistry underlying the Site.

Pursuant to § 257.94(e) and § 391-3-4.14.23(c), Georgia Power will continue detection monitoring at the Site. The next scheduled groundwater monitoring event is scheduled for March 2021.

7.0 REFERENCES

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TABLES

**TABLE 1
MONITORING WELL NETWORK SUMMARY**

Well Name	Installation Date	Northing (ft NAD83)	Easting (ft NAD83)	Ground Surface Elevation (ft, NAVD88)	Top of Casing Elevation (ft, NAVD88)	Top of Screen Elevation (ft, NAVD88)	Bottom of Screen Elevation (ft, NAVD88)	Screen Length (ft)	Total Well Depth on Construction Log (feet below land surface)	Lithology Screened	Hydraulic Location and Purpose
GWA-1	4/12/2007	1502840.52	2071724.11	739.4	742.20	601.7	591.7	10	148.0	Overburden/Bedrock	Cells 1 & 2 - Upgradient
GWA-2	4/4/2007	1502638.00	2071935.13	732.3	734.81	590.8	580.8	10	151.8	Overburden/Bedrock	Cells 1 & 2 - Upgradient
GWA-2R	8/3/2007	1502613.68	2071966.37	733.0	735.78	637.9	627.9	10	105.4	Bedrock	Cells 1 & 2 - Upgradient
GWA-3	4/11/2007	1502386.74	2072067.26	729.9	732.47	644.9	634.9	10	95.4	Overburden	Cells 1 & 2 - Upgradient
GWA-4	3/14/2007	1502239.16	2072318.41	741.0	743.47	681.5	671.5	10	69.8	Overburden	Cells 1 & 2 - Upgradient, Water level measurement only
GWA-4R	3/13/2007	1502244.98	2072317.65	741.4	743.84	658.4	648.4	10	93.4	Bedrock	Cells 1 & 2 - Upgradient Water level measurement only. Well replaced by a new well GWA-4RZ.
GWA-4RZ	10/28/2016	1502237.97	2072329.51	740.1	742.85	633.1	623.1	10	117.0	Bedrock	Cells 1 & 2 - Upgradient
GWA-50	6/4/2008	1502156.81	2072442.89	720.6	722.98	636.6	626.6	10	94.3	Overburden	Cells 1 & 2 - Upgradient
GWA-50R	6/10/2008	1502153.32	2072447.90	719.0	721.30	590.8	580.8	10	138.5	Bedrock	Cells 1 & 2 - Upgradient
GWC-5	4/18/2006	1502338.19	2072677.08	735.8	738.17	634.7	624.7	10	111.4	Overburden	Cells 1 & 2 - Downgradient
GWC-6	5/1/2007	1502517.79	2072964.10	726.7	729.02	629.1	619.1	10	107.9	Overburden	Cells 1 & 2 - Downgradient
GWC-6RZ	4/28/2015	1502502.98	2072900.19	729.3	732.10	634.3	624.3	10	105.3	Bedrock	Cells 1 & 2 - Downgradient
GWC-7Z	5/19/2016	1502639.99	2073192.07	710.1	713.12	606.4	596.4	10	113.7	Overburden	Cells 1 & 2 - Downgradient
GWC-8Z	4/28/2015	1502828.21	2073525.42	699.3	702.32	636.3	626.3	10	73.0	Overburden	Cells 1 & 2 - Downgradient
GWC-8RR	6/27/2011	1502857.62	2073501.63	700.4	702.09	602.0	592.0	10	107.0	Bedrock	Cells 1 & 2 - Downgradient
GWC-9	8/16/2006	1503017.30	2073782.56	692.8	695.50	632.6	622.7	10	70.5	Overburden	Cells 1 & 2 - Downgradient
GWC-10	9/6/2006	1503160.48	2074020.99	685.8	688.57	627.6	617.6	10	68.5	Overburden	Cells 1 & 2 - Downgradient
GWC-10R	5/15/2007	1503151.35	2074021.32	686.6	688.61	601.1	591.1	10	95.8	Bedrock	Cells 1 & 2 - Downgradient
GWC-11	6/1/2007	1503388.37	2073830.98	676.0	678.43	644.2	634.2	10	42.1	Overburden	Cells 1 & 2 - Downgradient
GWC-11R	5/31/2007	1503393.39	2073829.01	675.9	678.32	608.0	598.0	10	78.2	Bedrock	Cells 1 & 2 - Downgradient
GWC-12	6/4/2007	1503660.16	2073693.51	675.2	677.77	637.1	627.1	10	48.4	Overburden	Cells 1 & 2 - Downgradient
GWC-13	5/31/2007	1503896.00	2073496.30	684.9	687.13	614.4	604.4	10	80.7	Overburden	Cells 1 & 2 - Downgradient
GWC-13R	6/5/2007	1503906.40	2073503.07	683.9	686.53	594.9	584.9	10	99.3	Bedrock	Cells 1 & 2 - Downgradient Water level measurement only. Well replaced by a new well GWC-13RZ
GWC-13RZ	11/2/2016	1503927.54	2073517.10	681.8	684.61	589.8	579.8	10	102.0	Bedrock	Cells 1 & 2 - Downgradient
GWC-14	8/22/2007	1504081.44	2073214.90	683.6	686.30	615.8	605.8	10	78.0	Overburden	Cells 1 & 2 - Downgradient Water level measurement only. Well replaced by a new well GWC-14Z
GWC-14Z	11/3/2016	1504061.38	2073193.18	684.4	687.33	621.4	611.4	10	73.0	Overburden	Cells 1 & 2 - Downgradient
GWC-15	6/1/2007	1503941.08	2072928.57	693.3	695.51	636.3	626.3	10	67.3	Overburden	Cells 1 & 2 - Downgradient Water level measurement only. Well replaced by a new well GWC-15Z
GWC-15Z	10/31/2016	1503952.79	2072917.89	693.1	695.89	631.1	621.1	10	72.0	Overburden	Cells 1 & 2 - Downgradient
GWC-15R	5/24/2007	1503934.08	2072920.90	693.8	696.44	611.6	601.6	10	92.4	Bedrock	Cells 1 & 2 - Downgradient

**TABLE 1
MONITORING WELL NETWORK SUMMARY**

Well Name	Installation Date	Northing (ft NAD83)	Easting (ft NAD83)	Ground Surface Elevation (ft, NAVD88)	Top of Casing Elevation (ft, NAVD88)	Top of Screen Elevation (ft, NAVD88)	Bottom of Screen Elevation (ft, NAVD88)	Screen Length (ft)	Total Well Depth on Construction Log (feet below land surface)	Lithology Screened	Hydraulic Location and Purpose
GWA-36	6/15/2011	1505057.05	2073383.57	682.3	684.91	616.6	606.6	10	76.0	Overburden	Cells 3 & 4 - Upgradient
GWA-36R	6/15/2011	1505050.78	2073384.01	681.8	684.53	606.1	596.1	10	86.0	Bedrock	Cells 3 & 4 - Upgradient
GWA-37	9/11/2013	1505341.85	2073070.71	701.0	703.66	606.8	596.8	10	104.5	Overburden	Cells 3 & 4 - Upgradient
GWA-38	6/13/2011	1505501.65	2072833.09	713.8	716.43	659.1	649.1	10	65.0	Overburden	Cells 3 & 4 - Upgradient
GWA-51RZ	3/1/2016	1505310.38	2073781.45	706.3	708.98	625.5	615.5	10	91.0	Bedrock	Cells 3 & 4 - Upgradient
GWA-52	4/21/2015	1505460.21	2073875.23	707.1	710.12	636.5	626.5	10	80.9	Overburden	Cells 3 & 4 - Upgradient
GWA-53	4/10/2015	1505696.02	2074038.42	708.3	711.38	600.8	590.8	10	117.8	Overburden	Cells 3 & 4 - Upgradient
GWA-53R	4/10/2015	1505689.59	2074031.47	708.8	711.93	554.7	543.7	11	165.4	Bedrock	Cells 3 & 4 - Upgradient
GWA-54	4/14/2015	1505853.97	2074285.87	701.7	704.63	638.8	628.8	10	73.2	Overburden	Cells 3 & 4 - Upgradient
GWA-55	4/15/2015	1506035.38	2074506.56	694.2	697.01	642.1	632.1	10	62.4	Overburden	Cells 3 & 4 - Upgradient
GWA-55R	4/15/2015	1506041.83	2074517.12	694.0	696.84	601.5	591.5	10	102.8	Bedrock	Cells 3 & 4 - Upgradient
GWA-56	4/16/2015	1506128.94	2074632.63	689.5	692.45	616.9	606.9	10	82.9	Overburden	Cells 3 & 4 - Upgradient
GWC-16R	12/13/2011	1505877.37	2072608.08	728.1	730.69	646.0	636.0	10	95.0	Bedrock	Cells 3 & 4 - Downgradient
GWC-17R	12/8/2011	1506068.86	2072829.56	730.7	733.73	651.5	641.5	10	89.5	Bedrock	Cells 3 & 4 - Downgradient
GWC-18	6/6/2011	1506306.93	2072930.02	719.1	721.93	651.4	642.4	9	77.0	Overburden	Cells 3 & 4 - Downgradient
GWC-18R	6/2/2011	1506301.46	2072930.28	719.2	721.78	591.9	581.9	10	137.5	Bedrock	Cells 3 & 4 - Downgradient
GWC-19R	6/7/2011	1506395.14	2073158.91	724.0	726.58	590.3	580.3	10	144.0	Bedrock	Cells 3 & 4 - Downgradient
GWC-20R	6/9/2011	1506601.52	2073487.28	718.4	721.09	644.4	634.4	10	84.3	Bedrock	Cells 3 & 4 - Downgradient
GWC-21R	12/16/2011	1506694.91	2073784.63	720.9	723.46	641.7	631.7	10	89.5	Bedrock	Cells 3 & 4 - Downgradient
GWC-22R	6/14/2011	1506717.20	2074105.68	713.3	715.85	606.6	596.6	10	117.0	Bedrock	Cells 3 & 4 - Downgradient
GWC-23R	6/28/2011	1506700.85	2074447.26	688.9	691.41	652.2	642.2	10	47.0	Bedrock	Cells 3 & 4 - Downgradient
GWC-24R	6/21/2011	1506693.97	2074805.76	674.3	676.92	647.6	637.6	10	37.0	Bedrock	Cells 3 & 4 - Downgradient
GWC-25R	6/21/2011	1506495.03	2075088.24	674.2	676.75	587.5	577.5	10	97.0	Bedrock	Cells 3 & 4 - Downgradient

**TABLE 1
MONITORING WELL NETWORK SUMMARY**

Well Name	Installation Date	Northing (ft NAD83)	Easting (ft NAD83)	Ground Surface Elevation (ft, NAVD88)	Top of Casing Elevation (ft, NAVD88)	Top of Screen Elevation (ft, NAVD88)	Bottom of Screen Elevation (ft, NAVD88)	Screen Length (ft)	Total Well Depth on Construction Log (feet below land surface)	Lithology Screened	Hydraulic Location and Purpose
GWA-39Z	3/1/2016	1502655.51	2071120.35	732.1	735.10	629.2	619.2	10	115.0	Overburden	Cells 9 & 10 - Upgradient
GWA-39RZ	11/4/2016	1502618.22	2071163.59	729.8	732.58	602.8	592.8	10	137.0	Bedrock	Cells 9 & 10 - Upgradient
GWA-40	6/7/2011	1503195.11	2071300.70	728.6	731.73	586.5	576.5	10	153.0	Overburden	Cells 9 & 10 - Upgradient
GWA-41	6/6/2011	1503518.92	2071046.83	739.1	742.37	647.0	637.0	10	102.0	Overburden	Cells 9 & 10 - Upgradient
GWA-41R	6/1/2011	1503527.50	2071051.59	739.9	743.14	634.6	624.6	10	116.0	Bedrock	Cells 9 & 10 - Upgradient
GWA-42	6/1/2011	1503824.33	2071049.88	734.8	738.02	660.6	650.6	10	85.0	Overburden	Cells 9 & 10 - Upgradient
GWA-43	5/25/2011	1504128.26	2070982.13	707.7	710.97	635.5	625.5	10	93.0	Overburden	Cells 9 & 10 - Upgradient
GWA-43R	5/24/2011	1504117.91	2070972.79	707.9	711.21	601.7	591.7	10	127.0	Bedrock	Cells 9 & 10 - Upgradient
GWC-44	6/9/2011	1504436.07	2071414.77	709.9	712.95	634.7	624.7	10	86.0	Overburden	Cells 9 & 10 - Downgradient
GWC-45	5/17/2007	1504540.11	2071956.67	698.9	701.56	644.3	634.3	10	64.7	Overburden	Cells 9 & 10 - Downgradient
GWC-45R	5/22/2007	1504539.43	2071945.29	699.3	702.04	584.1	574.0	10	125.7	Bedrock	Cells 9 & 10 - Downgradient
GWC-46R	8/15/2014	1504523.07	2072184.48	687.9	690.51	642.3	632.3	10	56.5	Bedrock	Cells 9 & 10 - Downgradient
GWC-47	6 /2011	1504544.69	2072481.32	687.4	690.84	630.0	620.0	10	66.0	Overburden	Cells 9 & 10 - Downgradient
GWC-47R	4/24/2014	1504540.46	2072467.37	687.7	691.13	617.0	607.0	10	81.2	Bedrock	Cells 9 & 10 - Downgradient
GWC-48	6/8/2011	1504490.41	2072850.47	686.0	688.31	641.0	631.0	10	56.0	Overburden	Cells 9 & 10 - Downgradient
GWC-49Z	3/1/2016	1504238.74	2072896.12	706.2	709.12	627.2	617.2	10	90.0	Overburden	Cells 9 & 10 - Downgradient
GWC-49R	4/17/2014	1504246.61	2072916.91	706.0	709.50	585.7	575.7	10	131.1	Bedrock	Cells 9 & 10 - Downgradient

Notes:

1. ft NAD83 indicates feet referenced to the North American Datum of 1983.
2. NAVD88 indicates the North American Vertical Datum 1988.
3. TOC indicates top of casing.
4. The listed monitoring wells are measured for water levels and sampled for groundwater quality. Some wells are only measured for water levels as indicated under Purpose.

**TABLE 2
GROUNDWATER SAMPLING EVENT SUMMARY**

Well ID	Hydraulic Location	Summary of Sampling Events			Status of Monitoring Well
		March 2 - 17, 2020	September 3 - 22, 2020	December 15, 2020	
Purpose of Sampling Event		Detection	Detection	Verification	
LANDFILL CELLS 1 & 2 MONITORING WELL NETWORK					
GWA-1	Upgradient	D06	D07		Detection Monitoring
GWA-2	Upgradient	D06	D07		Detection Monitoring
GWA-2R	Upgradient	D06	D07		Detection Monitoring
GWA-3	Upgradient	D06	NS		Detection Monitoring
GWA-4RZ	Upgradient	D06	D07		Detection Monitoring
GWA-50	Upgradient	D06	D07		Detection Monitoring
GWA-50R	Upgradient	D06	D07		Detection Monitoring
GWC-5	Downgradient	D06	D07		Detection Monitoring
GWC-6	Downgradient	D06	D07		Detection Monitoring
GWC-6RZ	Downgradient	D06	D07		Detection Monitoring
GWC-7Z	Downgradient	D06	D07		Detection Monitoring
GWC-8Z	Downgradient	D06	D07		Detection Monitoring
GWC-8RR	Downgradient	D06	D07		Detection Monitoring
GWC-9	Downgradient	D06	D07		Detection Monitoring
GWC-10	Downgradient	D06	D07		Detection Monitoring
GWC-10R	Downgradient	D06	D07		Detection Monitoring
GWC-11	Downgradient	D06	D07		Detection Monitoring
GWC-11R	Downgradient	D06	D07		Detection Monitoring
GWC-12	Downgradient	D06	D07		Detection Monitoring
GWC-13	Downgradient	D06	D07		Detection Monitoring
GWC-13RZ	Downgradient	D06	D07		Detection Monitoring
GWC-14Z	Downgradient	D06	D07		Detection Monitoring
GWC-15Z	Downgradient	D06	D07		Detection Monitoring
GWC-15R	Downgradient	D06	D07		Detection Monitoring
LANDFILL CELLS 3 & 4 MONITORING WELL NETWORK					
GWA-36	Upgradient	D06	D07		Detection Monitoring
GWA-36R	Upgradient	D06	D07		Detection Monitoring
GWA-37	Upgradient	D06	D07		Detection Monitoring
GWA-38	Upgradient	D06	D07		Detection Monitoring
GWA-51RZ	Upgradient	D06	D07		Detection Monitoring
GWA-52	Upgradient	D06	D07		Detection Monitoring
GWA-53	Upgradient	D06	D07		Detection Monitoring
GWA-53R	Upgradient	D06	D07		Detection Monitoring
GWA-54	Upgradient	D06	D07		Detection Monitoring
GWA-55	Upgradient	D06	D07		Detection Monitoring
GWA-55R	Upgradient	D06	D07		Detection Monitoring
GWA-56	Upgradient	D06	D07		Detection Monitoring
GWC-16R	Downgradient	D06	D07		Detection Monitoring
GWC-17R	Downgradient	D06	D07		Detection Monitoring
GWC-18	Downgradient	D06	D07		Detection Monitoring
GWC-18R	Downgradient	D06	D07		Detection Monitoring
GWC-19R	Downgradient	D06	D07		Detection Monitoring
GWC-20R	Downgradient	D06	D07		Detection Monitoring
GWC-21R	Downgradient	D06	D07		Detection Monitoring
GWC-22R	Downgradient	D06	D07		Detection Monitoring
GWC-23R	Downgradient	D06	D07	TDS+sulfate	Detection Monitoring
GWC-24R	Downgradient	D06	D07		Detection Monitoring
GWC-25R	Downgradient	D06	D07		Detection Monitoring

**TABLE 2
GROUNDWATER SAMPLING EVENT SUMMARY**

Well ID	Hydraulic Location	Summary of Sampling Events			Status of Monitoring Well
		March 2 - 17, 2020	September 3 - 22, 2020	December 15, 2020	
Purpose of Sampling Event		Detection	Detection	Verification	
LANDFILL CELLS 9 & 10 MONITORING WELL NETWORK					
GWA-39Z	Upgradient	D06	D07		Detection Monitoring
GWA-39RZ	Upgradient	D06	D07		Detection Monitoring
GWA-40	Upgradient	D06	D07		Detection Monitoring
GWA-41	Upgradient	D06	D07		Detection Monitoring
GWA-41R	Upgradient	D06	D07		Detection Monitoring
GWA-42	Upgradient	D06	D07		Detection Monitoring
GWA-43	Upgradient	D06	D07		Detection Monitoring
GWA-43R	Upgradient	D06	D07		Detection Monitoring
GWC-44	Downgradient	D06	D07		Detection Monitoring
GWC-45	Downgradient	D06	D07	Sb	Detection Monitoring
GWC-45R	Downgradient	D06	D07		Detection Monitoring
GWC-46R	Downgradient	D06	D07		Detection Monitoring
GWC-47	Downgradient	D06	D07		Detection Monitoring
GWC-47R	Downgradient	D06	D07		Detection Monitoring
GWC-48	Downgradient	D06	D07		Detection Monitoring
GWC-49Z	Downgradient	D06	D07		Detection Monitoring
GWC-49R	Downgradient	D06	D07		Detection Monitoring

Notes:
Dxx - Detection Event Number
NS = not sampled
Sb - antimony
TDS - total dissolved solids

**TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS**

Well ID	Top of Casing Elevation (feet above MSL)	Groundwater Elevation (feet above MSL)														
		3/21/2016 (Event #1)	5/2/2016 (Event #2)	7/5/2016 (Event #3)	9/6/2016 (Event #4)	10/24/2016 (Event #5)	1/4/2017 (Event #6)	3/13/2017 (Event #7)	5/15/2017 (Event #8)	9/14/2017 (Event #9)	3/6/2018 (Event #10)	9/5/2018 (Event #11)	3/5/2019 (Event #12)	9/3/2019 (Event #13)	2/28/2020 (Event #14)	9/1/2020 (Event #15)
Landfill Cells 1 & 2																
GWA-1	742.20	654.18	656.69	655.41	654.49	654.21	654.80	654.81	655.20	655.77	658.47	655.56	665.31	655.84	666.84	656.14
GWA-2	734.81	657.81	654.01	652.26	651.30	651.01	652.19	651.89	652.43	653.46	656.31	653.00	661.09	652.74	662.29	653.06
GWA-2R	735.78	658.46	655.05	653.86	652.76	652.63	653.00	652.83	653.23	653.70	657.15	654.09	662.09	653.94	662.62	654.06
GWA-3	732.47	681.38	670.95	666.87	663.58	661.93	661.24	662.00	664.19	NM	674.10	666.72	688.27	666.32	688.08	666.85
GWA-4	743.47	671.26	NA	Dry	NA	NA	671.21	671.23	671.09	671.18	671.17	NA	NA	671.13	Dry	Dry
GWA-4R	743.84	661.02	NA	Dry	NA	NA	657.34	655.95	655.81	655.57	658.00	656.07	662.42	657.58	662.40	657.39
GWA-4RZ	742.85	NA	NA	NA	NA	NA	649.41	652.42	653.60	643.93	655.08	655.55	663.58	655.05	662.12	655.33
GWA-50	722.98	671.25	665.44	662.47	659.49	657.62	656.08	654.82	654.33	654.23	656.17	657.50	673.93	661.37	672.42	662.43
GWA-50R	721.30	652.09	646.39	644.10	642.79	642.18	643.07	643.32	643.97	644.61	649.25	644.69	655.94	644.29	656.22	644.52
GWA-5	738.17	666.93	660.62	658.25	656.58	655.77	656.13	656.11	656.76	657.05	661.24	657.92	670.60	658.09	670.63	658.28
GWC-6	729.02	662.46	656.30	654.03	652.58	651.95	652.83	653.08	653.74	654.38	659.22	654.59	667.84	654.20	667.97	654.42
GWC-6RZ	732.10	661.62	655.80	653.49	652.19	651.62	652.42	652.65	653.33	653.91	658.51	645.03	665.93	653.72	666.10	653.91
GWC-7Z	713.12	660.93	NA	652.77	651.51	651.13	652.23	652.30	652.86	653.86	658.77	653.72	668.11	653.24	668.43	653.50
GWC-8Z	702.32	660.01	654.61	652.57	651.36	650.95	652.11	652.10	652.59	653.70	658.08	653.41	666.44	652.98	666.90	653.22
GWC-8RR	702.09	659.74	654.56	652.55	651.36	650.96	652.08	652.10	652.61	653.67	658.00	653.39	666.03	652.97	666.55	653.22
GWC-9	695.50	657.13	653.50	651.81	650.91	650.70	652.03	651.64	652.13	653.54	656.46	652.74	661.89	652.36	663.04	652.69
GWC-10	688.57	657.13	653.41	651.70	650.78	650.57	651.88	651.50	652.01	653.41	656.75	652.62	663.58	652.22	663.77	652.54
GWC-10R	688.61	657.11	653.39	651.69	650.76	650.56	651.84	651.45	651.96	653.35	656.69	652.58	663.63	652.19	663.80	652.51
GWC-11	678.43	656.95	653.33	651.68	650.73	650.49	651.84	651.57	651.94	653.48	656.60	652.63	661.27	652.23	662.49	652.50
GWC-11R	678.32	656.81	653.30	651.67	650.72	650.63	651.81	651.52	651.92	653.44	656.52	652.58	661.21	652.21	662.45	652.48
GWC-12	677.77	657.32	653.64	651.98	650.92	650.62	652.06	651.73	652.19	653.50	656.67	652.85	661.04	652.51	662.26	652.67
GWC-13	687.13	657.44	653.83	651.86	650.79	650.51	651.82	651.53	652.10	653.25	656.71	652.78	661.41	652.50	662.39	652.63
GWC-13R	686.53	657.32	653.26	651.28	650.89	650.62	651.92	651.70	652.17	653.41	656.63	652.86	661.11	652.58	662.28	652.73
GWC-13RZ	684.61	NA	NA	NA	NA	NA	NA	639.88	604.65	591.66	609.71	633.24	630.34	628.69	627.25	627.41
GWC-14	686.30	657.62	652.85	651.20	650.12	649.76	651.09	650.90	651.39	652.71	655.91	652.10	660.58	651.85	661.56	651.93
GWC-14Z	687.33	NA	NA	NA	NA	NA	652.34	652.26	652.62	653.53	657.41	653.31	662.11	653.39	663.03	653.43
GWC-15	695.51	661.75	654.51	652.89	651.66	651.19	652.45	652.49	652.97	653.70	657.76	653.73	662.91	653.51	663.39	653.45
GWC-15R	696.44	658.54	654.33	652.70	651.51	651.05	652.34	652.25	653.96	653.53	657.55	653.53	662.69	653.32	663.20	653.30
GWC-15Z	695.89	NA	NA	NA	NA	NA	652.06	652.01	652.51	653.30	657.30	653.30	662.40	653.07	662.94	653.04

**TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS**

Well ID	Top of Casing Elevation (feet above MSL)	Groundwater Elevation (feet above MSL)														
		3/21/2016 (Event #1)	5/2/2016 (Event #2)	7/5/2016 (Event #3)	9/6/2016 (Event #4)	10/24/2016 (Event #5)	1/4/2017 (Event #6)	3/13/2017 (Event #7)	5/15/2017 (Event #8)	9/14/2017 (Event #9)	3/6/2018 (Event #10)	9/5/2018 (Event #11)	3/5/2019 (Event #12)	9/3/2019 (Event #13)	2/28/2020 (Event #14)	9/1/2020 (Event #15)
Landfill Cells 3 & 4																
GWA-36	684.91	654.03	651.40	649.52	648.54	648.26	649.96	649.25	649.72	651.95	654.09	650.19	658.78	649.96	660.82	649.98
GWA-36R	684.53	654.01	651.37	649.45	648.50	648.23	649.94	649.23	649.69	651.93	654.08	650.16	658.77	648.93	660.80	649.96
GWA-37	703.66	653.36	652.53	649.78	648.64	648.14	649.68	649.25	649.91	651.43	652.94	651.51	658.11	651.87	659.56	652.16
GWA-38	716.43	665.11	664.49	661.87	659.24	657.59	655.97	656.28	657.32	658.78	659.80	662.00	669.00	657.70	666.97	664.13
GWA-51RZ	708.98	654.85	652.27	650.49	649.61	649.40	650.41	649.87	650.63	651.84	654.06	651.20	657.96	651.90	660.03	651.13
GWA-52	710.12	654.93	652.75	651.10	650.37	650.11	651.06	650.53	651.24	652.34	654.12	651.74	657.97	651.50	660.09	651.80
GWA-53	711.38	655.06	652.96	651.27	650.52	650.31	651.25	650.71	651.42	652.58	654.17	651.91	657.78	651.26	660.06	652.03
GWA-53R	711.93	654.97	652.86	651.16	650.38	650.19	651.19	650.63	651.31	652.47	654.08	651.85	657.69	652.25	659.96	651.92
GWA-54	704.63	655.28	653.16	651.43	650.70	650.46	651.41	650.87	651.59	652.74	654.32	652.11	657.93	651.85	660.18	652.19
GWA-55	697.01	655.09	652.97	649.29	650.54	650.28	651.39	648.73	651.47	652.64	654.21	651.99	657.95	651.74	660.02	652.09
GWA-55R	696.84	655.05	652.95	651.26	650.50	650.26	651.27	650.67	651.41	652.58	654.19	651.92	657.86	651.72	660.00	652.06
GWA-56	692.45	655.06	652.95	651.33	650.40	650.27	651.34	650.69	651.43	652.57	654.17	651.96	657.88	651.67	659.97	652.06
GWC-16R	730.69	651.86	652.23	652.23	652.13	652.02	651.85	650.39	649.95	650.08	651.35	650.57	653.30	653.18	655.99	652.20
GWC-17R	733.73	654.19	652.32	650.81	650.24	649.94	650.12	649.85	650.09	650.24	651.00	650.26	656.62	650.71	657.38	650.79
GWC-18	721.93	649.59	648.35	647.06	646.63	646.49	BTP	BTP	BTP	BTP	648.94	BTP	651.37	BTP	655.19	647.74
GWC-18R	721.78	649.94	648.53	647.19	646.68	646.50	647.47	646.76	647.28	649.05	649.17	647.54	651.92	647.45	655.31	647.75
GWC-19R	726.58	650.71	649.36	647.94	647.50	647.33	648.38	647.56	648.12	649.80	650.03	648.38	652.54	648.23	655.95	648.57
GWC-20R	721.09	651.56	650.03	648.55	649.77	647.78	648.77	647.98	648.56	650.36	650.62	648.94	653.78	648.86	656.87	649.23
GWC-21R	723.46	653.03	651.48	650.75	650.24	650.00	650.38	649.70	650.34	651.22	652.32	650.86	655.60	650.81	658.16	650.88
GWC-22R	715.85	653.71	651.77	650.21	649.50	649.25	650.20	649.57	650.28	651.44	652.65	650.75	655.93	650.54	658.39	650.84
GWC-23R	691.41	653.93	651.97	650.56	649.77	649.54	650.30	BTP	650.55	651.40	652.86	650.97	656.18	650.71	658.48	650.99
GWC-24R	676.92	653.75	651.87	650.31	649.56	649.37	650.25	649.70	650.34	651.48	652.78	650.82	656.16	650.65	658.44	651.36
GWC-25R	676.75	654.56	652.61	650.97	650.22	650.00	651.01	650.35	651.03	652.14	653.48	651.45	656.81	652.13	659.13	651.59

**TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS**

Well ID	Top of Casing Elevation (feet above MSL)	Groundwater Elevation (feet above MSL)														
		3/21/2016 (Event #1)	5/2/2016 (Event #2)	7/5/2016 (Event #3)	9/6/2016 (Event #4)	10/24/2016 (Event #5)	1/4/2017 (Event #6)	3/13/2017 (Event #7)	5/15/2017 (Event #8)	9/14/2017 (Event #9)	3/6/2018 (Event #10)	9/5/2018 (Event #11)	3/5/2019 (Event #12)	9/3/2019 (Event #13)	2/28/2020 (Event #14)	9/1/2020 (Event #15)
Landfill Cells 9 & 10																
GWA-39Z	735.10	673.67	668.97	667.15	666.07	664.40	663.66	664.74	665.07	665.91	668.56	666.16	683.24	666.97	683.69	667.37
GWA-39R	735.23	673.42	668.68	666.97	665.70	664.17	Well Abandoned									
GWA-39RZ	732.58	NA	NA	NA	NA	NA	662.98	663.79	664.28	664.40	667.73	663.64	684.13	666.13	684.61	666.53
GWA-40	731.73	668.52	663.52	662.24	660.51	659.31	660.02	660.63	661.09	661.68	666.34	661.85	674.68	661.33	674.72	660.77
GWA-41	742.37	670.16	664.54	663.03	661.27	659.91	BTP	661.20	661.40	662.67	668.29	662.47	685.47	662.12	681.55	661.54
GWA-41R	743.14	670.19	664.58	663.08	661.30	659.99	660.70	661.22	661.49	662.69	668.35	662.57	685.59	662.14	681.63	661.57
GWA-42	738.02	667.33	662.64	661.23	659.69	658.58	658.97	659.82	660.23	660.71	665.19	660.97	672.58	660.57	672.78	660.02
GWA-43	710.97	663.54	657.76	655.89	654.43	653.79	654.75	655.25	655.25	656.72	661.80	655.96	668.77	655.52	669.36	654.99
GWA-43R	711.21	663.30	657.70	655.86	654.40	653.81	654.72	655.18	655.20	656.65	661.67	655.99	668.67	655.46	669.21	654.93
GWA-44	712.95	664.67	658.37	665.33	653.55	655.43	661.39	658.20	656.12	661.22	666.01	657.34	672.93	657.52	672.44	657.83
GWC-45	701.56	662.40	657.69	655.16	652.80	651.66	651.38	652.77	654.35	655.74	661.37	644.08	668.35	655.63	668.54	654.99
GWC-45R	702.04	653.41	650.39	648.41	647.43	647.32	648.43	648.04	648.09	650.22	652.67	649.24	657.28	648.79	659.58	648.70
GWC-46R	690.51	654.46	650.62	648.26	647.12	646.87	648.01	647.65	648.57	649.96	653.55	649.37	658.85	648.94	660.65	648.77
GWC-47	690.84	653.36	650.08	647.85	646.21	646.55	647.82	647.39	648.20	649.78	652.58	648.84	657.47	648.44	659.61	648.35
GWC-47R	691.13	653.70	650.27	647.98	646.92	646.69	647.90	647.47	648.32	649.86	652.87	649.01	657.88	648.59	659.86	648.47
GWC-48	688.31	653.70	650.57	648.49	647.75	647.62	648.35	648.37	648.84	650.30	653.36	649.48	658.61	649.06	660.47	649.10
GWC-49Z	709.12	656.90	653.49	651.54	650.44	650.10	651.26	651.09	651.60	652.96	656.34	652.47	661.67	652.23	662.72	652.20
GWC-49R	709.50	656.68	653.19	651.22	651.19	649.79	651.03	650.87	651.34	652.74	656.01	652.17	661.31	651.85	662.40	651.85

Notes:

- BTP - Below Top of Pump
- Dry - Well was dry.
- NA - Not available.
- NM - Not measured.
- MSL - Mean Sea Level

**TABLE 4
GROUNDWATER FLOW VELOCITY CALCULATIONS**

Flow Paths	Groundwater Elevations in Well Pairs (h ₁ , h ₂) (feet)		Change in Elevation (Δh) (feet)	Distance Measured (L) (feet)	Hydraulic Gradient (i) (feet/feet)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n _e)	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)	
Landfill Cells 1 & 2	Overburden GWC-5 to GWC-9 March	670.63	663.04	7.59	1302	0.006	0.072	0.01	0.04	14.6
	Overburden GWC-15 to GWC-14 March	663.39	661.56	1.83	326	0.006	0.072	0.01	0.04	14.6
	Overburden GWC-5 to GWC-9 September	658.28	652.69	5.59	1302	0.004	0.072	0.01	0.03	11.0
	Overburden GWC-15 to GWC-14 September	653.45	651.93	1.52	326	0.005	0.072	0.01	0.03	11.0
	Bedrock GWC-8RR to GWC-10R March	666.55	663.80	2.75	600	0.005	0.36	0.01	0.17	62.1
	Bedrock GWC-10R to GWC-13R March	663.80	662.28	1.52	900	0.002	0.36	0.01	0.06	21.9
	Bedrock GWC-6RZ to GWC-10R September	653.91	652.51	1.40	1300	0.001	0.36	0.01	0.04	14.6
	Bedrock GWA-4RZ to GWC-6RZ September	655.33	653.91	1.42	650	0.002	0.36	0.01	0.08	29.2
Landfill Cells 3 & 4	Overburden GWA-52 to GWC-18 March	660.09	655.19	4.90	1275	0.004	0.072	0.01	0.03	11.0
	Overburden GWA-36 to GWA-37 March	660.82	659.56	1.26	350	0.004	0.072	0.01	0.03	11.0
	Overburden GWA-52 to GWC-18 September	651.80	647.74	4.06	1275	0.003	0.072	0.01	0.02	7.3
	Bedrock GWA-53R to GWC-18R March	659.96	655.31	4.65	1265	0.004	0.36	0.01	0.13	47.5
	Bedrock GWA-36R to GWC-16R March	660.80	655.99	4.81	1142	0.004	0.36	0.01	0.15	54.8
	Bedrock GWC-25R to GWC-23R March	659.13	658.48	0.65	660	0.001	0.36	0.01	0.04	14.6
	Bedrock GWA-55R to GWC-19R September	652.06	648.57	3.49	1400	0.002	0.36	0.01	0.09	32.9
	Bedrock GWC-16R to GWC-18R September	652.20	647.75	4.45	525	0.008	0.36	0.01	0.31	113.2
Landfill Cells 9 & 10	Overburden GWA-40 to GWC-45 March	674.72	668.54	6.18	1500	0.004	0.072	0.01	0.03	11.0
	Overburden GWC-49Z to GWC-48 March	662.72	660.47	2.25	250	0.009	0.072	0.01	0.06	21.9
	Overburden GWA-41 to GWC-47 September	661.54	648.35	13.19	1750	0.008	0.072	0.01	0.05	18.3
	Overburden GWC-49Z to GWC-48 September	652.20	649.10	3.10	250	0.012	0.072	0.01	0.09	32.9
	Bedrock GWA-41R to GWC-45R March	681.63	659.58	22.05	1350	0.016	0.36	0.01	0.59	215.4
	Bedrock GWC-49R to GWC-47R March	662.40	659.86	2.54	547	0.005	0.36	0.01	0.17	62.1
	Bedrock GWA-41R to GWC-45R September	661.57	648.70	12.87	1350	0.010	0.36	0.01	0.34	124.1
	Bedrock GWC-49R to GWC-47R September	651.85	648.47	3.38	547	0.006	0.36	0.01	0.22	80.3

TABLE 5
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 1 & 2

Substance		Well ID						
		GWA-1	GWA-1	GWA-2	GWA-2	GWA-2R	GWA-2R	GWA-3
		3/11/2020	9/15/2020	3/11/2020	9/15/2020	3/11/2020	9/15/2020	3/11/2020
APPENDIX III	Boron	< 0.0049	0.010 (J)	0.0068 (J)	0.0053 (J)	0.017 (J)	0.0074 (J)	0.0071 (J)
	Calcium	31.8	30.8	66.6	18.4	46.8	21.4	1.0
	Chloride	1.4	1.3	2.0	1.2	0.60 (J)	0.75 (J)	1.4
	Fluoride	0.052 (J)	0.050 (J)	< 0.050	< 0.050	0.052 (J)	< 0.050	< 0.050
	pH	7.5	7.4	6.6	6.4	7.1	7.5	5.3
	Sulfate	0.94 (J)	0.96 (J)	131	35.3	34.3	1.0	< 0.50
	TDS	172	156	309	28.0	170	89.0	24.0

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring

TABLE 5
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWA-4RZ	GWA-4RZ	GWA-50	GWA-50	GWA-50R	GWA-50R	GWC-5	GWC-5
		3/12/2020	9/17/2020	3/11/2020	9/16/2020	3/11/2020	9/15/2020	3/16/2020	9/16/2020
APPENDIX III	Boron	0.014 (J)	0.015 (J)	0.0063 (J)	< 0.0052	0.0070 (J)	< 0.0052	< 0.0049	< 0.0052
	Calcium	54.2	48.4	1.6	1.7	1.2	0.94 (J)	12.1	2.8
	Chloride	2.3	2.4	0.91 (J)	0.97 (J)	0.73 (J)	0.70 (J)	0.67 (J)	0.70 (J)
	Fluoride	0.18 (J)	0.12 (J)	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.6	7.4	5.6	5.6	5.4	5.3	6.9	6.0
	Sulfate	20.8	20.3	< 0.50	< 0.50	0.85 (J)	0.54 (J)	1.1	1.1
	TDS	247	223	17.0	20.0	24.0	12.0	20.0	30.0

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring

TABLE 5
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWC-6	GWC-6	GWC-6RZ	GWC-6RZ	GWC-7Z	GWC-7Z	GWC-8RR	GWC-8RR
		3/12/2020	9/16/2020	3/12/2020	9/16/2020	3/12/2020	9/16/2020	3/12/2020	9/17/2020
APPENDIX III	Boron	0.0061 (J)	< 0.0052	0.0052 (J)	< 0.0052	0.0057 (J)	0.0052 (J)	< 0.0049	< 0.0052
	Calcium	16.2	14.3	9.3	8.8	26.4	24.4	21.8	21.4
	Chloride	1.3	1.2	1.3	1.2	0.72 (J)	0.79 (J)	0.93 (J)	0.77 (J)
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.4	7.3	6.9	7.0	7.5	7.6	8.0	8.0
	Sulfate	2.1	1.8	1.4	1.3	1.7	1.1	1.8	0.60 (J)
	TDS	42.0	77.0	22.0	52.0	86.0	124	84.0	111

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring

TABLE 5
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWC-8Z	GWC-8Z	GWC-9	GWC-9	GWC-10	GWC-10	GWC-10R	GWC-10R
		3/16/2020	9/17/2020	3/12/2020	9/17/2020	3/12/2020	9/17/2020	3/12/2020	9/17/2020
APPENDIX III	Boron	< 0.0049	< 0.0052	0.0058 (J)	< 0.0052	< 0.0049	< 0.0052	0.0050 (J)	< 0.0052
	Calcium	19.4	18.1	1.8	18.3	18.6	32.6	43.2	39.0
	Chloride	1.3	1.4	1.9	1.9	2.3	2.5	3.0	2.9
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.0	7.1	4.8	6.4	6.4	7.3	7.5	7.7
	Sulfate	0.66 (J)	0.74 (J)	1.1	3.5	1.3	0.87 (J)	0.99 (J)	0.95 (J)
	TDS	76.0	98.0	16.0	94.0	63.0	140	81.0	125

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring

TABLE 5
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWC-11	GWC-11	GWC-11R	GWC-11R	GWC-12	GWC-12	GWC-13	GWC-13
		3/12/2020	9/21/2020	3/12/2020	9/21/2020	3/12/2020	9/21/2020	3/13/2020	9/22/2020
APPENDIX III	Boron	< 0.0049	< 0.0052	0.0058 (J)	< 0.0052	< 0.0049	< 0.0052	0.014 (J)	0.0087 (J)
	Calcium	8.0	17.7	32.5	26.0	8.1	8.0	33.0	43.1
	Chloride	1.0	1.0	1.5	1.3	0.84 (J)	0.71 (J)	3.3	3.5
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	6.3	7.0	7.6	7.8	6.2	6.3	7.3	7.3
	Sulfate	1.8	2.0	1.5	1.8	< 0.50	< 0.50	16.9	39.6
	TDS	96.0	93.0	125	145	64.0	62.0	143	176

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring

TABLE 5
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWC-13RZ	GWC-13RZ	GWC-14Z	GWC-14Z	GWC-15R	GWC-15R	GWC-15Z	GWC-15Z
		3/17/2020	9/22/2020	3/13/2020	9/21/2020	3/13/2020	9/21/2020	3/13/2020	9/21/2020
APPENDIX III	Boron	0.017 (J)	0.010 (J)	0.0081 (J)	< 0.0052	0.0064 (J)	0.0075 (J)	0.0054 (J)	< 0.0052
	Calcium	44.9	47.7	17.0	13.1	41.0	36.5	24.2	22.6
	Chloride	7.7	7.0	4.2	3.5	1.6	1.6	0.70 (J)	0.64 (J)
	Fluoride	0.11 (J)	0.10 (J)	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.6	7.0	6.2	6.1	7.6	7.5	7.7	7.7
	Sulfate	72.1	69.8	11.1	5.5	8.8	9.0	1.1	0.90 (J)
	TDS	256	248	59.0	94.0	169	186	76.0	122

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring

TABLE 6
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWA-36	GWA-36	GWA-36R	GWA-36R	GWA-37	GWA-37	GWA-38	GWA-38
		3/2/2020	9/3/2020	3/2/2020	9/14/2020	3/2/2020	9/3/2020	3/2/2020	9/3/2020
APPENDIX III	Boron	0.010 (J)	< 0.0052	0.014 (J)	0.0065 (J)	0.0052 (J)	< 0.0052	< 0.0049	< 0.0052
	Calcium	12.5	15.7	35.2	32.4	0.77 (J)	0.73 (J)	2.5	1.0
	Chloride	2.1	1.9	2.4	2.9	0.78 (J)	0.82 (J)	2.5	2.9
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	6.6	6.8	7.2	7.1	5.5	5.2	5.5	5.3
	Sulfate	< 0.50	0.65 (J)	7.9	1.3	< 0.50	< 0.50	0.50 (J)	0.58 (J)
	TDS	65.0	90.0	170	156	< 10.0	25.0	32.0	21.0

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 6
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 3 & 4

Substance		Well ID								
		GWA-51RZ	GWA-51RZ	GWA-52	GWA-52	GWA-53	GWA-53	GWA-53R	GWA-53R	
		3/3/2020	9/9/2020	3/2/2020	9/3/2020	3/4/2020	9/8/2020	3/4/2020	9/8/2020	
APPENDIX III	Boron	0.0096 (J)	0.0054 (J)	0.0070 (J)	< 0.0052	0.0064 (J)	0.0072 (J)	< 0.0049	< 0.0052	
	Calcium	47.6	44.1	33.7	28.9	31.2	28.5	31.6	29.4	
	Chloride	2.6	2.6	4.9	1.4	2.2	2.3	2.3	2.3	
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.7	7.6	7.4	7.6	7.6	7.7	7.7	7.7	
	Sulfate	21.5	21.8	16.3	3.5	1.5	1.4	1.7	1.4	
	TDS	211	205	142	132	146	138	157	124	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 6
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWA-54	GWA-54	GWA-55	GWA-55	GWA-55R	GWA-55R	GWA-56	GWA-56
		3/3/2020	9/8/2020	3/3/2020	9/4/2020	3/4/2020	9/4/2020	3/4/2020	9/4/2020
APPENDIX III	Boron	0.0084 (J)	< 0.0052	0.010 (J)	0.0053 (J)	0.0063 (J)	< 0.0052	0.022 (J)	0.015 (J)
	Calcium	27.1	24.5	40.1	47.2	39.9	34.4	38.0	34.5
	Chloride	0.77 (J)	0.80 (J)	2.7	3.0	2.6	2.5	4.5	4.1
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.086 (J)	0.086 (J)
	pH	7.6	7.6	7.0	7.2	7.3	7.6	8.0	7.8
	Sulfate	1.7	1.8	29.0	20.4	23.4	16.1	69.4	54.9
	TDS	91.0	116	210	226	207	180	325	267

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 6
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWC-16R	GWC-16R	GWC-17R	GWC-17R	GWC-18	GWC-18	GWC-18R	GWC-18R
		3/4/2020	9/9/2020	3/5/2020	9/9/2020	3/6/2020	9/9/2020	3/5/2020	9/9/2020
APPENDIX III	Boron	0.027 (J)	0.012 (J)	< 0.0049	< 0.0052	< 0.0049	< 0.0052	< 0.0049	< 0.0052
	Calcium	60.6	57.1	71.4	63.2	23.5	15.3	32.0	28.5
	Chloride	0.79 (J)	1.0 (J)	4.5	4.3	2.2	2.1	2.2	2.3
	Fluoride	0.29 (J)	0.17 (J)	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.4	7.1	7.3	7.2	7.0	6.6	7.8	7.8
	Sulfate	8.4	2.8	7.7	5.6	2.0	1.4	1.9	1.9
	TDS	326	297	307	285	109	88.0	143	120

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 6
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWC-19R	GWC-19R	GWC-20R	GWC-20R	GWC-21R	GWC-21R	GWC-22R	GWC-22R
		3/4/2020	9/9/2020	3/5/2020	9/4/2020	3/3/2020	9/8/2020	3/3/2020	9/8/2020
APPENDIX III	Boron	< 0.0049	< 0.0052	< 0.0049	< 0.0052	0.0096 (J)	0.014 (J)	0.0066 (J)	0.0084 (J)
	Calcium	34.0	30.5	38.9	40.2	70.2	61.9	37.2	34.7
	Chloride	2.3	2.4	1.5	1.5	3.9	4.1	2.5	2.6
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.7	7.7	7.6	7.6	7.1	7.1	7.2	7.2
	Sulfate	3.6	3.4	1.1	1.1	11.3	9.6	1.7	1.3
	TDS	157	152	171	212	292	297	181	157

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 6
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWC-23R	GWC-23R	GWC-23R	GWC-24R	GWC-24R	GWC-25R	GWC-25R	Spring
		3/5/2020	9/9/2020	12/15/2020	3/3/2020	9/9/2020	3/3/2020	9/4/2020	3/6/2020
APPENDIX III	Boron	< 0.0049	< 0.0052	NA	< 0.0049	< 0.0052	< 0.0049	< 0.0052	0.0082 (J)
	Calcium	63.7	57.6	NA	33.3	31.5	37.6	36.6	14.0
	Chloride	1.3	2.0	NA	2.1	2.5	2.4	2.5	2.1
	Fluoride	< 0.050	< 0.050	NA	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.2	7.1	7.4	7.6	7.2	7.6	7.6	7.2
	Sulfate	10.8	124	61.2	2.0	1.9	1.6	1.6	3.4
	TDS	265	501	351	146	155	183	172	75.0

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 7
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 9 & 10

Substance		Well ID							
		GWA-39RZ	GWA-39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41
		3/9/2020	9/16/2020	3/9/2020	9/10/2020	3/9/2020	9/11/2020	3/6/2020	9/10/2020
APPENDIX III	Boron	0.0065 (J)	0.015 (J)	< 0.0049	< 0.0052	0.0074 (J)	< 0.0052	0.013 (J)	< 0.0052
	Calcium	35.6	34.9	3.2	1.0	29.4	17.7	29.2	13.5
	Chloride	1.5	1.7	1.2	1.2	1.5	0.77 (J)	1.3	1.2
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.7	7.7	5.9	5.5	7.5	7.0	6.8	6.4
	Sulfate	5.8	8.6	0.84 (J)	0.95 (J)	1.2	1.3	10.0	1.7
	TDS	173	156	58.0	16.0	131	102	137	35.0

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 7
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 9 & 10

Substance		Well ID							
		GWA-41R	GWA-41R	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R
		3/9/2020	9/10/2020	3/6/2020	9/10/2020	3/9/2020	9/11/2020	3/9/2020	9/14/2020
APPENDIX III	Boron	0.021 (J)	0.016 (J)	0.0068 (J)	< 0.0052	< 0.0049	< 0.0052	0.017 (J)	0.018 (J)
	Calcium	25.5	22.9	38.0	31.1	2.6	9.0	31.7	31.0
	Chloride	1.3	1.4	2.7	2.0	1.2	1.3	2.2	3.3
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	6.7	6.7	7.4	7.5	5.5	6.3	7.7	7.8
	Sulfate	8.5	5.9	1.7	0.95 (J)	< 0.50	< 0.50	3.9	4.9
	TDS	249	111	143	120	51.0	31.0	174	146

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 7
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 9 & 10

Substance		Well ID								
		GWC-44	GWC-44	GWC-45	GWC-45	GWC-45	GWC-45R	GWC-45R	GWC-46R	GWC-46R
		3/10/2020	9/15/2020	3/10/2020	9/11/2020	12/15/2020	3/10/2020	9/11/2020	3/10/2020	9/14/2020
APPENDIX III	Boron	0.019 (J)	0.0089 (J)	< 0.0049	< 0.0052	NA	0.0090 (J)	0.0056 (J)	< 0.0049	< 0.0052
	Calcium	16.9	8.3	0.89 (J)	0.81 (J)	NA	43.5	35.3	51.6	40.2
	Chloride	5.9	4.2	0.80 (J)	0.79 (J)	NA	4.4	3.1	1.2	1.1
	Fluoride	0.13 (J)	< 0.050	< 0.050	< 0.050	NA	< 0.050	< 0.050	< 0.050	< 0.050
	pH	4.4	4.5	5.0	4.9	4.9	7.1	7.3	7.4	7.4
	Sulfate	48.5	23.1	0.61 (J)	< 0.50	NA	5.2	2.8	5.5	6.9
	TDS	127	56.0	60.0	11.0	NA	245	146	273	232

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
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3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 7
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 9 & 10

Substance		Well ID							
		GWC-47	GWC-47	GWC-47R	GWC-47R	GWC-48	GWC-48	GWC-49R	GWC-49R
		3/9/2020	9/14/2020	3/9/2020	9/15/2020	3/9/2020	9/14/2020	3/11/2020	9/11/2020
APPENDIX III	Boron	< 0.0049	< 0.0052	0.0051 (J)	< 0.0052	< 0.0049	< 0.0052	< 0.0049	0.0057 (J)
	Calcium	22.3	20.9	35.0	31.6	4.5	3.5	27.1	24.7
	Chloride	2.3	2.2	2.3	2.2	3.4	4.0	1.4	1.2
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	7.2	7.5	7.5	7.6	5.2	5.0	8.2	8.0
	Sulfate	4.3	4.3	10.4	9.6	1.6	5.4	3.3	2.1
	TDS	147	129	44.0	108	100	47.0	125	127

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 7
ANALYTICAL DATA SUMMARY
Appendix III
(2020)
Landfill Cells 9 & 10

Substance		Well ID	
		GWC-49Z	GWC-49Z
		3/9/2020	9/14/2020
APPENDIX III	Boron	0.0055 (J)	< 0.0052
	Calcium	0.87 (J)	0.65 (J)
	Chloride	1.0	0.98 (J)
	Fluoride	< 0.050	< 0.050
	pH	5.6	5.3
	Sulfate	1.5	1.2
	TDS	51.0	25.0

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH reported in standard units (su).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring
6. NA indicates substance was not analyzed

TABLE 8
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 1 & 2

Substance		Well ID								
		GWA-1	GWA-1	GWA-2	GWA-2	GWA-2R	GWA-2R	GWA-3	GWA-4RZ	GWA-4RZ
		3/11/2020	9/15/2020	3/11/2020	9/15/2020	3/11/2020	9/15/2020	3/11/2020	3/12/2020	9/17/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.00079 (J)	0.0061	< 0.00027	< 0.00028	0.0020 (J)	0.0037	0.0045	0.0017 (J)	0.00087 (J)
	Arsenic	0.00088 (J)	< 0.00078	< 0.00035	< 0.00078	0.00044 (J)	0.00081 (J)	< 0.00035	0.0033 (J)	0.0011 (J)
	Barium	0.016	0.019	0.035	0.019	0.027	0.013	0.0041 (J)	0.053	0.036
	Beryllium	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00011	< 0.00012
	Chromium	0.0012 (J)	< 0.00055	0.0025 (J)	0.00086 (J)	0.0042 (J)	< 0.00055	0.00095 (J)	< 0.00039	< 0.00055
	Cobalt	0.00037 (J)	0.00048 (J)	< 0.00030	< 0.00038	< 0.00030	0.0010 (J)	0.00041 (J)	0.013	0.019
	Copper	< 0.00019	< 0.0017	0.00020 (J)	< 0.0017	0.0011 (J)	< 0.0017	0.027	0.00020 (J)	< 0.0017
	Lead	< 0.000046	0.000093 (J)	< 0.000046	< 0.000036	0.000058 (J)	0.000050 (J)	< 0.000046	< 0.000046	< 0.000036
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.00014	< 0.000078
	Nickel	0.00068 (J)	< 0.00069	0.0014 (J)	< 0.00069	0.0020 (J)	0.0013 (J)	0.012	0.00034 (J)	< 0.00069
	Selenium	< 0.0013	< 0.0016	0.0021 (J)	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	0.00084 (J)	< 0.0022	< 0.00071	< 0.00071	< 0.0022	
Zinc	0.0035 (J)	< 0.0035	0.0028 (J)	< 0.0035	0.0038 (J)	< 0.0035	0.031	0.0027 (J)	0.0047 (J)	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.

TABLE 8
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWA-50	GWA-50	GWA-50R	GWA-50R	GWC-5	GWC-5	GWC-6	GWC-6
		3/11/2020	9/16/2020	3/11/2020	9/15/2020	3/16/2020	9/16/2020	3/12/2020	9/16/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.00050 (J)	< 0.00028	< 0.00027	0.00048 (J)	0.00031 (J)	< 0.00028	0.00052 (J)	< 0.00028
	Arsenic	< 0.00035	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078	0.00055 (J)	< 0.00078
	Barium	0.0077 (J)	0.0081 (J)	0.0095 (J)	0.0089 (J)	0.024	0.013	0.0075 (J)	0.0074 (J)
	Beryllium	< 0.000074	< 0.000046	< 0.000074	0.000085 (J)	0.00048 (J)	0.00069 (J)	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.0011 (J)	< 0.00055	< 0.00039	< 0.00055	0.00078 (J)	< 0.00055	0.0034 (J)	0.0022 (J)
	Cobalt	< 0.00030	< 0.00038	< 0.00030	< 0.00038	0.00031 (J)	< 0.00038	< 0.00030	< 0.00038
	Copper	0.0026 (J)	0.0018 (J)	0.0035 (J)	0.0031 (J)	0.012 (J)	0.017 (J)	< 0.00019	< 0.0017
	Lead	< 0.000046	0.000093 (J)	< 0.000046	< 0.000036	0.000051 (J)	< 0.000036	0.00010 (J)	0.00012 (J)
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.00084 (J)	< 0.00069	0.0010 (J)	0.0012 (J)	0.015	0.0075 (J)	< 0.00031	< 0.00069
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	0.00039 (J)	0.00042 (J)	0.0013 (J)	0.0012 (J)	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	0.000059 (J)	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0025 (J)	< 0.0035	0.0033 (J)	< 0.0035	0.047	0.033	0.0042 (J)	< 0.0035	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.

TABLE 8
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWC-6RZ	GWC-6RZ	GWC-7Z	GWC-7Z	GWC-8RR	GWC-8RR	GWC-8Z	GWC-8Z
		3/12/2020	9/16/2020	3/12/2020	9/16/2020	3/12/2020	9/17/2020	3/16/2020	9/17/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.0011 (J)	< 0.00028	0.00066 (J)	0.0012 (J)	0.00043 (J)	0.00082 (J)	< 0.00027	< 0.00028
	Arsenic	< 0.00035	< 0.00078	0.00044 (J)	< 0.00078	0.00039 (J)	< 0.00078	< 0.00035	< 0.00078
	Barium	0.0072 (J)	0.0066 (J)	0.022	0.020	0.014	0.014	0.027	0.025
	Beryllium	0.000093 (J)	0.000067 (J)	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	0.000049 (J)
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.0028 (J)	0.0023 (J)	0.0014 (J)	< 0.00055	0.0031 (J)	0.00086 (J)	0.0015 (J)	0.0017 (J)
	Cobalt	< 0.00030	< 0.00038	0.00031 (J)	0.00072 (J)	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	0.00028 (J)	< 0.0017	0.00021 (J)	< 0.0017	< 0.00019	< 0.0017	0.00024 (J)	< 0.0017
	Lead	0.000070 (J)	< 0.000036	0.000082 (J)	0.00011 (J)	0.000056 (J)	0.000080 (J)	0.00016 (J)	0.000065 (J)
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	< 0.00031	< 0.00069	0.00078 (J)	< 0.00069	< 0.00031	< 0.00069	0.00060 (J)	< 0.00069
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	0.00022 (J)	0.00019 (J)	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0032 (J)	< 0.0035	0.0031 (J)	< 0.0035	0.0020 (J)	< 0.0035	0.0073 (J)	< 0.0035	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.

TABLE 8
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWC-9	GWC-9	GWC-10	GWC-10	GWC-10R	GWC-10R	GWC-11	GWC-11
		3/12/2020	9/17/2020	3/12/2020	9/17/2020	3/12/2020	9/17/2020	3/12/2020	9/21/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	< 0.00027	< 0.00028	< 0.00027	< 0.00028	< 0.00027	< 0.00028	0.0013 (J)	0.00091 (J)
	Arsenic	< 0.00035	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078
	Barium	0.044	0.031	0.026	0.013	0.028	0.022	0.0086 (J)	0.0093 (J)
	Beryllium	0.00022 (J)	0.000048 (J)	0.00017 (J)	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.00045 (J)	< 0.00055	0.00047 (J)	0.0011 (J)	< 0.00039	< 0.00055	0.00084 (J)	0.0081 (J)
	Cobalt	0.00044 (J)	< 0.00038	0.0017 (J)	< 0.00038	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	0.00031 (J)	< 0.0017	< 0.00019	< 0.0017	< 0.00019	< 0.0017	0.00023 (J)	< 0.0017
	Lead	0.00016 (J)	0.000079 (J)	< 0.000046	< 0.000036	< 0.000046	< 0.000036	0.000052 (J)	< 0.000036
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.0011 (J)	< 0.00069	0.0015 (J)	< 0.00069	0.00043 (J)	< 0.00069	< 0.00031	< 0.00069
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	< 0.000052	< 0.00014	0.000054 (J)	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0045 (J)	< 0.0035	0.0024 (J)	< 0.0035	0.0027 (J)	< 0.0035	0.0038 (J)	< 0.0035	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.

TABLE 8
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 1 & 2

Substance		Well ID							
		GWC-11R	GWC-11R	GWC-12	GWC-12	GWC-13	GWC-13	GWC-13RZ	GWC-13RZ
		3/12/2020	9/21/2020	3/12/2020	9/21/2020	3/13/2020	9/22/2020	3/17/2020	9/22/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.0010 (J)	0.0053	< 0.00027	< 0.00028	0.0023 (J)	< 0.00028	0.00090 (J)	0.00079 (J)
	Arsenic	0.0012 (J)	0.0012 (J)	0.0053	0.0065	0.00096 (J)	0.00098 (J)	0.00067 (J)	0.00086 (J)
	Barium	0.021	0.016	0.023	0.023	0.023	0.027	0.097	0.095
	Beryllium	< 0.000074	< 0.000046	< 0.000074	< 0.000046	0.000080 (J)	< 0.000046	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	0.00089 (J)	0.00025 (J)	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.0042 (J)	0.0056 (J)	< 0.00039	< 0.00055	0.0054 (J)	0.0062 (J)	0.0020 (J)	< 0.00055
	Cobalt	< 0.00030	< 0.00038	0.0031 (J)	0.0029 (J)	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	0.00032 (J)	< 0.0017	< 0.00019	< 0.0017	0.00033 (J)	< 0.0017	0.00045 (J)	< 0.0017
	Lead	0.000046 (J)	< 0.000036	< 0.000046	< 0.000036	0.00013 (J)	0.00015 (J)	< 0.000046	0.000071 (J)
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	< 0.00031	< 0.00069	0.0022 (J)	0.0019 (J)	< 0.00031	< 0.00069	0.00082 (J)	< 0.00069
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	0.0019 (J)	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	0.0020 (J)	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0053 (J)	0.0037 (J)	0.015	0.0065 (J)	0.0043 (J)	< 0.0035	0.0057 (J)	< 0.0035	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.

TABLE 8
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 1 & 2

Substance		Well ID					
		GWC-14Z	GWC-14Z	GWC-15R	GWC-15R	GWC-15Z	GWC-15Z
		3/13/2020	9/21/2020	3/13/2020	9/21/2020	3/13/2020	9/21/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.00053 (J)	< 0.00028	0.00056 (J)	0.0021 (J)	< 0.00027	< 0.00028
	Arsenic	< 0.00035	< 0.00078	0.00047 (J)	< 0.00078	0.00052 (J)	< 0.00078
	Barium	0.017	0.013	0.020	0.021	0.014	0.013
	Beryllium	0.00016 (J)	0.000095 (J)	< 0.000074	< 0.000046	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.00093 (J)	< 0.00055	0.0011 (J)	0.0016 (J)	0.0012 (J)	0.00089 (J)
	Cobalt	< 0.00030	< 0.00038	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	< 0.00019	< 0.0017	0.00029 (J)	< 0.0017	0.00020 (J)	< 0.0017
	Lead	< 0.000046	0.00023 (J)	0.00037 (J)	0.00093 (J)	0.000048 (J)	0.000075 (J)
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.00078 (J)	< 0.00069	0.00072 (J)	0.0015 (J)	< 0.00031	< 0.00069
	Selenium	0.0016 (J)	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	0.00077 (J)	< 0.0022	0.00095 (J)	< 0.0022	
Zinc	0.0028 (J)	< 0.0035	0.0057 (J)	0.0036 (J)	0.0026 (J)	< 0.0035	

Notes:

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Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.

TABLE 9
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWA-36	GWA-36	GWA-36R	GWA-36R	GWA-37	GWA-37	GWA-38	GWA-38
		3/2/2020	9/3/2020	3/2/2020	9/14/2020	3/2/2020	9/3/2020	3/2/2020	9/3/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	< 0.00027	0.00094 (J)	< 0.00027	< 0.00028	0.0018 (J)	0.0012 (J)	< 0.00027	< 0.00028
	Arsenic	< 0.00035	< 0.00078	< 0.00035	< 0.00078	0.00053 (J)	< 0.00078	0.00059 (J)	< 0.00078
	Barium	0.019	0.014	0.024	0.030	0.0050 (J)	0.0045 (J)	0.012	0.011
	Beryllium	0.00024 (J)	0.00020 (J)	0.00015 (J)	0.00012 (J)	< 0.000074	< 0.000046	< 0.000074	< 0.000046
	Cadmium	0.0012 (J)	0.00089 (J)	0.00018 (J)	0.00016 (J)	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	< 0.00039	< 0.00055	0.00047 (J)	< 0.00055	< 0.00039	< 0.00055	0.0014 (J)	0.0013 (J)
	Cobalt	< 0.00030	< 0.00038	< 0.00030	< 0.00038	< 0.00030	< 0.00038	0.0011 (J)	0.00091 (J)
	Copper	< 0.00019	< 0.0017	0.00043 (J)	< 0.0017	0.0068 (J)	0.0067 (J)	0.00019 (J)	< 0.0017
	Lead	0.000052 (J)	0.00012 (J)	0.00031 (J)	0.00065 (J)	< 0.000046	< 0.000036	< 0.000046	< 0.000036
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.00071 (J)	< 0.00069	0.00051 (J)	< 0.00069	0.0079 (J)	0.0096 (J)	0.0010 (J)	0.00089 (J)
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	0.00074 (J)	< 0.0022	0.0014 (J)	< 0.0022	
Zinc	0.54	0.35	0.056	0.053	0.0063 (J)	0.0049 (J)	0.0032 (J)	< 0.0035	

Notes:

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TABLE 9
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWA-51RZ	GWA-51RZ	GWA-52	GWA-52	GWA-53	GWA-53	GWA-53R	GWA-53R
		3/3/2020	9/9/2020	3/2/2020	9/3/2020	3/4/2020	9/8/2020	3/4/2020	9/8/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	< 0.00027	0.00035 (J)	< 0.00027	< 0.00028	0.0019 (J)	0.0017 (J)	0.00053 (J)	0.00078 (J)
	Arsenic	0.00073 (J)	< 0.00078	< 0.00035	< 0.00078	0.00044 (J)	< 0.00078	0.00043 (J)	< 0.00078
	Barium	0.017	0.017	0.023	0.017	0.013	0.012	0.015	0.013
	Beryllium	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	0.000055 (J)	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	< 0.00039	< 0.00055	0.0011 (J)	0.0011 (J)	0.00076 (J)	< 0.00055	0.0012 (J)	< 0.00055
	Cobalt	< 0.00030	< 0.00038	< 0.00030	< 0.00038	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	0.00041 (J)	0.0019 (J)	0.00024 (J)	< 0.0017	0.00053 (J)	< 0.0017	< 0.00019	< 0.0017
	Lead	0.000051 (J)	0.000089 (J)	< 0.000046	< 0.000036	0.00016 (J)	0.00012 (J)	0.000066 (J)	0.00060 (J)
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	< 0.00031	< 0.00069	< 0.00031	< 0.00069	< 0.00031	< 0.00069	< 0.00031	< 0.00069
	Selenium	0.0053 (J)	0.0059 (J)	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	0.00012 (J)	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	0.00091 (J)	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0035 (J)	< 0.0035	0.0024 (J)	< 0.0035	0.0040 (J)	< 0.0035	0.0027 (J)	< 0.0035	

Notes:

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TABLE 9
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWA-54	GWA-54	GWA-55	GWA-55	GWA-55R	GWA-55R	GWA-56	GWA-56
		3/3/2020	9/8/2020	3/3/2020	9/4/2020	3/4/2020	9/4/2020	3/4/2020	9/4/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.0011 (J)	< 0.00028	< 0.00027	0.00065 (J)	< 0.00027	< 0.00028	< 0.00027	< 0.00028
	Arsenic	< 0.00035	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078	0.00040 (J)	< 0.00078
	Barium	0.031	0.035	0.023	0.022	0.029	0.032	0.039	0.033
	Beryllium	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.0017 (J)	0.0014 (J)	0.00085 (J)	0.0012 (J)	0.00079 (J)	< 0.00055	< 0.00039	0.0012 (J)
	Cobalt	< 0.00030	< 0.00038	0.0048 (J)	0.0012 (J)	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	0.00025 (J)	< 0.0017	< 0.00019	< 0.0017	< 0.00019	< 0.0017	0.00030 (J)	< 0.0017
	Lead	0.000048 (J)	< 0.000036	0.000048 (J)	0.00010 (J)	< 0.000046	< 0.000036	0.000050 (J)	< 0.000036
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	< 0.00031	< 0.00069	0.00061 (J)	< 0.00069	< 0.00031	< 0.00069	< 0.00031	< 0.00069
	Selenium	< 0.0013	< 0.0016	0.0025 (J)	< 0.0016	0.0018 (J)	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	0.000079 (J)	< 0.00014	0.000065 (J)	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0024 (J)	< 0.0035	0.0050 (J)	< 0.0035	0.0028 (J)	< 0.0035	0.0029 (J)	< 0.0035	

Notes:

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TABLE 9
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWC-16R	GWC-16R	GWC-17R	GWC-17R	GWC-18	GWC-18	GWC-18R	GWC-18R
		3/4/2020	9/9/2020	3/5/2020	9/9/2020	3/6/2020	9/9/2020	3/5/2020	9/9/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.019	0.015	< 0.00027	< 0.00028	0.00049 (J)	< 0.00028	0.00068 (J)	< 0.00028
	Arsenic	0.00088 (J)	0.0011 (J)	< 0.00035	< 0.00078	< 0.00035	< 0.00078	0.00042 (J)	< 0.00078
	Barium	0.045	0.051	0.018	0.018	0.015	0.016	0.015	0.014
	Beryllium	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046	0.00013 (J)	0.00020 (J)
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.0014 (J)	0.00056 (J)	0.00063 (J)	< 0.00055	0.0019 (J)	0.0010 (J)	0.00070 (J)	< 0.00055
	Cobalt	< 0.00030	0.00069 (J)	< 0.00030	< 0.00038	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	0.0024 (J)	< 0.0017	0.00023 (J)	< 0.0017	0.00023 (J)	< 0.0017	< 0.00019	< 0.0017
	Lead	< 0.000046	0.00017 (J)	< 0.000046	< 0.000036	0.00013 (J)	0.000060 (J)	0.00032 (J)	0.00025 (J)
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.0032 (J)	0.0067 (J)	< 0.00031	< 0.00069	0.00050 (J)	< 0.00069	< 0.00031	< 0.00069
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	0.00014 (J)	< 0.00014	< 0.000052	< 0.00014	0.000076 (J)	< 0.00014	< 0.000052	< 0.00014
Vanadium	0.0023 (J)	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.015	0.037	0.0035 (J)	< 0.0035	0.0045 (J)	< 0.0035	0.0024 (J)	< 0.0035	

Notes:

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TABLE 9
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 3 & 4

Substance		Well ID							
		GWC-19R	GWC-19R	GWC-20R	GWC-20R	GWC-21R	GWC-21R	GWC-22R	GWC-22R
		3/4/2020	9/9/2020	3/5/2020	9/4/2020	3/3/2020	9/8/2020	3/3/2020	9/8/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	< 0.00027	< 0.00028	< 0.00027	< 0.00028	0.0019 (J)	0.0041	< 0.00027	< 0.00028
	Arsenic	0.00072 (J)	< 0.00078	< 0.00035	< 0.00078	0.0015 (J)	0.0023 (J)	0.0014 (J)	0.0025 (J)
	Barium	0.017	0.014	0.028	0.033	0.022	0.015	0.044	0.054
	Beryllium	0.00013 (J)	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.0010 (J)	< 0.00055	0.00075 (J)	0.00078 (J)	0.00058 (J)	0.0013 (J)	0.00057 (J)	< 0.00055
	Cobalt	< 0.00030	< 0.00038	< 0.00030	< 0.00038	< 0.00030	< 0.00038	0.00078 (J)	0.00087 (J)
	Copper	0.00036 (J)	< 0.0017	< 0.00019	< 0.0017	0.00049 (J)	< 0.0017	0.00022 (J)	< 0.0017
	Lead	0.00030 (J)	< 0.000036	< 0.000046	< 0.000036	< 0.000046	0.000067 (J)	0.000059 (J)	< 0.000036
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.00071 (J)	< 0.00069	< 0.00031	< 0.00069	0.00099 (J)	0.0014 (J)	0.0010 (J)	0.00083 (J)
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	< 0.000052	< 0.00014	0.000071 (J)	< 0.00014	0.000072 (J)	0.00016 (J)
Vanadium	0.00096 (J)	< 0.0022	< 0.00071	< 0.0022	0.00085 (J)	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0072 (J)	< 0.0035	0.0023 (J)	< 0.0035	0.0044 (J)	0.0063 (J)	0.0029 (J)	0.0037 (J)	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.

TABLE 9
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 3 & 4

Substance		Well ID						
		GWC-23R	GWC-23R	GWC-24R	GWC-24R	GWC-25R	GWC-25R	Spring
		3/5/2020	9/9/2020	3/3/2020	9/9/2020	3/3/2020	9/4/2020	3/6/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	< 0.00027	< 0.00028	< 0.00027	0.00094 (J)	< 0.00027	0.0013 (J)	< 0.00027
	Arsenic	< 0.00035	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078	0.00041 (J)
	Barium	0.022	0.036	0.020	0.024	0.015	0.016	0.039
	Beryllium	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011
	Chromium	0.00086 (J)	< 0.00055	0.00052 (J)	< 0.00055	0.00078 (J)	0.00073 (J)	0.0033 (J)
	Cobalt	< 0.00030	< 0.00038	< 0.00030	< 0.00038	< 0.00030	0.0012 (J)	0.00051 (J)
	Copper	0.00030 (J)	< 0.0017	0.00097 (J)	0.0017 (J)	0.00027 (J)	< 0.0017	0.0015 (J)
	Lead	0.000052 (J)	< 0.000036	0.000057 (J)	0.00010 (J)	0.000059 (J)	0.00012 (J)	0.00071 (J)
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014
	Nickel	0.00075 (J)	< 0.00069	< 0.00031	< 0.00069	< 0.00031	< 0.00069	0.0014 (J)
	Selenium	< 0.0013	0.0017 (J)	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028
	Thallium	0.00018 (J)	0.00016 (J)	< 0.000052	< 0.00014	< 0.000052	< 0.00014	< 0.000052
Vanadium	0.00071 (J)	< 0.0022	0.0011 (J)	< 0.0022	< 0.00071	< 0.0022	0.0032 (J)	
Zinc	0.0084 (J)	< 0.0035	0.0033 (J)	0.0048 (J)	0.0027 (J)	< 0.0035	0.0064 (J)	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.

TABLE 10
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 9 & 10

Substance		Well ID							
		GWA-39RZ	GWA-39RZ	GWA-39Z	GWA-39Z	GWA-40	GWA-40	GWA-41	GWA-41
		3/9/2020	9/16/2020	3/9/2020	9/10/2020	3/9/2020	9/11/2020	3/6/2020	9/10/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.0013 (J)	0.0028 (J)	0.0011 (J)	0.00030 (J)	< 0.00027	< 0.00028	< 0.00027	< 0.00028
	Arsenic	0.00083 (J)	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078
	Barium	0.017	0.027	0.0072 (J)	0.0042 (J)	0.0088 (J)	0.0079 (J)	0.022	0.024
	Beryllium	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.0016 (J)	0.00058 (J)	0.069	< 0.00055	0.00090 (J)	< 0.00055	0.015	< 0.00055
	Cobalt	< 0.00030	< 0.00038	0.00075 (J)	< 0.00038	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	0.011 (J)	< 0.0017	0.00070 (J)	< 0.0017	< 0.00019	< 0.0017	0.00093 (J)	< 0.0017
	Lead	0.00027 (J)	0.00050 (J)	0.000055 (J)	< 0.000036	0.000095 (J)	< 0.000036	0.000091 (J)	< 0.000036
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.00083 (J)	< 0.00069	0.040	< 0.00069	< 0.00031	< 0.00069	0.0089 (J)	< 0.00069
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	< 0.000052	< 0.00014	0.000078 (J)	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0090 (J)	< 0.0035	0.0035 (J)	< 0.0035	0.0020 (J)	< 0.0035	0.0027 (J)	< 0.0035	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.
5. NA indicates substance was not analyzed

TABLE 10
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 9 & 10

Substance		Well ID							
		GWA-41R	GWA-41R	GWA-42	GWA-42	GWA-43	GWA-43	GWA-43R	GWA-43R
		3/9/2020	9/10/2020	3/6/2020	9/10/2020	3/9/2020	9/11/2020	3/9/2020	9/14/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.0037	0.0019 (J)	< 0.00027	< 0.00028	0.00062 (J)	< 0.00028	0.00037 (J)	< 0.00028
	Arsenic	< 0.00035	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078	< 0.00035	< 0.00078
	Barium	0.031	0.031	0.0066 (J)	0.0059 (J)	0.012	0.024	0.0069 (J)	0.0075 (J)
	Beryllium	< 0.000074	< 0.000046	0.00017 (J)	0.00014 (J)	< 0.000074	0.000069 (J)	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	0.00014 (J)	0.00015 (J)	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.00040 (J)	< 0.00055	0.00045 (J)	< 0.00055	0.0033 (J)	< 0.00055	0.0014 (J)	0.0011 (J)
	Cobalt	< 0.00030	< 0.00038	0.00039 (J)	< 0.00038	0.00039 (J)	< 0.00038	< 0.00030	< 0.00038
	Copper	0.0014 (J)	< 0.0017	0.00019 (J)	< 0.0017	0.00035 (J)	< 0.0017	0.00035 (J)	< 0.0017
	Lead	0.000049 (J)	< 0.000036	0.00011 (J)	< 0.000036	0.000091 (J)	0.000046 (J)	0.000096 (J)	0.000066 (J)
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.00036 (J)	< 0.00069	0.0015 (J)	0.0011 (J)	0.00082 (J)	0.00089 (J)	< 0.00031	< 0.00069
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	0.000061 (J)	< 0.00014	0.000086 (J)	< 0.00014	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	0.00074 (J)	< 0.0022	
Zinc	0.0024 (J)	< 0.0035	0.012	0.0073 (J)	0.0020 (J)	< 0.0035	0.0022 (J)	< 0.0035	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.
5. NA indicates substance was not analyzed

TABLE 10
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 9 & 10

Substance	Well ID									
	GWC-44	GWC-44	GWC-45	GWC-45	GWC-45	GWC-45R	GWC-45R	GWC-46R	GWC-46R	
	3/10/2020	9/15/2020	3/10/2020	9/11/2020	12/15/2020	3/10/2020	9/11/2020	3/10/2020	9/14/2020	
GEORGIA SOLID WASTE PERMIT METALS	Antimony	< 0.00027	< 0.00028	0.00087 (J)	0.0076	0.0014 (J)	< 0.00027	0.00043 (J)	< 0.00027	< 0.00028
	Arsenic	0.0013 (J)	< 0.00078	< 0.00035	< 0.00078	NA	< 0.00035	< 0.00078	< 0.00035	< 0.00078
	Barium	0.059	0.035	0.0061 (J)	0.0060 (J)	NA	0.024	0.021	0.013	0.013
	Beryllium	0.000074 (J)	0.000057 (J)	< 0.000074	< 0.000046	NA	< 0.000074	0.000056 (J)	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012	< 0.00011	< 0.00012	NA	< 0.00011	< 0.00012	< 0.00011	< 0.00012
	Chromium	0.00074 (J)	< 0.00055	0.00070 (J)	< 0.00055	NA	0.00092 (J)	0.00067 (J)	0.0035 (J)	0.0060 (J)
	Cobalt	0.0021 (J)	0.0015 (J)	0.0012 (J)	0.0012 (J)	NA	< 0.00030	< 0.00038	< 0.00030	< 0.00038
	Copper	0.00067 (J)	< 0.0017	0.00031 (J)	< 0.0017	NA	< 0.00019	< 0.0017	< 0.00019	< 0.0017
	Lead	0.00066 (J)	0.00045 (J)	0.00014 (J)	0.00012 (J)	NA	< 0.000046	< 0.000036	< 0.000046	< 0.000036
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	NA	< 0.00014	< 0.000078	< 0.00014	< 0.000078
	Nickel	0.00086 (J)	< 0.00069	0.0012 (J)	0.00099 (J)	NA	< 0.00031	< 0.00069	< 0.00031	< 0.00069
	Selenium	0.0063 (J)	< 0.0016	< 0.0013	< 0.0016	NA	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	NA	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	< 0.000052	< 0.00014	NA	< 0.000052	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	< 0.00071	< 0.0022	NA	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.0049 (J)	0.0062 (J)	0.0031 (J)	< 0.0035	NA	0.0035 (J)	< 0.0035	0.0029 (J)	< 0.0035	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.
5. NA indicates substance was not analyzed

TABLE 10
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 9 & 10

Substance		Well ID							
		GWC-47	GWC-47	GWC-47R	GWC-47R	GWC-48	GWC-48	GWC-49R	GWC-49R
		3/9/2020	9/14/2020	3/9/2020	9/15/2020	3/9/2020	9/14/2020	3/11/2020	9/11/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.00032 (J)	< 0.00028	0.00056 (J)	0.00053 (J)	< 0.00027	< 0.00028	0.0012 (J)	0.0011 (J)
	Arsenic	< 0.00035	< 0.00078	0.00051 (J)	< 0.00078	< 0.00035	< 0.00078	0.00041 (J)	< 0.00078
	Barium	0.0089 (J)	0.0082 (J)	0.0082 (J)	0.0084 (J)	0.029	0.035	0.026	0.012
	Beryllium	< 0.000074	< 0.000046	< 0.000074	< 0.000046	0.00028 (J)	0.00033 (J)	< 0.000074	< 0.000046
	Cadmium	0.00015 (J)	0.00014 (J)	< 0.00011	< 0.00012	0.00016 (J)	0.00019 (J)	< 0.00011	< 0.00012
	Chromium	0.0012 (J)	0.0022 (J)	0.0023 (J)	0.0017 (J)	0.0023 (J)	0.0024 (J)	0.0012 (J)	< 0.00055
	Cobalt	< 0.00030	< 0.00038	< 0.00030	< 0.00038	0.0016 (J)	0.0017 (J)	< 0.00030	< 0.00038
	Copper	< 0.00019	< 0.0017	0.00032 (J)	< 0.0017	0.00035 (J)	< 0.0017	< 0.00019	< 0.0017
	Lead	0.000058 (J)	< 0.000036	0.000080 (J)	< 0.000036	< 0.000046	< 0.000036	< 0.000046	< 0.000036
	Mercury	< 0.00014	< 0.000078	< 0.00014	< 0.000078	< 0.00014	0.00015 (J)	< 0.00014	< 0.000078
	Nickel	< 0.00031	< 0.00069	< 0.00031	< 0.00069	0.0039 (J)	0.0046 (J)	0.00040 (J)	< 0.00069
	Selenium	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014	0.00021 (J)	0.00016 (J)	0.000090 (J)	< 0.00014	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	0.00075 (J)	< 0.0022	< 0.00071	< 0.0022	< 0.00071	< 0.0022	
Zinc	0.044	0.032	0.032	0.028	0.0079 (J)	0.0076 (J)	0.0036 (J)	< 0.0035	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.
5. NA indicates substance was not analyzed

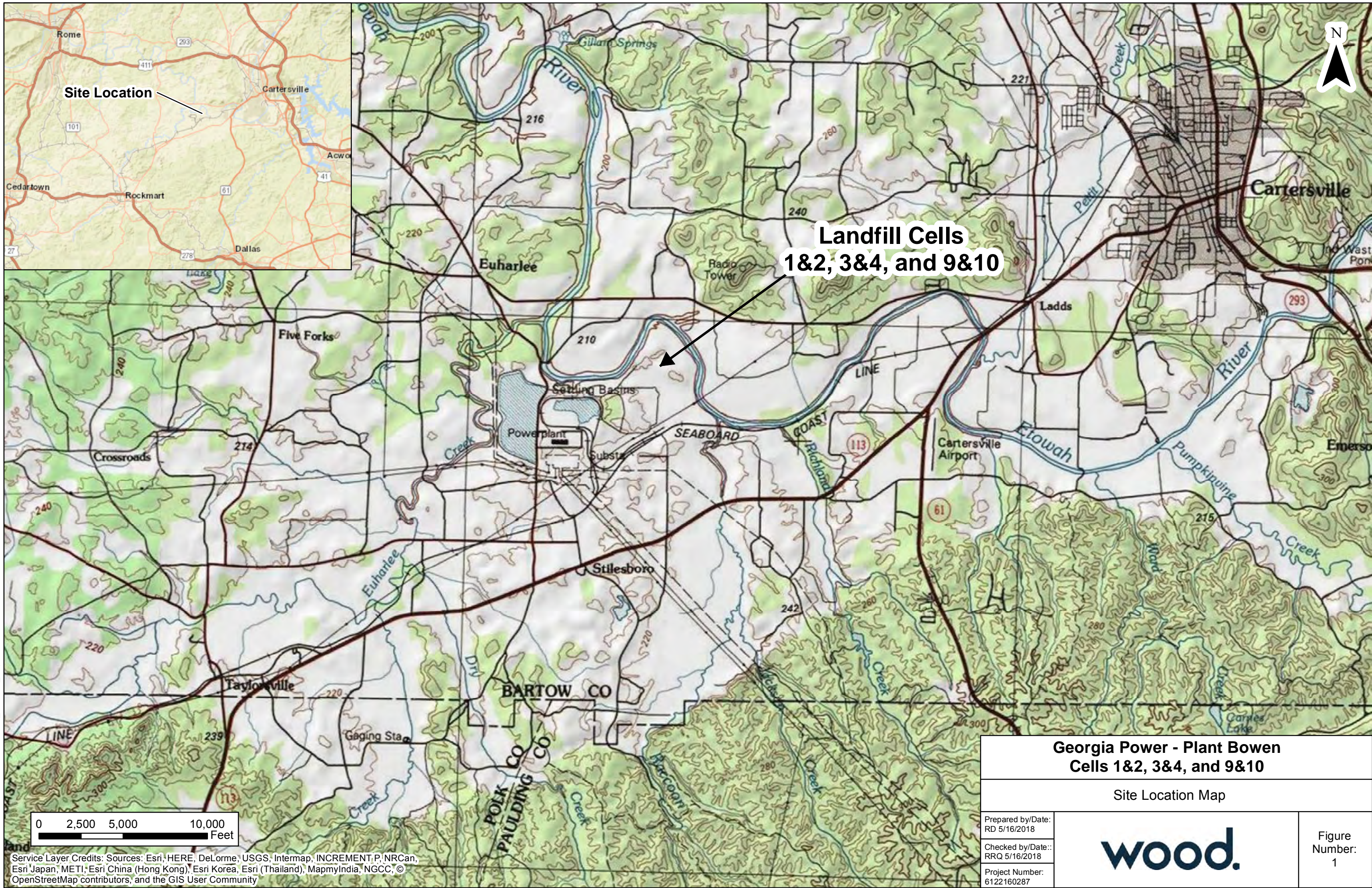
TABLE 10
ANALYTICAL DATA SUMMARY
Solid Waste Permit Metals
(2020)
Landfill Cells 9 & 10

Substance		Well ID	
		GWC-49Z	GWC-49Z
		3/9/2020	9/14/2020
GEORGIA SOLID WASTE PERMIT METALS	Antimony	0.0018 (J)	0.0017 (J)
	Arsenic	< 0.00035	< 0.00078
	Barium	0.0045 (J)	0.0027 (J)
	Beryllium	< 0.000074	< 0.000046
	Cadmium	< 0.00011	< 0.00012
	Chromium	0.00096 (J)	< 0.00055
	Cobalt	0.0028 (J)	0.0014 (J)
	Copper	0.00035 (J)	< 0.0017
	Lead	0.00017 (J)	0.000078 (J)
	Mercury	< 0.00014	< 0.000078
	Nickel	0.0030 (J)	0.0014 (J)
	Selenium	< 0.0013	< 0.0016
	Silver	< 0.00028	< 0.00036
	Thallium	< 0.000052	< 0.00014
Vanadium	< 0.00071	< 0.0022	
Zinc	0.0047 (J)	0.0042 (J)	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the analytical method detection limit shown.
3. (J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Bolded and shaded cells indicate concentration above maximum contaminant level.
5. NA indicates substance was not analyzed

FIGURES



**Landfill Cells
1&2, 3&4, and 9&10**

**Georgia Power - Plant Bowen
Cells 1&2, 3&4, and 9&10**

Site Location Map

Prepared by/Date:
RD 5/16/2018
Checked by/Date:
RRQ 5/16/2018
Project Number:
6122160287



Figure
Number:
1

0 2,500 5,000 10,000
Feet

Document Path: G:\Bowen\MXD\Event 10\Site_Location_Map.mxd

Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Legend

● Spring Sampling Location

Well Location

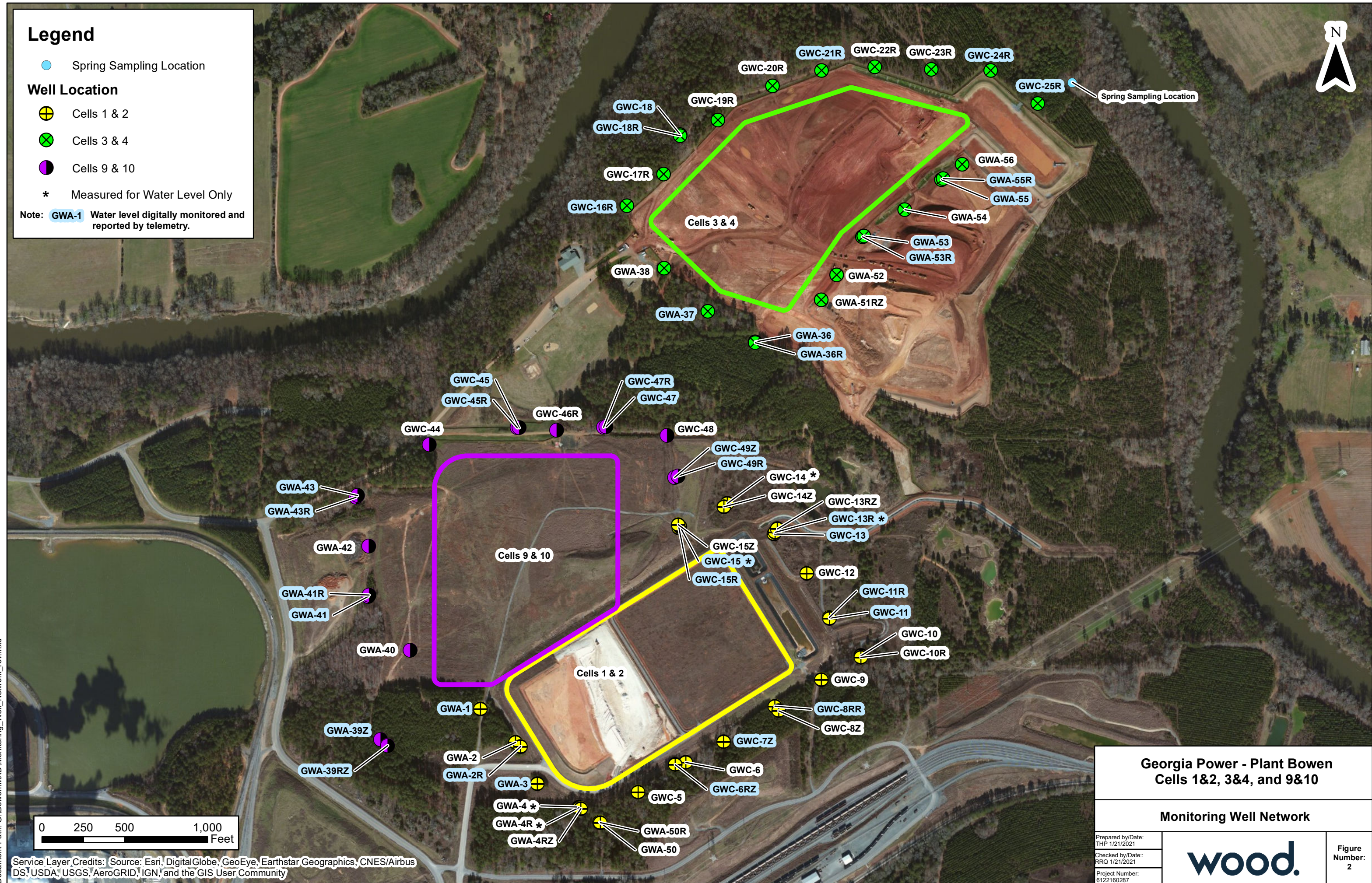
⊕ Cells 1 & 2

⊗ Cells 3 & 4

⊙ Cells 9 & 10

* Measured for Water Level Only

Note: **GWA-1** Water level digitally monitored and reported by telemetry.



**Georgia Power - Plant Bowen
Cells 1&2, 3&4, and 9&10**

Monitoring Well Network

Prepared by/Date:
THP 1/21/2021
Checked by/Date:
RRQ 1/21/2021
Project Number:
6122160287



Figure Number:
2

Document Path: G:\Bowen\MXD\Monitoring_Well_Network_rev.mxd

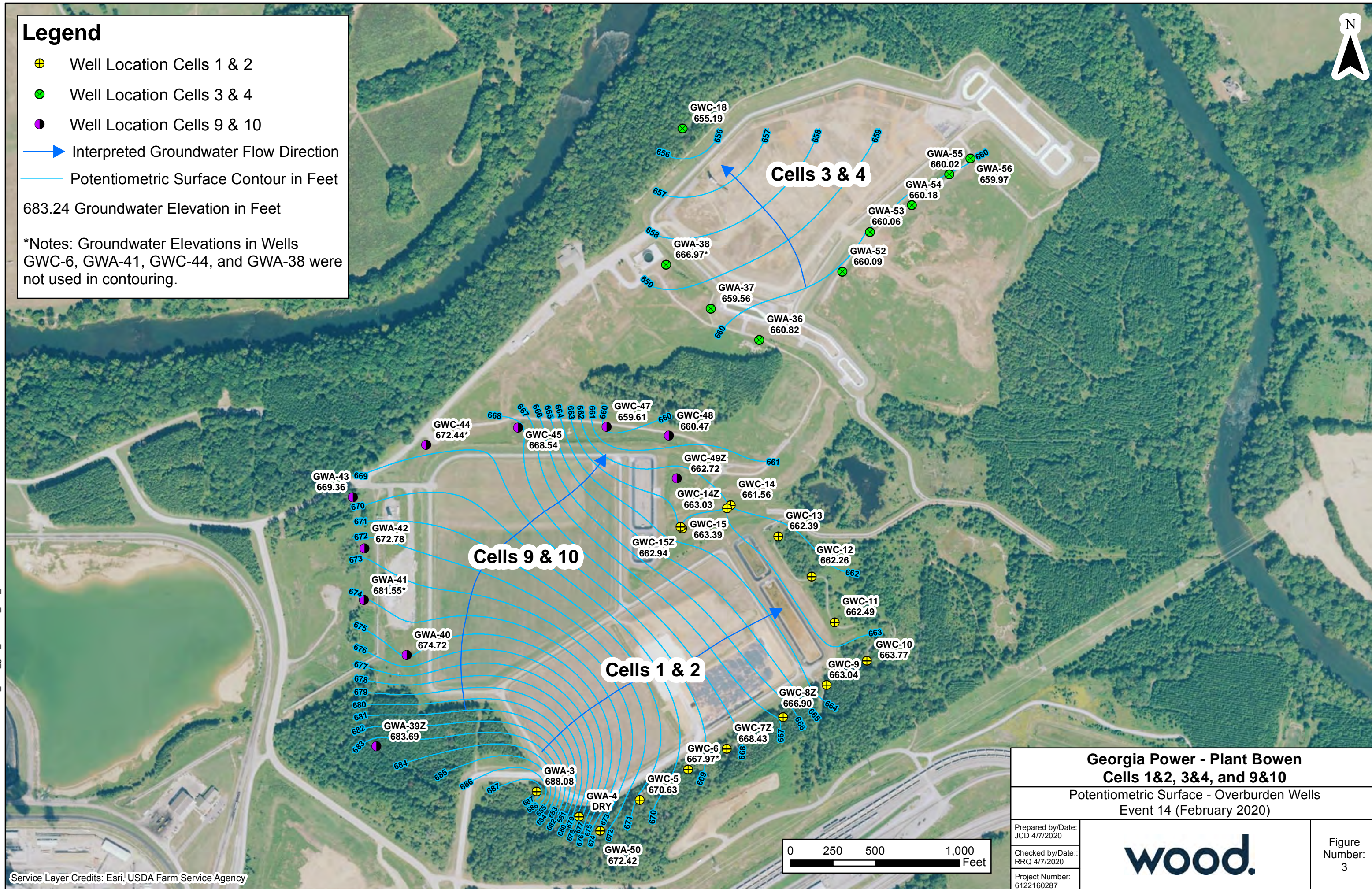
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- ⊕ Well Location Cells 1 & 2
- ⊕ Well Location Cells 3 & 4
- Well Location Cells 9 & 10
- ➔ Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour in Feet

683.24 Groundwater Elevation in Feet

*Notes: Groundwater Elevations in Wells
 GWC-6, GWA-41, GWC-44, and GWA-38 were
 not used in contouring.



Georgia Power - Plant Bowen			Figure Number: 3
Cells 1&2, 3&4, and 9&10			
Potentiometric Surface - Overburden Wells Event 14 (February 2020)			
Prepared by/Date: JCD 4/7/2020	Checked by/Date: RRQ 4/7/2020		
Project Number: 6122160287			

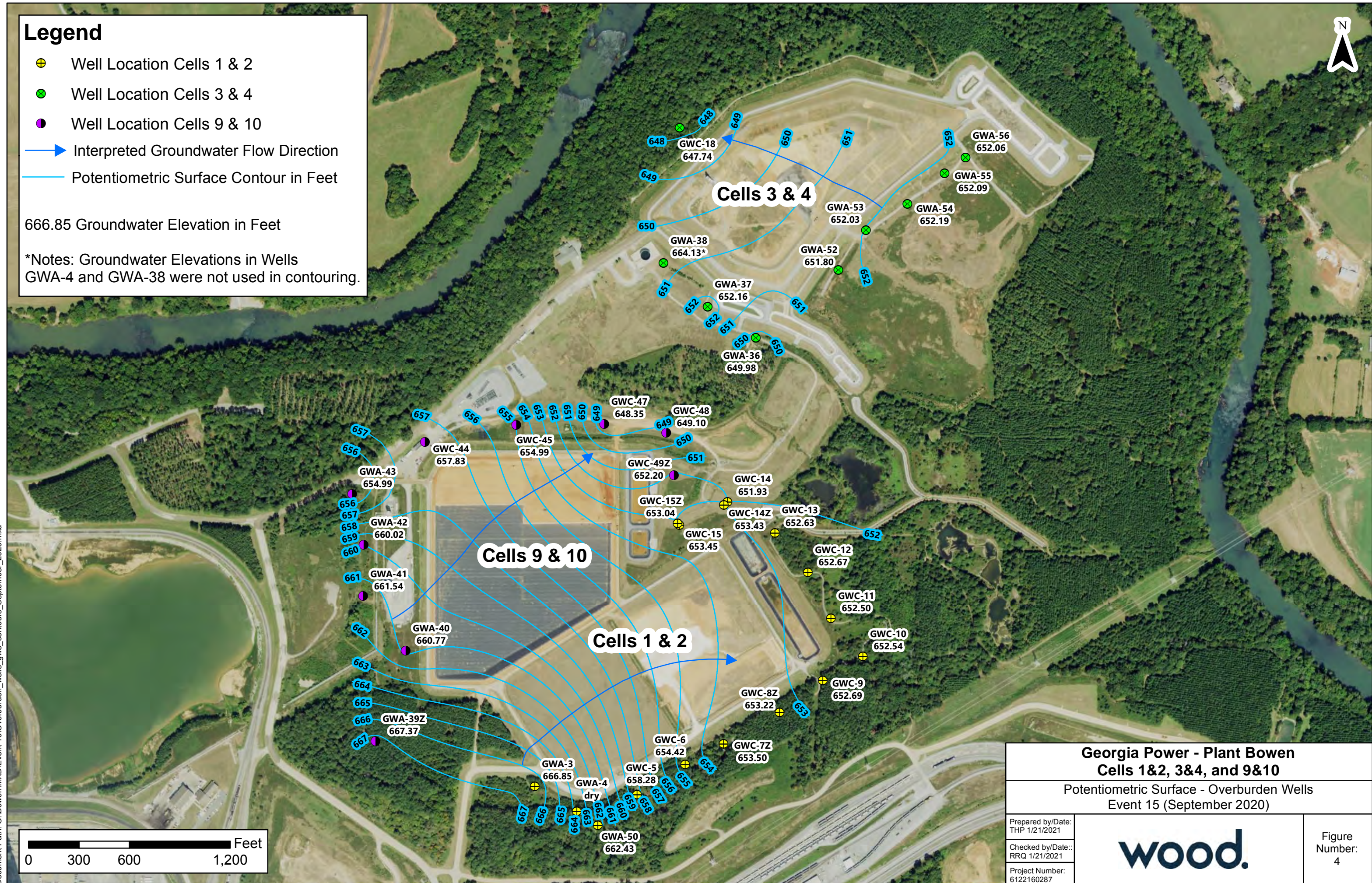
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Legend

- ⊕ Well Location Cells 1 & 2
- ⊕ Well Location Cells 3 & 4
- ⊕ Well Location Cells 9 & 10
- ➔ Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour in Feet

666.85 Groundwater Elevation in Feet

*Notes: Groundwater Elevations in Wells
GWA-4 and GWA-38 were not used in contouring.



Georgia Power - Plant Bowen		
Cells 1&2, 3&4, and 9&10		
Potentiometric Surface - Overburden Wells Event 15 (September 2020)		
Prepared by/Date: THP 1/21/2021		Figure Number: 4
Checked by/Date: RRQ 1/21/2021		
Project Number: 6122160287		

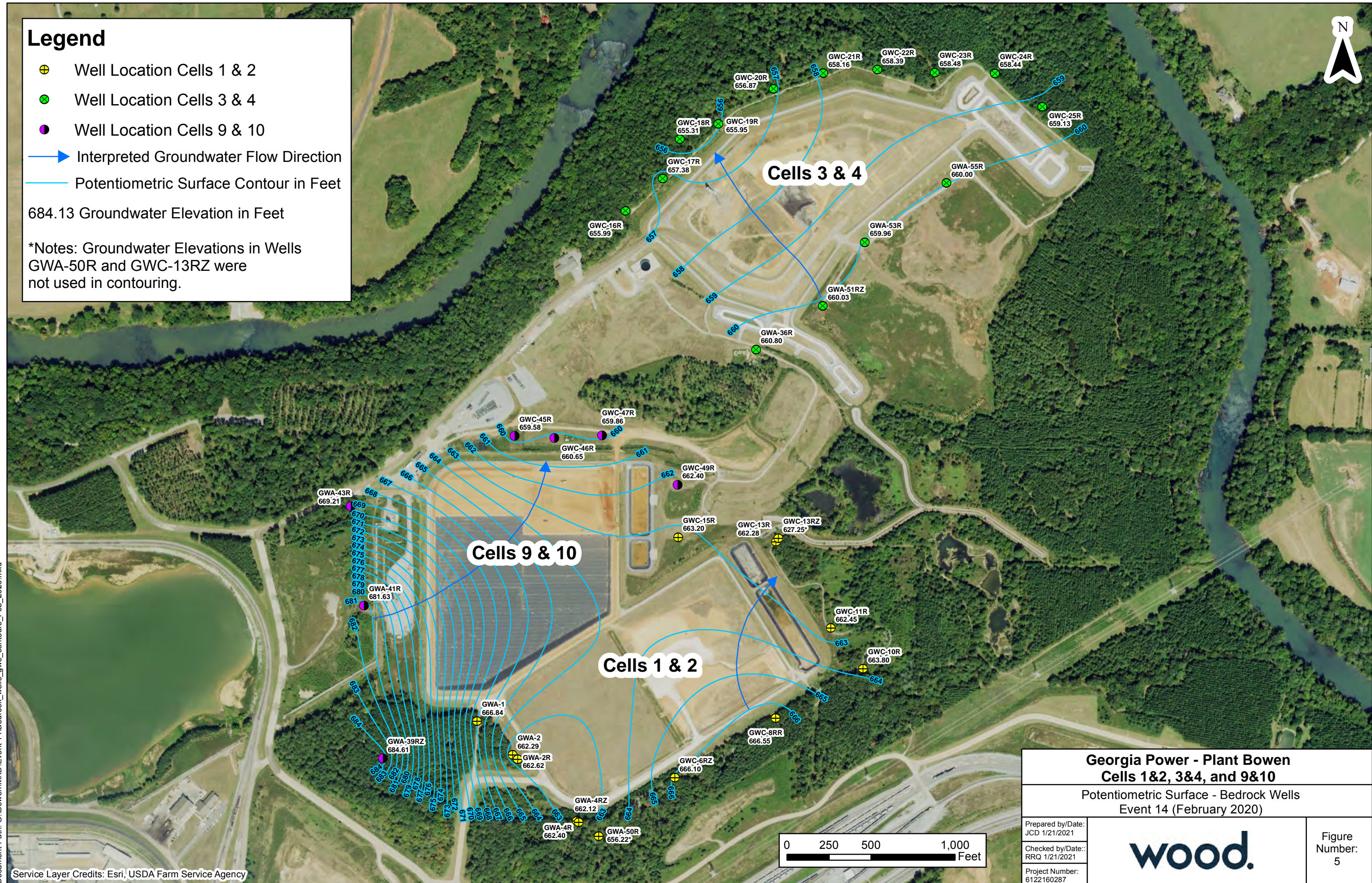
Document Path: G:\Bowen\MD\Event 15\Overburden_wells_gwe_contours_September_2020.mxd

Legend

- ⊕ Well Location Cells 1 & 2
- ⊕ Well Location Cells 3 & 4
- ⊕ Well Location Cells 9 & 10
- ➔ Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour in Feet

684.13 Groundwater Elevation in Feet

*Notes: Groundwater Elevations in Wells GWA-50R and GWC-13RZ were not used in contouring.



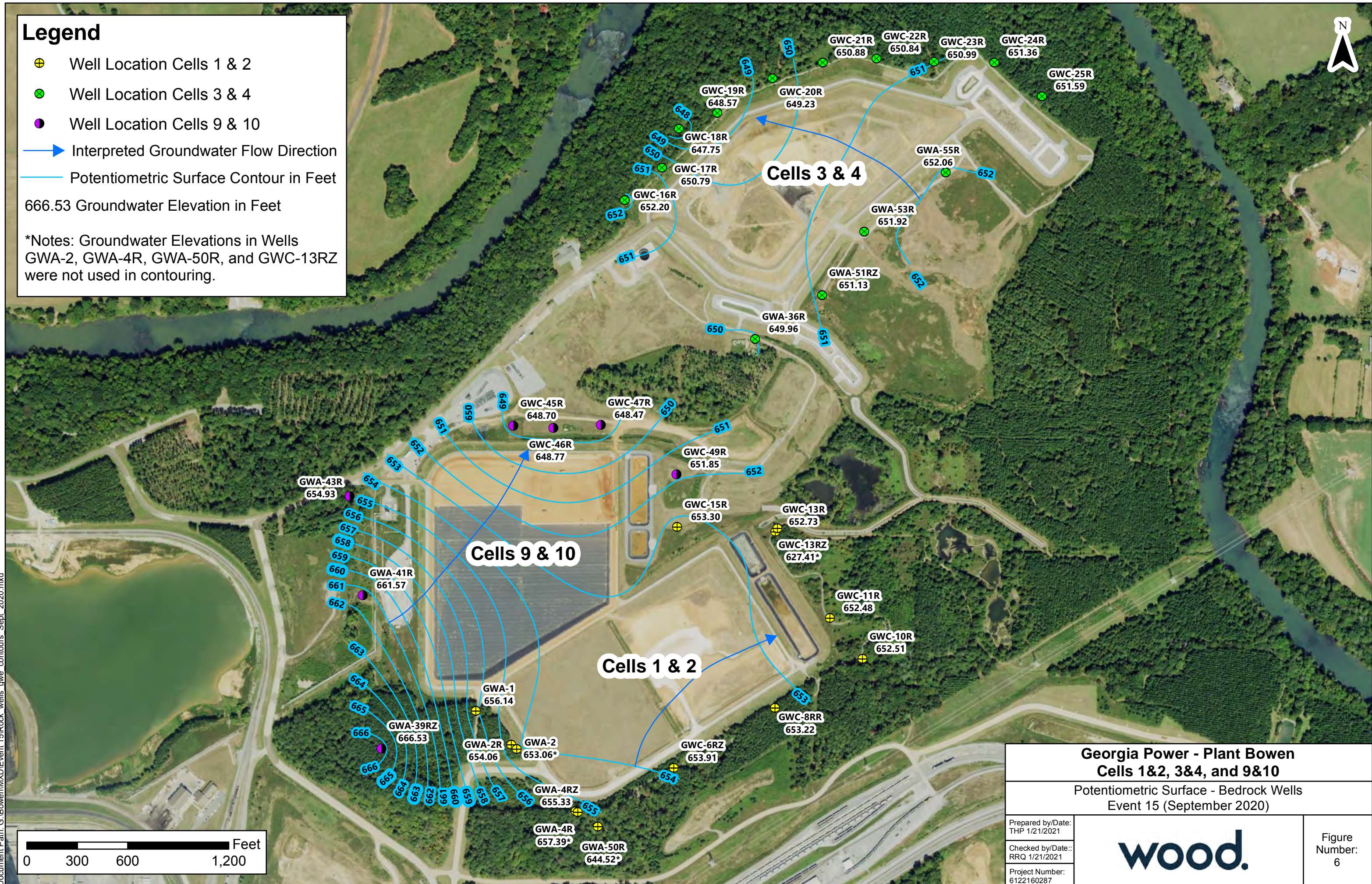
Georgia Power - Plant Bowen Cells 1&2, 3&4, and 9&10	
Potentiometric Surface - Bedrock Wells Event 14 (February 2020)	
Prepared by/Date: JCD 1/21/2021	
Checked by/Date: RRQ 1/21/2021	
Project Number: 6122160287	
Figure Number: 5	

Legend

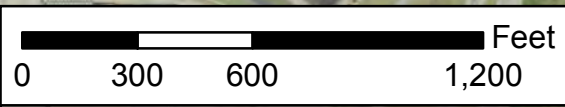
- ⊕ Well Location Cells 1 & 2
- ⊗ Well Location Cells 3 & 4
- ⊗ Well Location Cells 9 & 10
- ➔ Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour in Feet

666.53 Groundwater Elevation in Feet

*Notes: Groundwater Elevations in Wells GWA-2, GWA-4R, GWA-50R, and GWC-13RZ were not used in contouring.



Document Path: G:\Bowen\MXD\Event15\Rock_wells_gwe_contours_Sept_2020.mxd



Georgia Power - Plant Bowen		
Cells 1&2, 3&4, and 9&10		
Potentiometric Surface - Bedrock Wells Event 15 (September 2020)		
Prepared by/Date: THP 1/21/2021		Figure Number: 6
Checked by/Date: RRQ 1/21/2021		
Project Number: 6122160287		

APPENDIX A
LABORATORY ANALYTICAL DATA AND FIELD
SAMPLING REPORTS FOR 2020

April 01, 2020

Joju Abraham
Georgia Power - Coal Combustion Residuals
2480 Maner Road
Atlanta, GA 30339

RE: Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between March 13, 2020 and March 18, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Atlanta, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Herring
kevin.herring@pacelabs.com
(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Michelle Barker, Wood E&I Solutions, Inc.
Kristen Jurinko
Lauren Petty, Southern Company Services, Inc.
Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw
Greg Wrenn, Wood PLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Pace Analytical Services Atlanta

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

Massachusetts Certification #: M-NC030

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2630125001	GWC-13	Water	03/13/20 12:22	03/13/20 15:31
2630125002	GWC-14Z	Water	03/13/20 13:31	03/13/20 15:31
2630125003	GWC-15R	Water	03/13/20 12:24	03/13/20 15:31
2630125004	GWC-15Z	Water	03/13/20 09:56	03/13/20 15:31
2630125008	GWA-1	Water	03/11/20 10:22	03/14/20 09:00
2630125009	GWA-2	Water	03/11/20 11:32	03/14/20 09:00
2630125010	GWA-2R	Water	03/11/20 12:46	03/14/20 09:00
2630125011	GWA-3	Water	03/11/20 15:46	03/14/20 09:00
2630125012	GWA-50	Water	03/11/20 13:38	03/14/20 09:00
2630125013	GWA-50R	Water	03/11/20 14:53	03/14/20 09:00
2630125014	GWA-4RZ	Water	03/12/20 10:06	03/14/20 09:00
2630125015	GWC-6	Water	03/12/20 11:42	03/14/20 09:00
2630125016	GWC-6RZ	Water	03/12/20 10:24	03/14/20 09:00
2630125017	GWC-7Z	Water	03/12/20 13:32	03/14/20 09:00
2630125018	GWC-8RR	Water	03/12/20 15:40	03/14/20 09:00
2630125019	GWC-9	Water	03/12/20 14:58	03/14/20 09:00
2630125020	GWC-10	Water	03/12/20 12:31	03/14/20 09:00
2630125021	GWC-10R	Water	03/12/20 13:36	03/14/20 09:00
2630125022	GWC-11	Water	03/12/20 14:56	03/14/20 09:00
2630125023	GWC-11R	Water	03/12/20 16:09	03/14/20 09:00
2630125024	GWC-12	Water	03/12/20 16:26	03/14/20 09:00
2630125025	GWC-5	Water	03/16/20 12:39	03/18/20 15:37
2630125026	GWC-8Z	Water	03/16/20 10:46	03/18/20 15:37
2630125027	GWC-13RZ	Water	03/17/20 12:56	03/18/20 15:37

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2630125001	GWC-13	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125002	GWC-14Z	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125003	GWC-15R	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125004	GWC-15Z	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125008	GWA-1	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125009	GWA-2	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125010	GWA-2R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125011	GWA-3	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2630125012	GWA-50	EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2630125013	GWA-50R	SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125014	GWA-4RZ	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
2630125015	GWC-6	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
2630125016	GWC-6RZ	EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
2630125017	GWC-7Z	EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2630125018	GWC-8RR	SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2630125019	GWC-9	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125020	GWC-10	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125021	GWC-10R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125022	GWC-11	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125023	GWC-11R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125024	GWC-12	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125025	GWC-5	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125026	GWC-8Z	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
2630125027	GWC-13RZ	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Atlanta, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2630125001	GWC-13					
	Field pH	7.25	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	33.0	mg/L	1.0	03/24/20 18:06	
EPA 6020B	Antimony	0.0023J	mg/L	0.0030	03/24/20 17:50	B
EPA 6020B	Arsenic	0.00096J	mg/L	0.0050	03/24/20 17:50	
EPA 6020B	Barium	0.023	mg/L	0.010	03/24/20 17:50	
EPA 6020B	Beryllium	0.000080J	mg/L	0.0030	03/24/20 17:50	
EPA 6020B	Boron	0.014J	mg/L	0.040	03/24/20 17:50	
EPA 6020B	Chromium	0.0054J	mg/L	0.010	03/24/20 17:50	B
EPA 6020B	Copper	0.00033J	mg/L	0.025	03/24/20 17:50	
EPA 6020B	Lead	0.00013J	mg/L	0.0050	03/24/20 17:50	
EPA 6020B	Selenium	0.0019J	mg/L	0.010	03/24/20 17:50	
EPA 6020B	Vanadium	0.0020J	mg/L	0.010	03/24/20 17:50	
EPA 6020B	Zinc	0.0043J	mg/L	0.010	03/24/20 17:50	B
SM 2540C	Total Dissolved Solids	143	mg/L	10.0	03/19/20 13:49	
EPA 300.0 Rev 2.1 1993	Chloride	3.3	mg/L	1.0	03/18/20 05:11	
EPA 300.0 Rev 2.1 1993	Sulfate	16.9	mg/L	1.0	03/18/20 05:11	
2630125002	GWC-14Z					
	Field pH	6.16	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	17.0	mg/L	1.0	03/24/20 18:09	
EPA 6020B	Antimony	0.00053J	mg/L	0.0030	03/24/20 17:55	B
EPA 6020B	Barium	0.017	mg/L	0.010	03/24/20 17:55	
EPA 6020B	Beryllium	0.00016J	mg/L	0.0030	03/24/20 17:55	
EPA 6020B	Boron	0.0081J	mg/L	0.040	03/24/20 17:55	
EPA 6020B	Chromium	0.00093J	mg/L	0.010	03/24/20 17:55	B
EPA 6020B	Nickel	0.00078J	mg/L	0.010	03/24/20 17:55	
EPA 6020B	Selenium	0.0016J	mg/L	0.010	03/24/20 17:55	
EPA 6020B	Zinc	0.0028J	mg/L	0.010	03/24/20 17:55	B
SM 2540C	Total Dissolved Solids	59.0	mg/L	10.0	03/20/20 19:11	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	03/18/20 05:26	
EPA 300.0 Rev 2.1 1993	Sulfate	11.1	mg/L	1.0	03/18/20 05:26	
2630125003	GWC-15R					
	Field pH	7.56	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	41.0	mg/L	1.0	03/24/20 18:13	
EPA 6020B	Antimony	0.00056J	mg/L	0.0030	03/24/20 18:01	B
EPA 6020B	Arsenic	0.00047J	mg/L	0.0050	03/24/20 18:01	
EPA 6020B	Barium	0.020	mg/L	0.010	03/24/20 18:01	
EPA 6020B	Boron	0.0064J	mg/L	0.040	03/24/20 18:01	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	03/24/20 18:01	B
EPA 6020B	Copper	0.00029J	mg/L	0.025	03/24/20 18:01	
EPA 6020B	Lead	0.00037J	mg/L	0.0050	03/24/20 18:01	
EPA 6020B	Nickel	0.00072J	mg/L	0.010	03/24/20 18:01	
EPA 6020B	Vanadium	0.00077J	mg/L	0.010	03/24/20 18:01	
EPA 6020B	Zinc	0.0057J	mg/L	0.010	03/24/20 18:01	B
SM 2540C	Total Dissolved Solids	169	mg/L	10.0	03/20/20 19:12	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	03/18/20 05:41	
EPA 300.0 Rev 2.1 1993	Sulfate	8.8	mg/L	1.0	03/18/20 05:41	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2630125004	GWC-15Z					
	Field pH	7.68	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	24.2	mg/L	1.0	03/24/20 20:26	M1
EPA 6020B	Arsenic	0.00052J	mg/L	0.0050	03/24/20 18:07	
EPA 6020B	Barium	0.014	mg/L	0.010	03/24/20 18:07	
EPA 6020B	Boron	0.0054J	mg/L	0.040	03/24/20 18:07	
EPA 6020B	Chromium	0.0012J	mg/L	0.010	03/24/20 18:07	B
EPA 6020B	Copper	0.00020J	mg/L	0.025	03/24/20 18:07	
EPA 6020B	Lead	0.000048J	mg/L	0.0050	03/24/20 18:07	
EPA 6020B	Vanadium	0.00095J	mg/L	0.010	03/24/20 18:07	
EPA 6020B	Zinc	0.0026J	mg/L	0.010	03/24/20 18:07	B
SM 2540C	Total Dissolved Solids	76.0	mg/L	10.0	03/20/20 19:12	
EPA 300.0 Rev 2.1 1993	Chloride	0.70J	mg/L	1.0	03/18/20 05:55	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	03/18/20 05:55	
2630125008	GWA-1					
	Field pH	7.51	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	31.8	mg/L	1.0	03/24/20 21:23	
EPA 6020B	Antimony	0.00079J	mg/L	0.0030	03/24/20 19:39	B
EPA 6020B	Arsenic	0.00088J	mg/L	0.0050	03/24/20 19:39	
EPA 6020B	Barium	0.016	mg/L	0.010	03/24/20 19:39	
EPA 6020B	Chromium	0.0012J	mg/L	0.010	03/24/20 19:39	B
EPA 6020B	Cobalt	0.00037J	mg/L	0.0050	03/24/20 19:39	
EPA 6020B	Nickel	0.00068J	mg/L	0.010	03/24/20 19:39	
EPA 6020B	Zinc	0.0035J	mg/L	0.010	03/24/20 19:39	B
SM 2540C	Total Dissolved Solids	172	mg/L	10.0	03/18/20 18:32	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	03/19/20 18:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.30	03/19/20 18:57	
EPA 300.0 Rev 2.1 1993	Sulfate	0.94J	mg/L	1.0	03/19/20 18:57	
2630125009	GWA-2					
	Field pH	6.56	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	66.6	mg/L	1.0	03/24/20 21:33	
EPA 6020B	Barium	0.035	mg/L	0.010	03/24/20 19:45	
EPA 6020B	Boron	0.0068J	mg/L	0.040	03/24/20 19:45	
EPA 6020B	Chromium	0.0025J	mg/L	0.010	03/24/20 19:45	B
EPA 6020B	Copper	0.00020J	mg/L	0.025	03/24/20 19:45	
EPA 6020B	Nickel	0.0014J	mg/L	0.010	03/24/20 19:45	
EPA 6020B	Selenium	0.0021J	mg/L	0.010	03/24/20 19:45	
EPA 6020B	Zinc	0.0028J	mg/L	0.010	03/24/20 19:45	B
SM 2540C	Total Dissolved Solids	309	mg/L	10.0	03/18/20 18:32	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	03/19/20 19:11	
EPA 300.0 Rev 2.1 1993	Sulfate	131	mg/L	3.0	03/20/20 14:38	
2630125010	GWA-2R					
	Field pH	7.09	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	46.8	mg/L	1.0	03/24/20 21:37	
EPA 6020B	Antimony	0.0020J	mg/L	0.0030	03/24/20 19:50	B
EPA 6020B	Arsenic	0.00044J	mg/L	0.0050	03/24/20 19:50	
EPA 6020B	Barium	0.027	mg/L	0.010	03/24/20 19:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2630125010	GWA-2R					
EPA 6020B	Boron	0.017J	mg/L	0.040	03/24/20 19:50	
EPA 6020B	Chromium	0.0042J	mg/L	0.010	03/24/20 19:50	B
EPA 6020B	Copper	0.0011J	mg/L	0.025	03/24/20 19:50	
EPA 6020B	Lead	0.000058J	mg/L	0.0050	03/24/20 19:50	
EPA 6020B	Nickel	0.0020J	mg/L	0.010	03/24/20 19:50	
EPA 6020B	Vanadium	0.00084J	mg/L	0.010	03/24/20 19:50	
EPA 6020B	Zinc	0.0038J	mg/L	0.010	03/24/20 19:50	B
SM 2540C	Total Dissolved Solids	170	mg/L	10.0	03/18/20 18:32	
EPA 300.0 Rev 2.1 1993	Chloride	0.60J	mg/L	1.0	03/19/20 19:25	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.30	03/19/20 19:25	
EPA 300.0 Rev 2.1 1993	Sulfate	34.3	mg/L	1.0	03/19/20 19:25	
2630125011	GWA-3					
	Field pH	5.31	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	1.0	mg/L	1.0	03/24/20 21:40	
EPA 6020B	Antimony	0.0045	mg/L	0.0030	03/25/20 19:42	
EPA 6020B	Barium	0.0041J	mg/L	0.010	03/25/20 19:42	
EPA 6020B	Boron	0.0071J	mg/L	0.040	03/25/20 19:42	
EPA 6020B	Chromium	0.00095J	mg/L	0.010	03/25/20 19:42	B
EPA 6020B	Cobalt	0.00041J	mg/L	0.0050	03/25/20 19:42	
EPA 6020B	Copper	0.027	mg/L	0.025	03/25/20 19:42	
EPA 6020B	Nickel	0.012	mg/L	0.010	03/25/20 19:42	
EPA 6020B	Zinc	0.031	mg/L	0.010	03/25/20 19:42	
SM 2540C	Total Dissolved Solids	24.0	mg/L	10.0	03/18/20 18:32	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	03/19/20 19:39	
2630125012	GWA-50					
	Field pH	5.57	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	1.6	mg/L	1.0	03/24/20 21:44	
EPA 6020B	Antimony	0.00050J	mg/L	0.0030	03/25/20 19:48	
EPA 6020B	Barium	0.0077J	mg/L	0.010	03/25/20 19:48	
EPA 6020B	Boron	0.0063J	mg/L	0.040	03/25/20 19:48	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	03/25/20 19:48	B
EPA 6020B	Copper	0.0026J	mg/L	0.025	03/25/20 19:48	
EPA 6020B	Nickel	0.00084J	mg/L	0.010	03/25/20 19:48	
EPA 6020B	Silver	0.00039J	mg/L	0.010	03/25/20 19:48	
EPA 6020B	Zinc	0.0025J	mg/L	0.010	03/25/20 19:48	
SM 2540C	Total Dissolved Solids	17.0	mg/L	10.0	03/18/20 18:32	
EPA 300.0 Rev 2.1 1993	Chloride	0.91J	mg/L	1.0	03/19/20 19:53	
2630125013	GWA-50R					
	Field pH	5.40	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	1.2	mg/L	1.0	03/24/20 21:47	
EPA 6020B	Barium	0.0095J	mg/L	0.010	03/25/20 15:56	
EPA 6020B	Boron	0.0070J	mg/L	0.040	03/25/20 15:56	
EPA 6020B	Copper	0.0035J	mg/L	0.025	03/25/20 15:56	
EPA 6020B	Nickel	0.0010J	mg/L	0.010	03/25/20 15:56	
EPA 6020B	Silver	0.0013J	mg/L	0.010	03/25/20 15:56	
EPA 6020B	Thallium	0.000059J	mg/L	0.0010	03/25/20 15:56	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2630125013	GWA-50R					
EPA 6020B	Zinc	0.0033J	mg/L	0.010	03/25/20 15:56	
SM 2540C	Total Dissolved Solids	24.0	mg/L	10.0	03/18/20 18:33	
EPA 300.0 Rev 2.1 1993	Chloride	0.73J	mg/L	1.0	03/19/20 20:07	
EPA 300.0 Rev 2.1 1993	Sulfate	0.85J	mg/L	1.0	03/19/20 20:07	
2630125014	GWA-4RZ					
	Field pH	7.55	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	54.2	mg/L	1.0	03/24/20 21:51	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	03/25/20 16:19	
EPA 6020B	Arsenic	0.0033J	mg/L	0.0050	03/25/20 16:19	
EPA 6020B	Barium	0.053	mg/L	0.010	03/25/20 16:19	
EPA 6020B	Boron	0.014J	mg/L	0.040	03/25/20 16:19	
EPA 6020B	Cobalt	0.013	mg/L	0.0050	03/25/20 16:19	
EPA 6020B	Copper	0.00020J	mg/L	0.025	03/25/20 16:19	
EPA 6020B	Nickel	0.00034J	mg/L	0.010	03/25/20 16:19	
EPA 6020B	Zinc	0.0027J	mg/L	0.010	03/25/20 16:19	
SM 2540C	Total Dissolved Solids	247	mg/L	10.0	03/18/20 18:34	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	03/19/20 20:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.18J	mg/L	0.30	03/19/20 20:49	
EPA 300.0 Rev 2.1 1993	Sulfate	20.8	mg/L	1.0	03/19/20 20:49	
2630125015	GWC-6					
	Field pH	7.40	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	16.2	mg/L	1.0	03/24/20 21:54	
EPA 6020B	Antimony	0.00052J	mg/L	0.0030	03/25/20 16:25	
EPA 6020B	Arsenic	0.00055J	mg/L	0.0050	03/25/20 16:25	
EPA 6020B	Barium	0.0075J	mg/L	0.010	03/25/20 16:25	
EPA 6020B	Boron	0.0061J	mg/L	0.040	03/25/20 16:25	
EPA 6020B	Chromium	0.0034J	mg/L	0.010	03/25/20 16:25	
EPA 6020B	Lead	0.00010J	mg/L	0.0050	03/25/20 16:25	
EPA 6020B	Zinc	0.0042J	mg/L	0.010	03/25/20 16:25	
SM 2540C	Total Dissolved Solids	42.0	mg/L	10.0	03/19/20 13:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	03/19/20 21:03	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	03/19/20 21:03	
2630125016	GWC-6RZ					
	Field pH	6.88	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	9.3	mg/L	1.0	03/24/20 21:58	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	03/25/20 16:30	
EPA 6020B	Barium	0.0072J	mg/L	0.010	03/25/20 16:30	
EPA 6020B	Beryllium	0.000093J	mg/L	0.0030	03/25/20 16:30	
EPA 6020B	Boron	0.0052J	mg/L	0.040	03/25/20 16:30	
EPA 6020B	Chromium	0.0028J	mg/L	0.010	03/25/20 16:30	
EPA 6020B	Copper	0.00028J	mg/L	0.025	03/25/20 16:30	
EPA 6020B	Lead	0.000070J	mg/L	0.0050	03/25/20 16:30	
EPA 6020B	Zinc	0.0032J	mg/L	0.010	03/25/20 16:30	
SM 2540C	Total Dissolved Solids	22.0	mg/L	10.0	03/19/20 13:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	03/19/20 21:45	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	03/19/20 21:45	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2630125017	GWC-7Z					
	Field pH	7.53	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	26.4	mg/L	1.0	03/25/20 18:22	M1
EPA 6020B	Antimony	0.00066J	mg/L	0.0030	03/25/20 16:36	
EPA 6020B	Arsenic	0.00044J	mg/L	0.0050	03/25/20 16:36	
EPA 6020B	Barium	0.022	mg/L	0.010	03/25/20 16:36	
EPA 6020B	Boron	0.0057J	mg/L	0.040	03/25/20 16:36	
EPA 6020B	Chromium	0.0014J	mg/L	0.010	03/25/20 16:36	
EPA 6020B	Cobalt	0.00031J	mg/L	0.0050	03/25/20 16:36	
EPA 6020B	Copper	0.00021J	mg/L	0.025	03/25/20 16:36	
EPA 6020B	Lead	0.000082J	mg/L	0.0050	03/25/20 16:36	
EPA 6020B	Nickel	0.00078J	mg/L	0.010	03/25/20 16:36	
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	03/25/20 16:36	
EPA 6020B	Zinc	0.0031J	mg/L	0.010	03/25/20 16:36	
SM 2540C	Total Dissolved Solids	86.0	mg/L	10.0	03/19/20 13:47	
EPA 300.0 Rev 2.1 1993	Chloride	0.72J	mg/L	1.0	03/19/20 21:59	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	03/19/20 21:59	
2630125018	GWC-8RR					
	Field pH	8.02	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	21.8	mg/L	1.0	03/25/20 18:36	
EPA 6020B	Antimony	0.00043J	mg/L	0.0030	03/25/20 16:57	
EPA 6020B	Arsenic	0.00039J	mg/L	0.0050	03/25/20 16:57	
EPA 6020B	Barium	0.014	mg/L	0.010	03/25/20 16:57	
EPA 6020B	Chromium	0.0031J	mg/L	0.010	03/25/20 16:57	
EPA 6020B	Lead	0.000056J	mg/L	0.0050	03/25/20 16:57	
EPA 6020B	Zinc	0.0020J	mg/L	0.010	03/25/20 16:57	
SM 2540C	Total Dissolved Solids	84.0	mg/L	10.0	03/19/20 13:47	
EPA 300.0 Rev 2.1 1993	Chloride	0.93J	mg/L	1.0	03/19/20 22:13	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	03/19/20 22:13	
2630125019	GWC-9					
	Field pH	4.82	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	1.8	mg/L	1.0	03/25/20 18:40	
EPA 6020B	Barium	0.044	mg/L	0.010	03/25/20 17:03	
EPA 6020B	Beryllium	0.00022J	mg/L	0.0030	03/25/20 17:03	
EPA 6020B	Boron	0.0058J	mg/L	0.040	03/25/20 17:03	
EPA 6020B	Chromium	0.00045J	mg/L	0.010	03/25/20 17:03	
EPA 6020B	Cobalt	0.00044J	mg/L	0.0050	03/25/20 17:03	
EPA 6020B	Copper	0.00031J	mg/L	0.025	03/25/20 17:03	
EPA 6020B	Lead	0.00016J	mg/L	0.0050	03/25/20 17:03	
EPA 6020B	Nickel	0.0011J	mg/L	0.010	03/25/20 17:03	
EPA 6020B	Zinc	0.0045J	mg/L	0.010	03/25/20 17:03	
SM 2540C	Total Dissolved Solids	16.0	mg/L	10.0	03/19/20 13:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	03/19/20 22:27	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	03/19/20 22:27	
2630125020	GWC-10					
	Field pH	6.43	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	18.6	mg/L	1.0	03/25/20 18:43	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2630125020	GWC-10					
EPA 6020B	Barium	0.026	mg/L	0.010	03/25/20 17:08	
EPA 6020B	Beryllium	0.00017J	mg/L	0.0030	03/25/20 17:08	
EPA 6020B	Chromium	0.00047J	mg/L	0.010	03/25/20 17:08	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	03/25/20 17:08	
EPA 6020B	Nickel	0.0015J	mg/L	0.010	03/25/20 17:08	
EPA 6020B	Zinc	0.0024J	mg/L	0.010	03/25/20 17:08	
SM 2540C	Total Dissolved Solids	63.0	mg/L	10.0	03/19/20 13:47	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	03/19/20 22:41	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	03/19/20 22:41	
2630125021	GWC-10R					
	Field pH	7.49	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	43.2	mg/L	1.0	03/25/20 18:47	
EPA 6020B	Barium	0.028	mg/L	0.010	03/25/20 17:14	
EPA 6020B	Boron	0.0050J	mg/L	0.040	03/25/20 17:14	
EPA 6020B	Nickel	0.00043J	mg/L	0.010	03/25/20 17:14	
EPA 6020B	Thallium	0.000054J	mg/L	0.0010	03/25/20 17:14	
EPA 6020B	Zinc	0.0027J	mg/L	0.010	03/25/20 17:14	
SM 2540C	Total Dissolved Solids	81.0	mg/L	10.0	03/19/20 13:48	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	03/19/20 22:55	
EPA 300.0 Rev 2.1 1993	Sulfate	0.99J	mg/L	1.0	03/19/20 22:55	
2630125022	GWC-11					
	Field pH	6.30	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	8.0	mg/L	1.0	03/25/20 18:50	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	03/27/20 19:48	
EPA 6020B	Barium	0.0086J	mg/L	0.010	03/27/20 19:48	
EPA 6020B	Chromium	0.00084J	mg/L	0.010	03/27/20 19:48	B
EPA 6020B	Copper	0.00023J	mg/L	0.025	03/27/20 19:48	
EPA 6020B	Lead	0.000052J	mg/L	0.0050	03/27/20 19:48	
EPA 6020B	Zinc	0.0038J	mg/L	0.010	03/27/20 19:48	
SM 2540C	Total Dissolved Solids	96.0	mg/L	10.0	03/19/20 13:48	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	03/20/20 06:54	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	03/20/20 06:54	
2630125023	GWC-11R					
	Field pH	7.60	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	32.5	mg/L	1.0	03/25/20 18:54	
EPA 6020B	Antimony	0.0010J	mg/L	0.0030	03/25/20 17:26	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	03/25/20 17:26	
EPA 6020B	Barium	0.021	mg/L	0.010	03/25/20 17:26	
EPA 6020B	Boron	0.0058J	mg/L	0.040	03/25/20 17:26	
EPA 6020B	Chromium	0.0042J	mg/L	0.010	03/25/20 17:26	
EPA 6020B	Copper	0.00032J	mg/L	0.025	03/25/20 17:26	
EPA 6020B	Lead	0.000046J	mg/L	0.0050	03/25/20 17:26	
EPA 6020B	Zinc	0.0053J	mg/L	0.010	03/25/20 17:26	
SM 2540C	Total Dissolved Solids	125	mg/L	10.0	03/19/20 13:48	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	03/20/20 07:08	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	03/20/20 07:08	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2630125024	GWC-12					
	Field pH	6.17	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	8.1	mg/L	1.0	03/25/20 19:04	
EPA 6020B	Arsenic	0.0053	mg/L	0.0050	03/25/20 17:31	
EPA 6020B	Barium	0.023	mg/L	0.010	03/25/20 17:31	
EPA 6020B	Cadmium	0.00089J	mg/L	0.0025	03/25/20 17:31	
EPA 6020B	Cobalt	0.0031J	mg/L	0.0050	03/25/20 17:31	
EPA 6020B	Nickel	0.0022J	mg/L	0.010	03/25/20 17:31	
EPA 6020B	Zinc	0.015	mg/L	0.010	03/25/20 17:31	
SM 2540C	Total Dissolved Solids	64.0	mg/L	10.0	03/19/20 13:48	
EPA 300.0 Rev 2.1 1993	Chloride	0.84J	mg/L	1.0	03/20/20 07:22	
2630125025	GWC-5					
	Field pH	6.88	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	12.1	mg/L	1.0	03/25/20 16:49	
EPA 6020B	Antimony	0.00031J	mg/L	0.0030	03/26/20 17:32	B
EPA 6020B	Barium	0.024	mg/L	0.010	03/26/20 17:32	
EPA 6020B	Beryllium	0.00048J	mg/L	0.0030	03/26/20 17:32	
EPA 6020B	Chromium	0.00078J	mg/L	0.010	03/26/20 17:32	
EPA 6020B	Cobalt	0.00031J	mg/L	0.0050	03/26/20 17:32	
EPA 6020B	Copper	0.012J	mg/L	0.025	03/26/20 17:32	
EPA 6020B	Lead	0.000051J	mg/L	0.0050	03/26/20 17:32	
EPA 6020B	Nickel	0.015	mg/L	0.010	03/26/20 17:32	
EPA 6020B	Zinc	0.047	mg/L	0.010	03/26/20 17:32	
SM 2540C	Total Dissolved Solids	20.0	mg/L	10.0	03/21/20 11:34	
EPA 300.0 Rev 2.1 1993	Chloride	0.67J	mg/L	1.0	03/21/20 21:20	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	03/21/20 21:20	
2630125026	GWC-8Z					
	Field pH	7.01	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	19.4	mg/L	1.0	03/25/20 16:52	
EPA 6020B	Barium	0.027	mg/L	0.010	03/26/20 17:38	
EPA 6020B	Chromium	0.0015J	mg/L	0.010	03/26/20 17:38	
EPA 6020B	Copper	0.00024J	mg/L	0.025	03/26/20 17:38	
EPA 6020B	Lead	0.00016J	mg/L	0.0050	03/26/20 17:38	
EPA 6020B	Nickel	0.00060J	mg/L	0.010	03/26/20 17:38	
EPA 6020B	Zinc	0.0073J	mg/L	0.010	03/26/20 17:38	B
SM 2540C	Total Dissolved Solids	76.0	mg/L	10.0	03/21/20 11:34	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	03/21/20 21:34	
EPA 300.0 Rev 2.1 1993	Sulfate	0.66J	mg/L	1.0	03/21/20 21:34	
2630125027	GWC-13RZ					
	Field pH	7.62	Std. Units		03/24/20 15:17	
EPA 6010D	Calcium	44.9	mg/L	1.0	03/25/20 20:08	
EPA 6020B	Antimony	0.00090J	mg/L	0.0030	03/26/20 17:43	B
EPA 6020B	Arsenic	0.00067J	mg/L	0.0050	03/26/20 17:43	
EPA 6020B	Barium	0.097	mg/L	0.010	03/26/20 17:43	
EPA 6020B	Boron	0.017J	mg/L	0.040	03/26/20 17:43	
EPA 6020B	Chromium	0.0020J	mg/L	0.010	03/26/20 17:43	
EPA 6020B	Copper	0.00045J	mg/L	0.025	03/26/20 17:43	

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SUMMARY OF DETECTION

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2630125027	GWC-13RZ					
EPA 6020B	Nickel	0.00082J	mg/L	0.010	03/26/20 17:43	
EPA 6020B	Zinc	0.0057J	mg/L	0.010	03/26/20 17:43	B
SM 2540C	Total Dissolved Solids	256	mg/L	10.0	03/21/20 11:36	
EPA 300.0 Rev 2.1 1993	Chloride	7.7	mg/L	1.0	03/21/20 21:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11J	mg/L	0.30	03/21/20 21:48	
EPA 300.0 Rev 2.1 1993	Sulfate	72.1	mg/L	1.0	03/21/20 21:48	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-13		Lab ID: 2630125001		Collected: 03/13/20 12:22		Received: 03/13/20 15:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.25	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	33.0	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 18:06	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.0023J	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 17:50	7440-36-0	B
Arsenic	0.00096J	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 17:50	7440-38-2	
Barium	0.023	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 17:50	7440-39-3	
Beryllium	0.000080J	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 17:50	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 17:50	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 17:50	7440-43-9	
Chromium	0.0054J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 17:50	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 17:50	7440-48-4	
Copper	0.00033J	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 17:50	7440-50-8	
Lead	0.00013J	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 17:50	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 17:50	7440-02-0	
Selenium	0.0019J	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 17:50	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 17:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 17:50	7440-28-0	
Vanadium	0.0020J	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 17:50	7440-62-2	
Zinc	0.0043J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 17:50	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	143	mg/L	10.0	10.0	1		03/19/20 13:49		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	3.3	mg/L	1.0	0.60	1		03/18/20 05:11	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/18/20 05:11	16984-48-8	
Sulfate	16.9	mg/L	1.0	0.50	1		03/18/20 05:11	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-14Z		Lab ID: 2630125002		Collected: 03/13/20 13:31		Received: 03/13/20 15:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.16	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	17.0	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 18:09	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.00053J	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 17:55	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 17:55	7440-38-2	
Barium	0.017	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 17:55	7440-39-3	
Beryllium	0.00016J	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 17:55	7440-41-7	
Boron	0.0081J	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 17:55	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 17:55	7440-43-9	
Chromium	0.00093J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 17:55	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 17:55	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 17:55	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 17:55	7439-92-1	
Nickel	0.00078J	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 17:55	7440-02-0	
Selenium	0.0016J	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 17:55	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 17:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 17:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 17:55	7440-62-2	
Zinc	0.0028J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 17:55	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	59.0	mg/L	10.0	10.0	1		03/20/20 19:11		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	4.2	mg/L	1.0	0.60	1		03/18/20 05:26	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/18/20 05:26	16984-48-8	
Sulfate	11.1	mg/L	1.0	0.50	1		03/18/20 05:26	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-15R		Lab ID: 2630125003		Collected: 03/13/20 12:24		Received: 03/13/20 15:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.56	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	41.0	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 18:13	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.00056J	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 18:01	7440-36-0	B
Arsenic	0.00047J	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 18:01	7440-38-2	
Barium	0.020	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 18:01	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 18:01	7440-41-7	
Boron	0.0064J	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 18:01	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 18:01	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 18:01	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 18:01	7440-48-4	
Copper	0.00029J	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 18:01	7440-50-8	
Lead	0.00037J	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 18:01	7439-92-1	
Nickel	0.00072J	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 18:01	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 18:01	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 18:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 18:01	7440-28-0	
Vanadium	0.00077J	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 18:01	7440-62-2	
Zinc	0.0057J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 18:01	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:33	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	169	mg/L	10.0	10.0	1		03/20/20 19:12		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		03/18/20 05:41	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/18/20 05:41	16984-48-8	
Sulfate	8.8	mg/L	1.0	0.50	1		03/18/20 05:41	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Sample: GWC-15Z		Lab ID: 2630125004		Collected: 03/13/20 09:56		Received: 03/13/20 15:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.68	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	24.2	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 20:26	7440-70-2	M1
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 18:07	7440-36-0	
Arsenic	0.00052J	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 18:07	7440-38-2	
Barium	0.014	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 18:07	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 18:07	7440-41-7	
Boron	0.0054J	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 18:07	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 18:07	7440-43-9	
Chromium	0.0012J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 18:07	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 18:07	7440-48-4	
Copper	0.00020J	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 18:07	7440-50-8	
Lead	0.000048J	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 18:07	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 18:07	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 18:07	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 18:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 18:07	7440-28-0	
Vanadium	0.00095J	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 18:07	7440-62-2	
Zinc	0.0026J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 18:07	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:36	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	76.0	mg/L	10.0	10.0	1		03/20/20 19:12		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.70J	mg/L	1.0	0.60	1		03/18/20 05:55	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/18/20 05:55	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		03/18/20 05:55	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Sample: GWA-1 **Lab ID: 2630125008** Collected: 03/11/20 10:22 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.51	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	31.8	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:23	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.00079J	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 19:39	7440-36-0	B
Arsenic	0.00088J	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 19:39	7440-38-2	
Barium	0.016	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 19:39	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 19:39	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 19:39	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 19:39	7440-43-9	
Chromium	0.0012J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 19:39	7440-47-3	B
Cobalt	0.00037J	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 19:39	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 19:39	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 19:39	7439-92-1	
Nickel	0.00068J	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 19:39	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 19:39	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 19:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 19:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 19:39	7440-62-2	
Zinc	0.0035J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 19:39	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:04	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	172	mg/L	10.0	10.0	1		03/18/20 18:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		03/19/20 18:57	16887-00-6	
Fluoride	0.052J	mg/L	0.30	0.050	1		03/19/20 18:57	16984-48-8	
Sulfate	0.94J	mg/L	1.0	0.50	1		03/19/20 18:57	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWA-2		Lab ID: 2630125009		Collected: 03/11/20 11:32		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.56	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	66.6	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:33	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 19:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 19:45	7440-38-2	
Barium	0.035	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 19:45	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 19:45	7440-41-7	
Boron	0.0068J	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 19:45	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 19:45	7440-43-9	
Chromium	0.0025J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 19:45	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 19:45	7440-48-4	
Copper	0.00020J	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 19:45	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 19:45	7439-92-1	
Nickel	0.0014J	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 19:45	7440-02-0	
Selenium	0.0021J	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 19:45	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 19:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 19:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 19:45	7440-62-2	
Zinc	0.0028J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 19:45	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:07	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	309	mg/L	10.0	10.0	1		03/18/20 18:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		03/19/20 19:11	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 19:11	16984-48-8	
Sulfate	131	mg/L	3.0	1.5	3		03/20/20 14:38	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWA-2R		Lab ID: 2630125010		Collected: 03/11/20 12:46		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.09	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	46.8	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:37	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.0020J	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 19:50	7440-36-0	B
Arsenic	0.00044J	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 19:50	7440-38-2	
Barium	0.027	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 19:50	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 19:50	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 19:50	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 19:50	7440-43-9	
Chromium	0.0042J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 19:50	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 19:50	7440-48-4	
Copper	0.0011J	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 19:50	7440-50-8	
Lead	0.000058J	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 19:50	7439-92-1	
Nickel	0.0020J	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 19:50	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 19:50	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 19:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 19:50	7440-28-0	
Vanadium	0.00084J	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 19:50	7440-62-2	
Zinc	0.0038J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 19:50	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	170	mg/L	10.0	10.0	1		03/18/20 18:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.60J	mg/L	1.0	0.60	1		03/19/20 19:25	16887-00-6	
Fluoride	0.052J	mg/L	0.30	0.050	1		03/19/20 19:25	16984-48-8	
Sulfate	34.3	mg/L	1.0	0.50	1		03/19/20 19:25	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWA-3		Lab ID: 2630125011		Collected: 03/11/20 15:46		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	5.31	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	1.0	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:40	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.0045	mg/L	0.0030	0.00027	1	03/25/20 15:06	03/25/20 19:42	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/25/20 15:06	03/25/20 19:42	7440-38-2	
Barium	0.0041J	mg/L	0.010	0.00049	1	03/25/20 15:06	03/25/20 19:42	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/25/20 15:06	03/25/20 19:42	7440-41-7	
Boron	0.0071J	mg/L	0.040	0.0049	1	03/25/20 15:06	03/25/20 19:42	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/25/20 15:06	03/25/20 19:42	7440-43-9	
Chromium	0.00095J	mg/L	0.010	0.00039	1	03/25/20 15:06	03/25/20 19:42	7440-47-3	B
Cobalt	0.00041J	mg/L	0.0050	0.00030	1	03/25/20 15:06	03/25/20 19:42	7440-48-4	
Copper	0.027	mg/L	0.025	0.00019	1	03/25/20 15:06	03/25/20 19:42	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/25/20 15:06	03/25/20 19:42	7439-92-1	
Nickel	0.012	mg/L	0.010	0.00031	1	03/25/20 15:06	03/25/20 19:42	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/25/20 15:06	03/25/20 19:42	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/25/20 15:06	03/25/20 19:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/25/20 15:06	03/25/20 19:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/25/20 15:06	03/25/20 19:42	7440-62-2	
Zinc	0.031	mg/L	0.010	0.0015	1	03/25/20 15:06	03/25/20 19:42	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:11	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	24.0	mg/L	10.0	10.0	1		03/18/20 18:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		03/19/20 19:39	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 19:39	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/19/20 19:39	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWA-50 **Lab ID: 2630125012** Collected: 03/11/20 13:38 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Field Data Analytical Method:
Pace Analytical Services - Atlanta, GA

Field pH	5.57	Std. Units			1		03/24/20 15:17		
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6010D MET ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Atlanta, GA

Calcium	1.6	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:44	7440-70-2	
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6020B MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Atlanta, GA

Antimony	0.00050J	mg/L	0.0030	0.00027	1	03/25/20 15:06	03/25/20 19:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/25/20 15:06	03/25/20 19:48	7440-38-2	
Barium	0.0077J	mg/L	0.010	0.00049	1	03/25/20 15:06	03/25/20 19:48	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/25/20 15:06	03/25/20 19:48	7440-41-7	
Boron	0.0063J	mg/L	0.040	0.0049	1	03/25/20 15:06	03/25/20 19:48	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/25/20 15:06	03/25/20 19:48	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00039	1	03/25/20 15:06	03/25/20 19:48	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/25/20 15:06	03/25/20 19:48	7440-48-4	
Copper	0.0026J	mg/L	0.025	0.00019	1	03/25/20 15:06	03/25/20 19:48	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/25/20 15:06	03/25/20 19:48	7439-92-1	
Nickel	0.00084J	mg/L	0.010	0.00031	1	03/25/20 15:06	03/25/20 19:48	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/25/20 15:06	03/25/20 19:48	7782-49-2	
Silver	0.00039J	mg/L	0.010	0.00028	1	03/25/20 15:06	03/25/20 19:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/25/20 15:06	03/25/20 19:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/25/20 15:06	03/25/20 19:48	7440-62-2	
Zinc	0.0025J	mg/L	0.010	0.0015	1	03/25/20 15:06	03/25/20 19:48	7440-66-6	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Atlanta, GA

Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:14	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2540C
Pace Analytical Services - Atlanta, GA

Total Dissolved Solids	17.0	mg/L	10.0	10.0	1		03/18/20 18:32		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.91J	mg/L	1.0	0.60	1		03/19/20 19:53	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 19:53	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/19/20 19:53	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWA-50R **Lab ID: 2630125013** Collected: 03/11/20 14:53 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data Analytical Method:
Pace Analytical Services - Atlanta, GA

Field pH	5.40	Std. Units			1		03/24/20 15:17		
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6010D MET ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Atlanta, GA

Calcium	1.2	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:47	7440-70-2	
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6020B MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Atlanta, GA

Antimony	ND	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 15:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 15:56	7440-38-2	
Barium	0.0095J	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 15:56	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 15:56	7440-41-7	
Boron	0.0070J	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 15:56	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 15:56	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 15:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 15:56	7440-48-4	
Copper	0.0035J	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 15:56	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 15:56	7439-92-1	
Nickel	0.0010J	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 15:56	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 15:56	7782-49-2	
Silver	0.0013J	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 15:56	7440-22-4	
Thallium	0.000059J	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 15:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 15:56	7440-62-2	
Zinc	0.0033J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 15:56	7440-66-6	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Atlanta, GA

Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:16	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2540C
Pace Analytical Services - Atlanta, GA

Total Dissolved Solids	24.0	mg/L	10.0	10.0	1		03/18/20 18:33		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.73J	mg/L	1.0	0.60	1		03/19/20 20:07	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 20:07	16984-48-8	
Sulfate	0.85J	mg/L	1.0	0.50	1		03/19/20 20:07	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWA-4RZ **Lab ID: 2630125014** Collected: 03/12/20 10:06 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data
Analytical Method:
Pace Analytical Services - Atlanta, GA

Field pH	7.55	Std. Units			1		03/24/20 15:17		
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6010D MET ICP
Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Atlanta, GA

Calcium	54.2	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:51	7440-70-2	
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6020B MET ICPMS
Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Atlanta, GA

Antimony	0.0017J	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 16:19	7440-36-0	
Arsenic	0.0033J	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 16:19	7440-38-2	
Barium	0.053	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 16:19	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 16:19	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 16:19	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 16:19	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 16:19	7440-47-3	
Cobalt	0.013	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 16:19	7440-48-4	
Copper	0.00020J	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 16:19	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 16:19	7439-92-1	
Nickel	0.00034J	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 16:19	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 16:19	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 16:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 16:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 16:19	7440-62-2	
Zinc	0.0027J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 16:19	7440-66-6	

7470 Mercury
Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Atlanta, GA

Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:19	7439-97-6	
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2540C Total Dissolved Solids
Analytical Method: SM 2540C
Pace Analytical Services - Atlanta, GA

Total Dissolved Solids	247	mg/L	10.0	10.0	1		03/18/20 18:34		
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300.0 IC Anions 28 Days
Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.3	mg/L	1.0	0.60	1		03/19/20 20:49	16887-00-6	
Fluoride	0.18J	mg/L	0.30	0.050	1		03/19/20 20:49	16984-48-8	
Sulfate	20.8	mg/L	1.0	0.50	1		03/19/20 20:49	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-6		Lab ID: 2630125015		Collected: 03/12/20 11:42		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.40	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	16.2	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:54	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.00052J	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 16:25	7440-36-0	
Arsenic	0.00055J	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 16:25	7440-38-2	
Barium	0.0075J	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 16:25	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 16:25	7440-41-7	
Boron	0.0061J	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 16:25	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 16:25	7440-43-9	
Chromium	0.0034J	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 16:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 16:25	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 16:25	7440-50-8	
Lead	0.00010J	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 16:25	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 16:25	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 16:25	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 16:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 16:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 16:25	7440-62-2	
Zinc	0.0042J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 16:25	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 11:39	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	42.0	mg/L	10.0	10.0	1		03/19/20 13:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		03/19/20 21:03	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 21:03	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		03/19/20 21:03	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-6RZ		Lab ID: 2630125016		Collected: 03/12/20 10:24		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.88	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	9.3	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:58	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.0011J	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 16:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 16:30	7440-38-2	
Barium	0.0072J	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 16:30	7440-39-3	
Beryllium	0.000093J	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 16:30	7440-41-7	
Boron	0.0052J	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 16:30	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 16:30	7440-43-9	
Chromium	0.0028J	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 16:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 16:30	7440-48-4	
Copper	0.00028J	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 16:30	7440-50-8	
Lead	0.000070J	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 16:30	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 16:30	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 16:30	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 16:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 16:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 16:30	7440-62-2	
Zinc	0.0032J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 16:30	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 11:42	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	22.0	mg/L	10.0	10.0	1		03/19/20 13:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		03/19/20 21:45	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 21:45	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		03/19/20 21:45	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-7Z		Lab ID: 2630125017		Collected: 03/12/20 13:32		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.53	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	26.4	mg/L	1.0	0.14	1	03/24/20 18:06	03/25/20 18:22	7440-70-2	M1
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.00066J	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 16:36	7440-36-0	
Arsenic	0.00044J	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 16:36	7440-38-2	
Barium	0.022	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 16:36	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 16:36	7440-41-7	
Boron	0.0057J	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 16:36	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 16:36	7440-43-9	
Chromium	0.0014J	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 16:36	7440-47-3	
Cobalt	0.00031J	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 16:36	7440-48-4	
Copper	0.00021J	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 16:36	7440-50-8	
Lead	0.00082J	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 16:36	7439-92-1	
Nickel	0.00078J	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 16:36	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 16:36	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 16:36	7440-22-4	
Thallium	0.00022J	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 16:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 16:36	7440-62-2	
Zinc	0.0031J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 16:36	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 11:44	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	86.0	mg/L	10.0	10.0	1		03/19/20 13:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.72J	mg/L	1.0	0.60	1		03/19/20 21:59	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 21:59	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		03/19/20 21:59	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Sample: GWC-8RR **Lab ID: 2630125018** Collected: 03/12/20 15:40 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	8.02	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	21.8	mg/L	1.0	0.14	1	03/24/20 18:06	03/25/20 18:36	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.00043J	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 16:57	7440-36-0	
Arsenic	0.00039J	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 16:57	7440-38-2	
Barium	0.014	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 16:57	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 16:57	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 16:57	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 16:57	7440-43-9	
Chromium	0.0031J	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 16:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 16:57	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 16:57	7440-50-8	
Lead	0.000056J	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 16:57	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 16:57	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 16:57	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 16:57	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 16:57	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 16:57	7440-62-2	
Zinc	0.0020J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 16:57	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 11:47	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	84.0	mg/L	10.0	10.0	1		03/19/20 13:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.93J	mg/L	1.0	0.60	1		03/19/20 22:13	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 22:13	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		03/19/20 22:13	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-9 **Lab ID: 2630125019** Collected: 03/12/20 14:58 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Field Data

Analytical Method:
Pace Analytical Services - Atlanta, GA

Field pH **4.82** Std. Units 1 03/24/20 15:17

6010D MET ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Atlanta, GA

Calcium **1.8** mg/L 1.0 0.14 1 03/24/20 18:06 03/25/20 18:40 7440-70-2

6020B MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Atlanta, GA

Antimony	ND	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 17:03	7440-36-0
Arsenic	ND	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 17:03	7440-38-2
Barium	0.044	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 17:03	7440-39-3
Beryllium	0.00022J	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 17:03	7440-41-7
Boron	0.0058J	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 17:03	7440-42-8
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 17:03	7440-43-9
Chromium	0.00045J	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 17:03	7440-47-3
Cobalt	0.00044J	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 17:03	7440-48-4
Copper	0.00031J	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 17:03	7440-50-8
Lead	0.00016J	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 17:03	7439-92-1
Nickel	0.0011J	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 17:03	7440-02-0
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 17:03	7782-49-2
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 17:03	7440-22-4
Thallium	ND	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 17:03	7440-28-0
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 17:03	7440-62-2
Zinc	0.0045J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 17:03	7440-66-6

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Atlanta, GA

Mercury ND mg/L 0.00050 0.00014 1 03/23/20 01:40 03/26/20 11:49 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C
Pace Analytical Services - Atlanta, GA

Total Dissolved Solids **16.0** mg/L 10.0 10.0 1 03/19/20 13:47

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.9	mg/L	1.0	0.60	1	03/19/20 22:27	16887-00-6
Fluoride	ND	mg/L	0.30	0.050	1	03/19/20 22:27	16984-48-8
Sulfate	1.1	mg/L	1.0	0.50	1	03/19/20 22:27	14808-79-8

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-10 **Lab ID: 2630125020** Collected: 03/12/20 12:31 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Atlanta, GA

Field pH	6.43	Std. Units			1		03/24/20 15:17		
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6010D MET ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Atlanta, GA

Calcium	18.6	mg/L	1.0	0.14	1	03/24/20 18:06	03/25/20 18:43	7440-70-2	
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6020B MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Atlanta, GA

Antimony	ND	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 17:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 17:08	7440-38-2	
Barium	0.026	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 17:08	7440-39-3	
Beryllium	0.00017J	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 17:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 17:08	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 17:08	7440-43-9	
Chromium	0.00047J	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 17:08	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 17:08	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 17:08	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 17:08	7439-92-1	
Nickel	0.0015J	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 17:08	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 17:08	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 17:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 17:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 17:08	7440-62-2	
Zinc	0.0024J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 17:08	7440-66-6	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Atlanta, GA

Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 11:51	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C
Pace Analytical Services - Atlanta, GA

Total Dissolved Solids	63.0	mg/L	10.0	10.0	1		03/19/20 13:47		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.3	mg/L	1.0	0.60	1		03/19/20 22:41	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 22:41	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		03/19/20 22:41	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-10R **Lab ID: 2630125021** Collected: 03/12/20 13:36 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data Analytical Method:
Pace Analytical Services - Atlanta, GA

Field pH	7.49	Std. Units			1		03/24/20 15:17		
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6010D MET ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Atlanta, GA

Calcium	43.2	mg/L	1.0	0.14	1	03/24/20 18:06	03/25/20 18:47	7440-70-2	
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6020B MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Atlanta, GA

Antimony	ND	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 17:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 17:14	7440-38-2	
Barium	0.028	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 17:14	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 17:14	7440-41-7	
Boron	0.0050J	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 17:14	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 17:14	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 17:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 17:14	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 17:14	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 17:14	7439-92-1	
Nickel	0.00043J	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 17:14	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 17:14	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 17:14	7440-22-4	
Thallium	0.000054J	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 17:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 17:14	7440-62-2	
Zinc	0.0027J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 17:14	7440-66-6	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Atlanta, GA

Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 11:54	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2540C
Pace Analytical Services - Atlanta, GA

Total Dissolved Solids	81.0	mg/L	10.0	10.0	1		03/19/20 13:48		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.0	mg/L	1.0	0.60	1		03/19/20 22:55	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 22:55	16984-48-8	
Sulfate	0.99J	mg/L	1.0	0.50	1		03/19/20 22:55	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Sample: GWC-11 **Lab ID: 2630125022** Collected: 03/12/20 14:56 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.30	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	8.0	mg/L	1.0	0.14	1	03/24/20 18:06	03/25/20 18:50	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.0013J	mg/L	0.0030	0.00027	1	03/26/20 15:05	03/27/20 19:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/26/20 15:05	03/27/20 19:48	7440-38-2	
Barium	0.0086J	mg/L	0.010	0.00049	1	03/26/20 15:05	03/27/20 19:48	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/26/20 15:05	03/27/20 19:48	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/26/20 15:05	03/27/20 19:48	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/26/20 15:05	03/27/20 19:48	7440-43-9	
Chromium	0.00084J	mg/L	0.010	0.00039	1	03/26/20 15:05	03/27/20 19:48	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/26/20 15:05	03/27/20 19:48	7440-48-4	
Copper	0.00023J	mg/L	0.025	0.00019	1	03/26/20 15:05	03/27/20 19:48	7440-50-8	
Lead	0.000052J	mg/L	0.0050	0.000046	1	03/26/20 15:05	03/27/20 19:48	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/26/20 15:05	03/27/20 19:48	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/26/20 15:05	03/27/20 19:48	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/26/20 15:05	03/27/20 19:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/26/20 15:05	03/27/20 19:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/26/20 15:05	03/27/20 19:48	7440-62-2	
Zinc	0.0038J	mg/L	0.010	0.0015	1	03/26/20 15:05	03/27/20 19:48	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 11:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	96.0	mg/L	10.0	10.0	1		03/19/20 13:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		03/20/20 06:54	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/20/20 06:54	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		03/20/20 06:54	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-11R **Lab ID: 2630125023** Collected: 03/12/20 16:09 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Atlanta, GA

Field pH	7.60	Std. Units			1		03/24/20 15:17		
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6010D MET ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Atlanta, GA

Calcium	32.5	mg/L	1.0	0.14	1	03/24/20 18:06	03/25/20 18:54	7440-70-2	
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6020B MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Atlanta, GA

Antimony	0.0010J	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 17:26	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 17:26	7440-38-2	
Barium	0.021	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 17:26	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 17:26	7440-41-7	
Boron	0.0058J	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 17:26	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 17:26	7440-43-9	
Chromium	0.0042J	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 17:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 17:26	7440-48-4	
Copper	0.00032J	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 17:26	7440-50-8	
Lead	0.000046J	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 17:26	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 17:26	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 17:26	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 17:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 17:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 17:26	7440-62-2	
Zinc	0.0053J	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 17:26	7440-66-6	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Atlanta, GA

Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 11:58	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C
Pace Analytical Services - Atlanta, GA

Total Dissolved Solids	125	mg/L	10.0	10.0	1		03/19/20 13:48		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.5	mg/L	1.0	0.60	1		03/20/20 07:08	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/20/20 07:08	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		03/20/20 07:08	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Sample: GWC-12 **Lab ID: 2630125024** Collected: 03/12/20 16:26 Received: 03/14/20 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.17	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	8.1	mg/L	1.0	0.14	1	03/24/20 18:06	03/25/20 19:04	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	03/23/20 20:01	03/25/20 17:31	7440-36-0	
Arsenic	0.0053	mg/L	0.0050	0.00035	1	03/23/20 20:01	03/25/20 17:31	7440-38-2	
Barium	0.023	mg/L	0.010	0.00049	1	03/23/20 20:01	03/25/20 17:31	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/23/20 20:01	03/25/20 17:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/23/20 20:01	03/25/20 17:31	7440-42-8	
Cadmium	0.00089J	mg/L	0.0025	0.00011	1	03/23/20 20:01	03/25/20 17:31	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/23/20 20:01	03/25/20 17:31	7440-47-3	
Cobalt	0.0031J	mg/L	0.0050	0.00030	1	03/23/20 20:01	03/25/20 17:31	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/23/20 20:01	03/25/20 17:31	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/23/20 20:01	03/25/20 17:31	7439-92-1	
Nickel	0.0022J	mg/L	0.010	0.00031	1	03/23/20 20:01	03/25/20 17:31	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/23/20 20:01	03/25/20 17:31	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/23/20 20:01	03/25/20 17:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/23/20 20:01	03/25/20 17:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/23/20 20:01	03/25/20 17:31	7440-62-2	
Zinc	0.015	mg/L	0.010	0.0015	1	03/23/20 20:01	03/25/20 17:31	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 12:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	64.0	mg/L	10.0	10.0	1		03/19/20 13:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.84J	mg/L	1.0	0.60	1		03/20/20 07:22	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/20/20 07:22	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/20/20 07:22	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Sample: GWC-5 **Lab ID: 2630125025** Collected: 03/16/20 12:39 Received: 03/18/20 15:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data Analytical Method:
Pace Analytical Services - Atlanta, GA

Field pH	6.88	Std. Units			1		03/24/20 15:17		
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6010D MET ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Atlanta, GA

Calcium	12.1	mg/L	1.0	0.14	1	03/24/20 18:00	03/25/20 16:49	7440-70-2	
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6020B MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Atlanta, GA

Antimony	0.00031J	mg/L	0.0030	0.00027	1	03/24/20 19:40	03/26/20 17:32	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.00035	1	03/24/20 19:40	03/26/20 17:32	7440-38-2	
Barium	0.024	mg/L	0.010	0.00049	1	03/24/20 19:40	03/26/20 17:32	7440-39-3	
Beryllium	0.00048J	mg/L	0.0030	0.000074	1	03/24/20 19:40	03/26/20 17:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/24/20 19:40	03/26/20 17:32	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/24/20 19:40	03/26/20 17:32	7440-43-9	
Chromium	0.00078J	mg/L	0.010	0.00039	1	03/24/20 19:40	03/26/20 17:32	7440-47-3	
Cobalt	0.00031J	mg/L	0.0050	0.00030	1	03/24/20 19:40	03/26/20 17:32	7440-48-4	
Copper	0.012J	mg/L	0.025	0.00019	1	03/24/20 19:40	03/26/20 17:32	7440-50-8	
Lead	0.000051J	mg/L	0.0050	0.000046	1	03/24/20 19:40	03/26/20 17:32	7439-92-1	
Nickel	0.015	mg/L	0.010	0.00031	1	03/24/20 19:40	03/26/20 17:32	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/24/20 19:40	03/26/20 17:32	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/24/20 19:40	03/26/20 17:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/24/20 19:40	03/26/20 17:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/24/20 19:40	03/26/20 17:32	7440-62-2	
Zinc	0.047	mg/L	0.010	0.0015	1	03/24/20 19:40	03/26/20 17:32	7440-66-6	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Atlanta, GA

Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 12:08	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2540C
Pace Analytical Services - Atlanta, GA

Total Dissolved Solids	20.0	mg/L	10.0	10.0	1		03/21/20 11:34		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.67J	mg/L	1.0	0.60	1		03/21/20 21:20	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/21/20 21:20	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		03/21/20 21:20	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Sample: GWC-8Z		Lab ID: 2630125026		Collected: 03/16/20 10:46		Received: 03/18/20 15:37		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.01	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	19.4	mg/L	1.0	0.14	1	03/24/20 18:00	03/25/20 16:52	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	03/24/20 19:40	03/26/20 17:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/24/20 19:40	03/26/20 17:38	7440-38-2	
Barium	0.027	mg/L	0.010	0.00049	1	03/24/20 19:40	03/26/20 17:38	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/24/20 19:40	03/26/20 17:38	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/24/20 19:40	03/26/20 17:38	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/24/20 19:40	03/26/20 17:38	7440-43-9	
Chromium	0.0015J	mg/L	0.010	0.00039	1	03/24/20 19:40	03/26/20 17:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/24/20 19:40	03/26/20 17:38	7440-48-4	
Copper	0.00024J	mg/L	0.025	0.00019	1	03/24/20 19:40	03/26/20 17:38	7440-50-8	
Lead	0.00016J	mg/L	0.0050	0.000046	1	03/24/20 19:40	03/26/20 17:38	7439-92-1	
Nickel	0.00060J	mg/L	0.010	0.00031	1	03/24/20 19:40	03/26/20 17:38	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/24/20 19:40	03/26/20 17:38	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/24/20 19:40	03/26/20 17:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/24/20 19:40	03/26/20 17:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/24/20 19:40	03/26/20 17:38	7440-62-2	
Zinc	0.0073J	mg/L	0.010	0.0015	1	03/24/20 19:40	03/26/20 17:38	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 01:40	03/26/20 12:10	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	76.0	mg/L	10.0	10.0	1		03/21/20 11:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		03/21/20 21:34	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/21/20 21:34	16984-48-8	
Sulfate	0.66J	mg/L	1.0	0.50	1		03/21/20 21:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Sample: GWC-13RZ		Lab ID: 2630125027		Collected: 03/17/20 12:56		Received: 03/18/20 15:37		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.62	Std. Units			1		03/24/20 15:17		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	44.9	mg/L	1.0	0.14	1	03/25/20 13:27	03/25/20 20:08	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.00090J	mg/L	0.0030	0.00027	1	03/24/20 19:40	03/26/20 17:43	7440-36-0	B
Arsenic	0.00067J	mg/L	0.0050	0.00035	1	03/24/20 19:40	03/26/20 17:43	7440-38-2	
Barium	0.097	mg/L	0.010	0.00049	1	03/24/20 19:40	03/26/20 17:43	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/24/20 19:40	03/26/20 17:43	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0049	1	03/24/20 19:40	03/26/20 17:43	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/24/20 19:40	03/26/20 17:43	7440-43-9	
Chromium	0.0020J	mg/L	0.010	0.00039	1	03/24/20 19:40	03/26/20 17:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/24/20 19:40	03/26/20 17:43	7440-48-4	
Copper	0.00045J	mg/L	0.025	0.00019	1	03/24/20 19:40	03/26/20 17:43	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/24/20 19:40	03/26/20 17:43	7439-92-1	
Nickel	0.00082J	mg/L	0.010	0.00031	1	03/24/20 19:40	03/26/20 17:43	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/24/20 19:40	03/26/20 17:43	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/24/20 19:40	03/26/20 17:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/24/20 19:40	03/26/20 17:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/24/20 19:40	03/26/20 17:43	7440-62-2	
Zinc	0.0057J	mg/L	0.010	0.0015	1	03/24/20 19:40	03/26/20 17:43	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Atlanta, GA									
Mercury	ND	mg/L	0.00050	0.00014	1	03/25/20 08:15	03/26/20 13:24	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	256	mg/L	10.0	10.0	1		03/21/20 11:36		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	7.7	mg/L	1.0	0.60	1		03/21/20 21:48	16887-00-6	
Fluoride	0.11J	mg/L	0.30	0.050	1		03/21/20 21:48	16984-48-8	
Sulfate	72.1	mg/L	1.0	0.50	1		03/21/20 21:48	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

QC Batch:	44827	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125001, 2630125002, 2630125003, 2630125004, 2630125008, 2630125009, 2630125010, 2630125011, 2630125012, 2630125013, 2630125014

METHOD BLANK: 206281 Matrix: Water
Associated Lab Samples: 2630125001, 2630125002, 2630125003, 2630125004, 2630125008, 2630125009, 2630125010, 2630125011, 2630125012, 2630125013, 2630125014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/24/20 12:12	

LABORATORY CONTROL SAMPLE: 206282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206283 206284

Parameter	Units	2630125001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0026	95	104	75-125	9	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch:	44832	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125015, 2630125016, 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125022, 2630125023, 2630125024, 2630125025, 2630125026

METHOD BLANK: 206295 Matrix: Water

Associated Lab Samples: 2630125015, 2630125016, 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125022, 2630125023, 2630125024, 2630125025, 2630125026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/26/20 11:11	

LABORATORY CONTROL SAMPLE: 206296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206297 206298

Parameter	Units	2630020016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0024	101	97	75-125	3	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch: 44903	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125027

METHOD BLANK: 206570 Matrix: Water

Associated Lab Samples: 2630125027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/26/20 13:19	

LABORATORY CONTROL SAMPLE: 206571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206572 206573

Parameter	Units	206572		206573		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0027	0.0026	109	103	75-125	5	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch: 44838	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D MET
	Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125001, 2630125002, 2630125003

METHOD BLANK: 206317 Matrix: Water

Associated Lab Samples: 2630125001, 2630125002, 2630125003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/24/20 16:42	

LABORATORY CONTROL SAMPLE: 206318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206319 206320

Parameter	Units	2629875010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	2.6	1	1	3.7	3.6	109	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch:	44863	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D MET
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125004, 2630125008, 2630125009, 2630125010, 2630125011, 2630125012, 2630125013, 2630125014, 2630125015, 2630125016

METHOD BLANK: 206402 Matrix: Water

Associated Lab Samples: 2630125004, 2630125008, 2630125009, 2630125010, 2630125011, 2630125012, 2630125013, 2630125014, 2630125015, 2630125016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/24/20 20:19	

LABORATORY CONTROL SAMPLE: 206403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206404 206405

Parameter	Units	2630125004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	24.2	1	1	25.5	25.3	133	115	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch: 44880	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D MET
	Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125022, 2630125023, 2630125024

METHOD BLANK: 206473 Matrix: Water
Associated Lab Samples: 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125022, 2630125023, 2630125024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/25/20 17:48	

LABORATORY CONTROL SAMPLE: 206474

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206475 206476

Parameter	Units	2630125017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	26.4	1	1	27.0	27.6	62	113	75-125	2	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch: 44881

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125025, 2630125026

METHOD BLANK: 206477

Matrix: Water

Associated Lab Samples: 2630125025, 2630125026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/25/20 16:05	

LABORATORY CONTROL SAMPLE: 206478

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206479 206480

Parameter	Units	2630257002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	31.9	1	1	33.2	33.9	123	195	75-125	2	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch: 44914

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125027

METHOD BLANK: 206611

Matrix: Water

Associated Lab Samples: 2630125027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/25/20 20:01	

LABORATORY CONTROL SAMPLE: 206612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.98J	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206613 206614

Parameter	Units	206613		206614		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	40.1	1	40.5	41.2	36	112	75-125	2	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

QC Batch: 44725 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Atlanta, GA
Associated Lab Samples: 2630125001, 2630125002, 2630125003, 2630125004, 2630125008, 2630125009, 2630125010

METHOD BLANK: 205651 Matrix: Water
Associated Lab Samples: 2630125001, 2630125002, 2630125003, 2630125004, 2630125008, 2630125009, 2630125010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00029J	0.0030	0.00027	03/24/20 17:15	
Arsenic	mg/L	ND	0.0050	0.00035	03/24/20 17:15	
Barium	mg/L	ND	0.010	0.00049	03/24/20 17:15	
Beryllium	mg/L	ND	0.0030	0.000074	03/24/20 17:15	
Boron	mg/L	ND	0.040	0.0049	03/24/20 17:15	
Cadmium	mg/L	ND	0.0025	0.00011	03/24/20 17:15	
Chromium	mg/L	0.0013J	0.010	0.00039	03/24/20 17:15	
Cobalt	mg/L	ND	0.0050	0.00030	03/24/20 17:15	
Copper	mg/L	ND	0.025	0.00019	03/24/20 17:15	
Lead	mg/L	ND	0.0050	0.000046	03/24/20 17:15	
Nickel	mg/L	ND	0.010	0.00031	03/24/20 17:15	
Selenium	mg/L	ND	0.010	0.0013	03/24/20 17:15	
Silver	mg/L	ND	0.010	0.00028	03/24/20 17:15	
Thallium	mg/L	ND	0.0010	0.000052	03/24/20 17:15	
Vanadium	mg/L	ND	0.010	0.00071	03/24/20 17:15	
Zinc	mg/L	0.0018J	0.010	0.0015	03/24/20 17:15	

LABORATORY CONTROL SAMPLE: 205652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	1.1	105	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 205653		205654		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2630003002 Result	MS Spike Conc.	MSD Spike Conc.									
Antimony	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.098	0.10	97	101	75-125	4	20		
Barium	mg/L	0.019	0.1	0.1	0.12	0.12	101	104	75-125	3	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	3	20		
Boron	mg/L	ND	1	1	1.1	1.1	104	107	75-125	3	20		
Cadmium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	102	104	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.11	102	104	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.097	0.099	96	99	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.095	0.10	94	99	75-125	6	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	100	103	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	103	105	75-125	1	20		
Zinc	mg/L	ND	0.1	0.1	0.11	0.11	97	99	75-125	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch:	44862	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020B MET
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125013, 2630125014, 2630125015, 2630125016, 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125023, 2630125024

METHOD BLANK: 206398 Matrix: Water

Associated Lab Samples: 2630125013, 2630125014, 2630125015, 2630125016, 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125023, 2630125024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/25/20 15:45	
Arsenic	mg/L	ND	0.0050	0.00035	03/25/20 15:45	
Barium	mg/L	ND	0.010	0.00049	03/25/20 15:45	
Beryllium	mg/L	ND	0.0030	0.000074	03/25/20 15:45	
Boron	mg/L	ND	0.040	0.0049	03/25/20 15:45	
Cadmium	mg/L	ND	0.0025	0.00011	03/25/20 15:45	
Chromium	mg/L	ND	0.010	0.00039	03/25/20 15:45	
Cobalt	mg/L	ND	0.0050	0.00030	03/25/20 15:45	
Copper	mg/L	ND	0.025	0.00019	03/25/20 15:45	
Lead	mg/L	ND	0.0050	0.000046	03/25/20 15:45	
Nickel	mg/L	ND	0.010	0.00031	03/25/20 15:45	
Selenium	mg/L	ND	0.010	0.0013	03/25/20 15:45	
Silver	mg/L	ND	0.010	0.00028	03/25/20 15:45	
Thallium	mg/L	ND	0.0010	0.000052	03/25/20 15:45	
Vanadium	mg/L	ND	0.010	0.00071	03/25/20 15:45	
Zinc	mg/L	ND	0.010	0.0015	03/25/20 15:45	

LABORATORY CONTROL SAMPLE: 206399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.092	92	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	
Zinc	mg/L	0.1	0.095	95	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Parameter	Units	2630125013		206400		206401		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.097	0.098	97	97	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20			
Barium	mg/L	0.0095J	0.1	0.1	0.11	0.11	98	99	75-125	0	20			
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20			
Boron	mg/L	0.0070J	1	1	1.1	1.1	106	106	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20			
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	102	105	75-125	3	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20			
Copper	mg/L	0.0035J	0.1	0.1	0.11	0.11	102	105	75-125	3	20			
Lead	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	2	20			
Nickel	mg/L	0.0010J	0.1	0.1	0.10	0.10	101	104	75-125	3	20			
Selenium	mg/L	ND	0.1	0.1	0.095	0.10	95	100	75-125	6	20			
Silver	mg/L	0.0013J	0.1	0.1	0.098	0.10	97	98	75-125	1	20			
Thallium	mg/L	0.000059J	0.1	0.1	0.098	0.10	98	100	75-125	2	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	103	105	75-125	2	20			
Zinc	mg/L	0.0033J	0.1	0.1	0.099	0.10	96	99	75-125	4	20			

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

QC Batch: 44893 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125025, 2630125026, 2630125027

METHOD BLANK: 206538 Matrix: Water

Associated Lab Samples: 2630125025, 2630125026, 2630125027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00031J	0.0030	0.00027	03/26/20 16:09	
Arsenic	mg/L	ND	0.0050	0.00035	03/26/20 16:09	
Barium	mg/L	ND	0.010	0.00049	03/26/20 16:09	
Beryllium	mg/L	ND	0.0030	0.000074	03/26/20 16:09	
Boron	mg/L	ND	0.040	0.0049	03/26/20 16:09	
Cadmium	mg/L	ND	0.0025	0.00011	03/26/20 16:09	
Chromium	mg/L	ND	0.010	0.00039	03/26/20 16:09	
Cobalt	mg/L	ND	0.0050	0.00030	03/26/20 16:09	
Copper	mg/L	ND	0.025	0.00019	03/26/20 16:09	
Lead	mg/L	ND	0.0050	0.000046	03/26/20 16:09	
Nickel	mg/L	ND	0.010	0.00031	03/26/20 16:09	
Selenium	mg/L	ND	0.010	0.0013	03/26/20 16:09	
Silver	mg/L	ND	0.010	0.00028	03/26/20 16:09	
Thallium	mg/L	ND	0.0010	0.000052	03/26/20 16:09	
Vanadium	mg/L	ND	0.010	0.00071	03/26/20 16:09	
Zinc	mg/L	0.0019J	0.010	0.0015	03/26/20 16:09	

LABORATORY CONTROL SAMPLE: 206539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	114	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	104	80-120	
Boron	mg/L	1	1.1	110	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.11	107	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	
Zinc	mg/L	0.1	0.11	105	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Parameter	Units	206540		206541		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	0.00042J	0.1	0.1	0.11	0.11	111	108	75-125	3	20		
Arsenic	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20		
Barium	mg/L	0.099	0.1	0.1	0.20	0.19	102	95	75-125	3	20		
Beryllium	mg/L	ND	0.1	0.1	0.093	0.096	93	96	75-125	3	20		
Boron	mg/L	0.61	1	1	1.6	1.6	97	98	75-125	0	20		
Cadmium	mg/L	ND	0.1	0.1	0.099	0.096	99	96	75-125	3	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	104	104	75-125	0	20		
Cobalt	mg/L	0.0040J	0.1	0.1	0.10	0.10	101	101	75-125	0	20		
Copper	mg/L	0.00039J	0.1	0.1	0.10	0.10	101	100	75-125	1	20		
Lead	mg/L	0.00010J	0.1	0.1	0.095	0.095	95	95	75-125	0	20		
Nickel	mg/L	0.0016J	0.1	0.1	0.10	0.10	99	100	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.098	0.098	97	97	75-125	0	20		
Silver	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	3	20		
Thallium	mg/L	0.000080J	0.1	0.1	0.096	0.095	95	95	75-125	0	20		
Vanadium	mg/L	0.0018J	0.1	0.1	0.11	0.11	107	105	75-125	2	20		
Zinc	mg/L	0.0026J	0.1	0.1	0.10	0.10	101	100	75-125	0	20		

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

QC Batch: 44929 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125011, 2630125012

METHOD BLANK: 206699 Matrix: Water

Associated Lab Samples: 2630125011, 2630125012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/25/20 19:08	
Arsenic	mg/L	ND	0.0050	0.00035	03/25/20 19:08	
Barium	mg/L	ND	0.010	0.00049	03/25/20 19:08	
Beryllium	mg/L	ND	0.0030	0.000074	03/25/20 19:08	
Boron	mg/L	ND	0.040	0.0049	03/25/20 19:08	
Cadmium	mg/L	ND	0.0025	0.00011	03/25/20 19:08	
Chromium	mg/L	0.0011J	0.010	0.00039	03/25/20 19:08	
Cobalt	mg/L	ND	0.0050	0.00030	03/25/20 19:08	
Copper	mg/L	ND	0.025	0.00019	03/25/20 19:08	
Lead	mg/L	ND	0.0050	0.000046	03/25/20 19:08	
Nickel	mg/L	ND	0.010	0.00031	03/25/20 19:08	
Selenium	mg/L	ND	0.010	0.0013	03/25/20 19:08	
Silver	mg/L	ND	0.010	0.00028	03/25/20 19:08	
Thallium	mg/L	ND	0.0010	0.000052	03/25/20 19:08	
Vanadium	mg/L	ND	0.010	0.00071	03/25/20 19:08	
Zinc	mg/L	ND	0.010	0.0015	03/25/20 19:08	

LABORATORY CONTROL SAMPLE: 206700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.093	93	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.10	104	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Silver	mg/L	0.1	0.094	94	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	
Zinc	mg/L	0.1	0.096	96	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Parameter	Units	2630143001		206701		206702		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	0.0020J	0.1	0.1	0.097	0.10	95	98	75-125	3	20			
Arsenic	mg/L	ND	0.1	0.1	0.096	0.099	95	99	75-125	3	20			
Barium	mg/L	0.027	0.1	0.1	0.12	0.12	94	98	75-125	3	20			
Beryllium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	3	20			
Boron	mg/L	0.022J	1	1	1.0	1.0	98	100	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	3	20			
Chromium	mg/L	0.0014J	0.1	0.1	0.10	0.10	99	100	75-125	1	20			
Cobalt	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	4	20			
Copper	mg/L	0.00095J	0.1	0.1	0.096	0.099	95	98	75-125	3	20			
Lead	mg/L	0.000051J	0.1	0.1	0.093	0.095	93	95	75-125	3	20			
Nickel	mg/L	0.00032J	0.1	0.1	0.095	0.097	95	97	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.089	0.097	88	96	75-125	8	20			
Silver	mg/L	ND	0.1	0.1	0.093	0.096	93	96	75-125	3	20			
Thallium	mg/L	0.000076J	0.1	0.1	0.094	0.097	94	97	75-125	4	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	99	105	75-125	6	20			
Zinc	mg/L	0.0033J	0.1	0.1	0.095	0.098	92	95	75-125	3	20			

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

QC Batch: 44960	Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A	Analysis Description: 6020B MET
	Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125022

METHOD BLANK: 206954 Matrix: Water

Associated Lab Samples: 2630125022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/27/20 17:02	
Arsenic	mg/L	ND	0.0050	0.00035	03/27/20 17:02	
Barium	mg/L	ND	0.010	0.00049	03/27/20 17:02	
Beryllium	mg/L	ND	0.0030	0.000074	03/27/20 17:02	
Boron	mg/L	ND	0.040	0.0049	03/27/20 17:02	
Cadmium	mg/L	ND	0.0025	0.00011	03/27/20 17:02	
Chromium	mg/L	0.00046J	0.010	0.00039	03/27/20 17:02	
Cobalt	mg/L	ND	0.0050	0.00030	03/27/20 17:02	
Copper	mg/L	ND	0.025	0.00019	03/27/20 17:02	
Lead	mg/L	ND	0.0050	0.000046	03/27/20 17:02	
Nickel	mg/L	ND	0.010	0.00031	03/27/20 17:02	
Selenium	mg/L	ND	0.010	0.0013	03/27/20 17:02	
Silver	mg/L	ND	0.010	0.00028	03/27/20 17:02	
Thallium	mg/L	ND	0.0010	0.000052	03/27/20 17:02	
Vanadium	mg/L	ND	0.010	0.00071	03/27/20 17:02	
Zinc	mg/L	ND	0.010	0.0015	03/27/20 17:02	

LABORATORY CONTROL SAMPLE: 206955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	111	80-120	
Arsenic	mg/L	0.1	0.11	107	80-120	
Barium	mg/L	0.1	0.11	105	80-120	
Beryllium	mg/L	0.1	0.11	107	80-120	
Boron	mg/L	1	1.1	107	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.10	104	80-120	
Nickel	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.11	105	80-120	
Silver	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.10	104	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	
Zinc	mg/L	0.1	0.10	105	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206956												206957	
Parameter	Units	2630426001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD			
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	110	108	75-125	1	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	104	101	75-125	2	20		
Barium	mg/L	ND	0.1	0.1	0.11	0.11	108	106	75-125	2	20		
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	114	111	75-125	2	20		
Boron	mg/L	ND	1	1	1.1	1.1	113	113	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	105	102	75-125	3	20		
Chromium	mg/L	ND	0.1	0.1	0.11	0.10	107	101	75-125	5	20		
Cobalt	mg/L	ND	0.1	0.1	0.11	0.10	105	100	75-125	4	20		
Copper	mg/L	ND	0.1	0.1	0.11	0.10	104	100	75-125	4	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	104	101	75-125	3	20		
Nickel	mg/L	ND	0.1	0.1	0.11	0.10	103	99	75-125	4	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.097	101	96	75-125	5	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	103	100	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.099	104	99	75-125	5	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	107	103	75-125	4	20		
Zinc	mg/L	ND	0.1	0.1	0.11	0.10	100	96	75-125	4	20		

SAMPLE DUPLICATE: 206982

Parameter	Units	2630426003	Dup	RPD	Max RPD	Qualifiers
		Result	Result			
Antimony	mg/L	ND	ND		20	
Arsenic	mg/L	ND	0.0012J		20	
Barium	mg/L	46.8 ug/L	0.047	0	20	
Beryllium	mg/L	ND	0.00014J		20	
Boron	mg/L	ND	0.034J		20	
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	0.00093J		20	
Cobalt	mg/L	ND	0.022	1	20	
Copper	mg/L	ND	0.0038J		20	
Lead	mg/L	ND	0.00026J		20	
Nickel	mg/L	ND	0.012	2	20	
Selenium	mg/L	ND	ND		20	
Silver	mg/L	ND	ND		20	
Thallium	mg/L	ND	0.00015J		20	
Vanadium	mg/L	ND	0.0069J		20	
Zinc	mg/L	ND	0.011	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

QC Batch: 44706	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125008, 2630125009, 2630125010, 2630125011, 2630125012, 2630125013, 2630125014

LABORATORY CONTROL SAMPLE: 205508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	385	96	84-108	

SAMPLE DUPLICATE: 205509

Parameter	Units	2630143002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 205510

Parameter	Units	2630050002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	207	205	1	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch:	44741	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125001, 2630125015, 2630125016, 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125022, 2630125023, 2630125024

LABORATORY CONTROL SAMPLE: 205767

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	364	91	84-108	

SAMPLE DUPLICATE: 205768

Parameter	Units	2630143004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	103	113	9	10	

SAMPLE DUPLICATE: 205769

Parameter	Units	2630125022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	96.0	104	8	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch:	44802	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125002, 2630125003, 2630125004

LABORATORY CONTROL SAMPLE: 206142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	372	93	84-108	

SAMPLE DUPLICATE: 206143

Parameter	Units	2630287001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	143	134	6	10	H3

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch:	44814	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630125025, 2630125026, 2630125027

LABORATORY CONTROL SAMPLE: 206250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	379	95	84-108	

SAMPLE DUPLICATE: 206251

Parameter	Units	2630152001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	360	362	1	10	

SAMPLE DUPLICATE: 206252

Parameter	Units	2630251004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.0	49.0	6	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

QC Batch: 531041 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 2630125001, 2630125002, 2630125003, 2630125004

METHOD BLANK: 2835530 Matrix: Water
Associated Lab Samples: 2630125001, 2630125002, 2630125003, 2630125004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/18/20 03:57	
Fluoride	mg/L	ND	0.10	0.050	03/18/20 03:57	
Sulfate	mg/L	ND	1.0	0.50	03/18/20 03:57	

LABORATORY CONTROL SAMPLE: 2835531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	55.0	110	90-110	
Fluoride	mg/L	2.5	2.3	91	90-110	
Sulfate	mg/L	50	53.8	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2835532 2835533

Parameter	Units	2630098001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.0	50	50	50.7	56.4	97	109	90-110	11	10	R1
Fluoride	mg/L	ND	2.5	2.5	1.7	2.0	67	78	90-110	16	10	M1,R1
Sulfate	mg/L	1.1	50	50	48.6	55.5	95	109	90-110	13	10	R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2835534 2835535

Parameter	Units	2630000006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.0	50	50	60.0	60.0	98	98	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	1.8	1.8	71	72	90-110	2	10	M1
Sulfate	mg/L	24.5	50	50	72.6	72.3	96	96	90-110	0	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

QC Batch: 531364 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 2630125008, 2630125009, 2630125010, 2630125011, 2630125012, 2630125013, 2630125014, 2630125015, 2630125016, 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125022, 2630125023, 2630125024

METHOD BLANK: 2837011 Matrix: Water
Associated Lab Samples: 2630125008, 2630125009, 2630125010, 2630125011, 2630125012, 2630125013, 2630125014, 2630125015, 2630125016, 2630125017, 2630125018, 2630125019, 2630125020, 2630125021, 2630125022, 2630125023, 2630125024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/19/20 16:37	
Fluoride	mg/L	ND	0.10	0.050	03/19/20 16:37	
Sulfate	mg/L	ND	1.0	0.50	03/19/20 16:37	

LABORATORY CONTROL SAMPLE: 2837012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.5	97	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2837013 2837014

Parameter	Units	2630073003 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result							
Chloride	mg/L	ND	50	50.4	51.3	101	102	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.7	2.7	105	107	90-110	2	10		
Sulfate	mg/L	ND	50	50.6	51.4	101	103	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2837015 2837016

Parameter	Units	2630125015 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result							
Chloride	mg/L	1.3	50	51.9	52.8	101	103	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.6	2.7	104	107	90-110	2	10		
Sulfate	mg/L	2.1	50	53.3	54.2	102	104	90-110	2	10		

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QUALITY CONTROL DATA

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

QC Batch: 531787 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 2630125025, 2630125026, 2630125027

METHOD BLANK: 2839333 Matrix: Water

Associated Lab Samples: 2630125025, 2630125026, 2630125027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/21/20 19:14	
Fluoride	mg/L	ND	0.10	0.050	03/21/20 19:14	
Sulfate	mg/L	ND	1.0	0.50	03/21/20 19:14	

LABORATORY CONTROL SAMPLE: 2839334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	49.7	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2839335 2839336

Parameter	Units	2630143002 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	ND	50	50	52.4	53.0	105	106	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	100	90-110	0	10	
Sulfate	mg/L	ND	50	50	51.4	52.0	103	104	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2839337 2839338

Parameter	Units	2630255001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	4.8	50	50	57.5	58.2	105	107	90-110	1	10	
Fluoride	mg/L	0.053J	2.5	2.5	2.6	2.6	101	102	90-110	2	10	
Sulfate	mg/L	98.6	50	50	138	136	78	74	90-110	2	10 M1	

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QUALIFIERS

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

H3 Sample was received or analysis requested beyond the recognized method holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630125001	GWC-13				
2630125002	GWC-14Z				
2630125003	GWC-15R				
2630125004	GWC-15Z				
2630125008	GWA-1				
2630125009	GWA-2				
2630125010	GWA-2R				
2630125011	GWA-3				
2630125012	GWA-50				
2630125013	GWA-50R				
2630125014	GWA-4RZ				
2630125015	GWC-6				
2630125016	GWC-6RZ				
2630125017	GWC-7Z				
2630125018	GWC-8RR				
2630125019	GWC-9				
2630125020	GWC-10				
2630125021	GWC-10R				
2630125022	GWC-11				
2630125023	GWC-11R				
2630125024	GWC-12				
2630125025	GWC-5				
2630125026	GWC-8Z				
2630125027	GWC-13RZ				
2630125001	GWC-13	EPA 3010A	44838	EPA 6010D	44858
2630125002	GWC-14Z	EPA 3010A	44838	EPA 6010D	44858
2630125003	GWC-15R	EPA 3010A	44838	EPA 6010D	44858
2630125004	GWC-15Z	EPA 3010A	44863	EPA 6010D	44867
2630125008	GWA-1	EPA 3010A	44863	EPA 6010D	44867
2630125009	GWA-2	EPA 3010A	44863	EPA 6010D	44867
2630125010	GWA-2R	EPA 3010A	44863	EPA 6010D	44867
2630125011	GWA-3	EPA 3010A	44863	EPA 6010D	44867
2630125012	GWA-50	EPA 3010A	44863	EPA 6010D	44867
2630125013	GWA-50R	EPA 3010A	44863	EPA 6010D	44867
2630125014	GWA-4RZ	EPA 3010A	44863	EPA 6010D	44867
2630125015	GWC-6	EPA 3010A	44863	EPA 6010D	44867
2630125016	GWC-6RZ	EPA 3010A	44863	EPA 6010D	44867
2630125017	GWC-7Z	EPA 3010A	44880	EPA 6010D	44899
2630125018	GWC-8RR	EPA 3010A	44880	EPA 6010D	44899
2630125019	GWC-9	EPA 3010A	44880	EPA 6010D	44899
2630125020	GWC-10	EPA 3010A	44880	EPA 6010D	44899
2630125021	GWC-10R	EPA 3010A	44880	EPA 6010D	44899
2630125022	GWC-11	EPA 3010A	44880	EPA 6010D	44899
2630125023	GWC-11R	EPA 3010A	44880	EPA 6010D	44899
2630125024	GWC-12	EPA 3010A	44880	EPA 6010D	44899
2630125025	GWC-5	EPA 3010A	44881	EPA 6010D	44898
2630125026	GWC-8Z	EPA 3010A	44881	EPA 6010D	44898

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN CELLS 1&2
Pace Project No.: 2630125

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630125027	GWC-13RZ	EPA 3010A	44914	EPA 6010D	44927
2630125001	GWC-13	EPA 3005A	44725	EPA 6020B	44728
2630125002	GWC-14Z	EPA 3005A	44725	EPA 6020B	44728
2630125003	GWC-15R	EPA 3005A	44725	EPA 6020B	44728
2630125004	GWC-15Z	EPA 3005A	44725	EPA 6020B	44728
2630125008	GWA-1	EPA 3005A	44725	EPA 6020B	44728
2630125009	GWA-2	EPA 3005A	44725	EPA 6020B	44728
2630125010	GWA-2R	EPA 3005A	44725	EPA 6020B	44728
2630125011	GWA-3	EPA 3005A	44929	EPA 6020B	44930
2630125012	GWA-50	EPA 3005A	44929	EPA 6020B	44930
2630125013	GWA-50R	EPA 3005A	44862	EPA 6020B	44868
2630125014	GWA-4RZ	EPA 3005A	44862	EPA 6020B	44868
2630125015	GWC-6	EPA 3005A	44862	EPA 6020B	44868
2630125016	GWC-6RZ	EPA 3005A	44862	EPA 6020B	44868
2630125017	GWC-7Z	EPA 3005A	44862	EPA 6020B	44868
2630125018	GWC-8RR	EPA 3005A	44862	EPA 6020B	44868
2630125019	GWC-9	EPA 3005A	44862	EPA 6020B	44868
2630125020	GWC-10	EPA 3005A	44862	EPA 6020B	44868
2630125021	GWC-10R	EPA 3005A	44862	EPA 6020B	44868
2630125022	GWC-11	EPA 3005A	44960	EPA 6020B	44970
2630125023	GWC-11R	EPA 3005A	44862	EPA 6020B	44868
2630125024	GWC-12	EPA 3005A	44862	EPA 6020B	44868
2630125025	GWC-5	EPA 3005A	44893	EPA 6020B	44900
2630125026	GWC-8Z	EPA 3005A	44893	EPA 6020B	44900
2630125027	GWC-13RZ	EPA 3005A	44893	EPA 6020B	44900
2630125001	GWC-13	EPA 7470A	44827	EPA 7470A	44845
2630125002	GWC-14Z	EPA 7470A	44827	EPA 7470A	44845
2630125003	GWC-15R	EPA 7470A	44827	EPA 7470A	44845
2630125004	GWC-15Z	EPA 7470A	44827	EPA 7470A	44845
2630125008	GWA-1	EPA 7470A	44827	EPA 7470A	44845
2630125009	GWA-2	EPA 7470A	44827	EPA 7470A	44845
2630125010	GWA-2R	EPA 7470A	44827	EPA 7470A	44845
2630125011	GWA-3	EPA 7470A	44827	EPA 7470A	44845
2630125012	GWA-50	EPA 7470A	44827	EPA 7470A	44845
2630125013	GWA-50R	EPA 7470A	44827	EPA 7470A	44845
2630125014	GWA-4RZ	EPA 7470A	44827	EPA 7470A	44845
2630125015	GWC-6	EPA 7470A	44832	EPA 7470A	44846
2630125016	GWC-6RZ	EPA 7470A	44832	EPA 7470A	44846
2630125017	GWC-7Z	EPA 7470A	44832	EPA 7470A	44846
2630125018	GWC-8RR	EPA 7470A	44832	EPA 7470A	44846
2630125019	GWC-9	EPA 7470A	44832	EPA 7470A	44846
2630125020	GWC-10	EPA 7470A	44832	EPA 7470A	44846
2630125021	GWC-10R	EPA 7470A	44832	EPA 7470A	44846
2630125022	GWC-11	EPA 7470A	44832	EPA 7470A	44846

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630125023	GWC-11R	EPA 7470A	44832	EPA 7470A	44846
2630125024	GWC-12	EPA 7470A	44832	EPA 7470A	44846
2630125025	GWC-5	EPA 7470A	44832	EPA 7470A	44846
2630125026	GWC-8Z	EPA 7470A	44832	EPA 7470A	44846
2630125027	GWC-13RZ	EPA 7470A	44903	EPA 7470A	44921
2630125001	GWC-13	SM 2540C	44741		
2630125002	GWC-14Z	SM 2540C	44802		
2630125003	GWC-15R	SM 2540C	44802		
2630125004	GWC-15Z	SM 2540C	44802		
2630125008	GWA-1	SM 2540C	44706		
2630125009	GWA-2	SM 2540C	44706		
2630125010	GWA-2R	SM 2540C	44706		
2630125011	GWA-3	SM 2540C	44706		
2630125012	GWA-50	SM 2540C	44706		
2630125013	GWA-50R	SM 2540C	44706		
2630125014	GWA-4RZ	SM 2540C	44706		
2630125015	GWC-6	SM 2540C	44741		
2630125016	GWC-6RZ	SM 2540C	44741		
2630125017	GWC-7Z	SM 2540C	44741		
2630125018	GWC-8RR	SM 2540C	44741		
2630125019	GWC-9	SM 2540C	44741		
2630125020	GWC-10	SM 2540C	44741		
2630125021	GWC-10R	SM 2540C	44741		
2630125022	GWC-11	SM 2540C	44741		
2630125023	GWC-11R	SM 2540C	44741		
2630125024	GWC-12	SM 2540C	44741		
2630125025	GWC-5	SM 2540C	44814		
2630125026	GWC-8Z	SM 2540C	44814		
2630125027	GWC-13RZ	SM 2540C	44814		
2630125001	GWC-13	EPA 300.0 Rev 2.1 1993	531041		
2630125002	GWC-14Z	EPA 300.0 Rev 2.1 1993	531041		
2630125003	GWC-15R	EPA 300.0 Rev 2.1 1993	531041		
2630125004	GWC-15Z	EPA 300.0 Rev 2.1 1993	531041		
2630125008	GWA-1	EPA 300.0 Rev 2.1 1993	531364		
2630125009	GWA-2	EPA 300.0 Rev 2.1 1993	531364		
2630125010	GWA-2R	EPA 300.0 Rev 2.1 1993	531364		
2630125011	GWA-3	EPA 300.0 Rev 2.1 1993	531364		
2630125012	GWA-50	EPA 300.0 Rev 2.1 1993	531364		
2630125013	GWA-50R	EPA 300.0 Rev 2.1 1993	531364		
2630125014	GWA-4RZ	EPA 300.0 Rev 2.1 1993	531364		
2630125015	GWC-6	EPA 300.0 Rev 2.1 1993	531364		
2630125016	GWC-6RZ	EPA 300.0 Rev 2.1 1993	531364		
2630125017	GWC-7Z	EPA 300.0 Rev 2.1 1993	531364		
2630125018	GWC-8RR	EPA 300.0 Rev 2.1 1993	531364		
2630125019	GWC-9	EPA 300.0 Rev 2.1 1993	531364		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN CELLS 1&2

Pace Project No.: 2630125

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630125020	GWC-10	EPA 300.0 Rev 2.1 1993	531364		
2630125021	GWC-10R	EPA 300.0 Rev 2.1 1993	531364		
2630125022	GWC-11	EPA 300.0 Rev 2.1 1993	531364		
2630125023	GWC-11R	EPA 300.0 Rev 2.1 1993	531364		
2630125024	GWC-12	EPA 300.0 Rev 2.1 1993	531364		
2630125025	GWC-5	EPA 300.0 Rev 2.1 1993	531787		
2630125026	GWC-8Z	EPA 300.0 Rev 2.1 1993	531787		
2630125027	GWC-13RZ	EPA 300.0 Rev 2.1 1993	531787		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

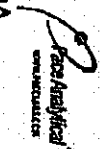
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Client Information: Agency: Georgia Power Address: 1003 Weatherstone Parkway Atlanta, GA 30318 Attn: Kevin Stephenson Email: kevin.stephenson@gepower.com Phone: (478)544-9415 Fax:		Section B Requested Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn Purchase Order #: Project Name: First Brown Cells 1&2 Project #:		Section C Invoice Information: Attention: Company Name: Address: P.O. Box: Project Manager: kevin.stephenson@gepower.com P.O. Profile #:	
Requested Analysis: Filtered (Y/N)		Residual Chlorine (Y/N)		State / Location: GA	

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH
			START DATE	START TIME			END DATE	END TIME	Unpreserved	H2SO4	HNO3	HCl	NaOH				
3	GWC-10	WT															
4	GWC-10R	WT															
5	GWC-11	WT															
6	GWC-11R	WT															
7	GWC-12	WT															
8	GWC-13	WT	3/13/20	12:22		3	2	1									PH: 7.25
9	GWC-13R2	WT															
10	GWC-14Z	WT	3/13/20	13:31		3	2	1									PH: 6.16
11	GWC-18R	WT	3/13/20	12:24		3	2	1									PH: 7.56
12	GWC-18Z	WT	3/13/20	09:56		3	2	1									PH: 7.68
13	GWA-50	WT															
14	GWA-50R	WT															

ADDITIONAL COMMENTS: Willaker/Resolute		RECOMMENDED BY / AFFILIATION: 3/13/20		DATE: 3/13/20		TIME: 3:31		ACCEPTED BY / AFFILIATION: J. W. Mangrove / Pace		DATE: 3/13/20		TIME: 15:31		SAMPLE CONDITIONS: TEMP in C: 30 Y		Received on Ice (Y/N): Y		Custody Sealed (Y/N): Y		Cooler (Y/N): X		Samples Intact (Y/N): X	
---	--	--	--	------------------	--	---------------	--	---	--	------------------	--	----------------	--	---------------------------------------	--	--------------------------	--	-------------------------	--	-----------------	--	-------------------------	--

SIGNATURE AND SIGNATURE: PRINT NAME OF SAMPLER: Kevin Stephenson, Joe Booth, William Loaker SIGNATURE OF SAMPLER: <i>[Signature]</i> DATE SIGNED: 3/13/20	
--	--



CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
 Client Information:
 Company: Georgil Power
 Address: 1003 Washburnton Parkway
 Location: GA 30108
 Contact: Kevin Stephenson@georgilpower.com
 Phone: (678)546-9415
 Fax: _____

Section B
 Requested Project Information:
 Report To: Kevin Stephenson
 Copy To: Kevin Stephenson
 Purchase Order #: _____
 Project Name: Plant Bowen Cells 1&2
 Project #: _____

Section C
 Invoice Information:
 Attention: _____
 Company Name: _____
 Address: _____
 Phone: _____
 Project Manager: Kevin Stephenson@georgilpower.com
 Price Profile #: _____

Section D
 Requested Analytical Method (Y/N):
 Metals 60207470 _____
 Cl, F, SO4 _____
 TDS _____

SAMPLE ID
 One Character per box.
 (A-Z, 0-9, -, .)

Sample IDs must be unique

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analytical Test	Requested Analytical Method (Y/N)	Residual Chlorine (Y/N)
			START DATE/TIME	END DATE/TIME						
GWA-1	WT		3/11/25			3 2	1			
GWA-2	WT		3/11/25	11:32		3 2	1			2630125
GWA-2R	WT		3/11/25	12:46		3 2	1			6.56 009
GWA-3	WT		3/11/25	12:46		3 2	1			7.09 010
GWA-4R2	WT									5.31 011
GWC-1	WT									
GWC-2	WT									
GWC-3	WT									
GWC-4	WT									
GWC-5	WT									
GWC-6	WT									
GWC-7	WT									
GWC-8	WT									
GWC-9	WT									
GWC-10	WT									

ADDITIONAL COMMENTS
 VOID STAMPED
 SAMPLED BY: Andy Ward
 DATE: 3/13 TIME: 5:00
 RECEIVED BY: Andy Ward
 DATE: 3/13 TIME: 5:00

SAMPLER NAME AND SIGNATURE
 PRINT NAME OF SAMPLER: Andy Ward
 SIGNATURE: [Signature]
 DATE SIGNED: 3/11/25

TEMP In C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Agency: Georgia Power	Address: 1003 Weatherstone Parkway Roswell, GA 30088	Report To: Kevin Stephenson	Copy To: [Signature]	Attention: [Signature]	Company Name: [Signature]
Client: Kevin.Stephenson@gepower.com	Phone: (678)546-4415	Project Name: Print Bowen Cells 1&2	Project #: [Signature]	Person Name: Kevin.Jordan@pacalified.com	Person Title: [Signature]
Requested Date: [Signature]		Purchase Order #: [Signature]		Person Project Manager: Kevin.Jordan@pacalified.com	Person Profile #: [Signature]
					Requested Analysis: [Signature]

ITEM #	SAMPLE ID One Character per box (A-Z, 0-9, -)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Initiated (Y/N)	Residual Chlorine (Y/N)	
				START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other
13	GWC-10	WT															
14	GWC-10R	WT															
15	GWC-11	WT															
16	GWC-11R	WT															
17	GWC-12	WT															
18	GWC-13	WT															
19	GWC-13R2	WT															
20	GWC-14	WT															
21	GWC-14R	WT															
22	GWC-15	WT															
23	GWA-50	WT															
24	GWA-50R	WT															

ADDITIONAL COMMENTS		RETRIEVED BY / DATE		ACQUIRED BY / DATE		ANALYSIS DATE		ANALYSIS TIME	
[Signature]		[Signature] 3/13/15		[Signature] 3/12/15		3/13/15		5:00	
[Signature]		[Signature] 3/13/15		[Signature] 3/12/15		3/13/15		5:00	

TEMP in C	Received on Ice (Y/N)	Custody Sealed / Cooled (Y/N)	Samples Intact (Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Client Information:
 Agency: Georgia Power
 Address: 1003 Weatherstone Parkway
 City: Marietta, GA 30188
 Contact: Keith Stephenson
 Email: keith.stephenson@ge.com
 Phone: (678) 548-9415
 Fax: (678) 548-9415
 Request Date: _____

Section B
 Required Project Information:
 Report To: Keith Stephenson
 Copy To: Pace Analytical
 Purchase Order #: _____
 Project Name: Plant Bowen Cells 1&2
 Project #: _____

Section C
 Invoice Information:
 Attention: _____
 Company Name: _____
 Address: _____
 Pace Order #: _____
 Pace Project Manager: keith.lanning@pace.com
 Pace Profile #: _____

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES										Analyse Test	Residual Chlorine (Y/N)
			START DATE	END DATE			H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals 6020/7470	Cl, F, SO4	TDS		
1	GWC-1	WT				Unpreserved												
2	GWC-2	WT																
3	GWC-3	WT																
4	GWC-4	WT																
5	GWC-5	WT																
6	GWC-6	WT																
7	GWC-7	WT																
8	GWC-8	WT																
9	GWC-9	WT																
10	GWC-10	WT																
11	GWC-11	WT																
12	GWC-12	WT																

ADDITIONAL COMMENTS
 REQUIRED BY / AFFILIATION: _____ DATE: _____ TIME: _____
 ACCEPTED BY / AFFILIATION: _____ DATE: _____ TIME: _____
 LAB. CONDITIONS: _____

TEMP in C
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
 PRINT NAME OF SAMPLER: _____
 SIGNATURE OF SAMPLER: _____ DATE: _____
 ACCEPTED BY: _____ DATE: _____



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

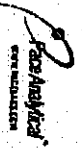
Section A
 Client Information: Georgia Power, 1003 Westhollows Parkway, Marietta, GA 30189
 Contact: Kavin Alphonso @kavinalphonso.com, (678) 548-9415
 Project Name: Plant Bowen Cells 122
 Project #:
 Requested Analytic:
 Residual Chlorine (Y/N)
 State / Location: GA

Section B
 Requested Project Information: Report To: Kavin Alphonso, Copy To:
 Purchase Order #:
 Invoice Information: Attention:
 Company Name:
 Address:
 POC Name:
 Plant Project Manager:
 POC Profile #:
 Regulatory Agency:
 Page: 2 of 2

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test	Residual Chlorine (Y/N)				
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other			
13	GWC-10	WT	3/12/20		3	2	1											6.43	020
14	GWC-10R	WT	3/12/20		3	2	1											7.49	021
15	GWC-11	WT	3/12/20		3	2	1											6.30	022
16	GWC-11R	WT	3/12/20		3	2	1											7.60	023
17	GWC-12	WT	3/12/20		3	2	1											6.17	024
18	GWC-13	WT																	
19	GWC-14	WT																	
20	GWC-15	WT																	
21	GWC-16	WT																	
22	GWC-17	WT																	
23	GWC-18	WT																	
24	GWC-19	WT																	

Section C
 ADDITIONAL COMMENTS:
 REL INBOUNDED BY / AFFILIATION:
 DATE:
 TIME:
 ACCEPTED BY / AFFILIATION:
 DATE:
 TIME:
 SAMPLE CONDITIONS:
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

Sampler Name and Signature:
 PRINT NAME OF SAMPLER:
 SIGNATURE OF SAMPLER:
 DATE:
 TIME:
 ACCEPTED BY / AFFILIATION:
 DATE:
 TIME:
 SAMPLE CONDITIONS:



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Initial Client Information:
 Agency: Georgia Power
 Address: 1003 Weatherstone Parkway
 Roswell, GA 30088
 Contact: Kevin Herring (kwherring@ge.com)
 Phone: (770) 546-9415
 Fax: [blank]

Section B Requested Project Information:
 Report To: Kevin Herring
 Copy To: [blank]
 Purchase Order #: 6415
 Project Name: Plant Bowen Cells 1&2
 Project #: [blank]

Section C Invoice Information:
 Attention: [blank]
 Company Name: [blank]
 Address: [blank]
 P.O. Box: [blank]
 Project Manager: Kevin Herring
 Email: kherring@pucells.com
 Fax Profile #: [blank]

#	METHOD	CODED	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analytes Test	Residual Chlorine (Y/N)		
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				
1	GW101	WT																
2	GW102	WT																
3	GW103	WT																
4	GW104	WT																
5	GW105	WT																
6	GW106	WT																
7	GW107	WT																
8	GW108	WT																
9	GW109	WT																
10	GW110	WT																
11	GW111	WT																
12	GW112	WT																
13	GW113	WT																
14	GW114	WT																
15	GW115	WT																
16	GW116	WT																
17	GW117	WT																
18	GW118	WT																
19	GW119	WT																
20	GW120	WT																

ADDITIONAL COMMENTS:

REQUISITION BY / AFFILIATION: [blank]

DATE: 3/16/20 **TIME:** 5:00

ACQUISITION / AFFILIATION: [blank]

DATE: 3/18/20 **TIME:** 1537

ANALYST: [blank]

DATE SIGNED: 3-16-20

TEMP IN C: [blank]

Received on Ice (Y/N): [blank]

Custody Sealed / Cooler (Y/N): [blank]

Sample Intact (Y/N): [blank]

March 30, 2020

Joju Abraham
Georgia Power - Coal Combustion Residuals
2480 Maner Road
Atlanta, GA 30339

RE: Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between March 13, 2020 and March 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Herring
kevin.herring@pacelabs.com
(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Michelle Barker, Wood E&I Solutions, Inc.
Kristen Jurinko
Lauren Petty, Southern Company Services, Inc.
Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw
Greg Wrenn, Wood PLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Pace Analytical Services Atlanta

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

Massachusetts Certification #: M-NC030

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2630143001	DUP-1	Water	03/11/20 00:00	03/14/20 09:00
2630143002	FBL031120	Water	03/11/20 17:05	03/14/20 09:00
2630143003	EQBL031120	Water	03/11/20 17:01	03/14/20 09:00
2630143004	DUP-2	Water	03/12/20 00:00	03/14/20 09:00
2630143005	FBL031220	Water	03/12/20 14:40	03/14/20 09:00
2630143006	EQBL031220	Water	03/12/20 14:46	03/14/20 09:00
2630125005	DUP-3	Water	03/13/20 00:00	03/13/20 15:31
2630125006	FBL031320	Water	03/13/20 13:32	03/13/20 15:31
2630125007	EQBL031320	Water	03/13/20 13:37	03/13/20 15:31

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2630143001	DUP-1	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630143002	FBL031120	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630143003	EQBL031120	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630143004	DUP-2	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630143005	FBL031220	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630143006	EQBL031220	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125005	DUP-3	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630125006	FBL031320	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2630125007	EQBL031320	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2630143001	DUP-1					
EPA 6010D	Calcium	47.2	mg/L	1.0	03/24/20 20:58	
EPA 6020B	Antimony	0.0020J	mg/L	0.0030	03/25/20 19:19	
EPA 6020B	Barium	0.027	mg/L	0.010	03/25/20 19:19	
EPA 6020B	Boron	0.022J	mg/L	0.040	03/25/20 19:19	
EPA 6020B	Chromium	0.0014J	mg/L	0.010	03/25/20 19:19	B
EPA 6020B	Copper	0.00095J	mg/L	0.025	03/25/20 19:19	
EPA 6020B	Lead	0.000051J	mg/L	0.0050	03/25/20 19:19	
EPA 6020B	Nickel	0.00032J	mg/L	0.010	03/25/20 19:19	
EPA 6020B	Thallium	0.000076J	mg/L	0.0010	03/25/20 19:19	
EPA 6020B	Zinc	0.0033J	mg/L	0.010	03/25/20 19:19	
SM 2540C	Total Dissolved Solids	249	mg/L	10.0	03/17/20 14:06	
EPA 300.0 Rev 2.1 1993	Chloride	0.67J	mg/L	1.0	03/20/20 20:37	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.30	03/20/20 20:37	
EPA 300.0 Rev 2.1 1993	Sulfate	32.1	mg/L	1.0	03/20/20 20:37	
2630143002	FBL031120					
EPA 6020B	Chromium	0.0020J	mg/L	0.010	03/24/20 18:53	B
EPA 6020B	Nickel	0.00081J	mg/L	0.010	03/24/20 18:53	
EPA 6020B	Zinc	0.0024J	mg/L	0.010	03/24/20 18:53	B
2630143003	EQBL031120					
EPA 6020B	Chromium	0.00092J	mg/L	0.010	03/24/20 18:59	B
EPA 6020B	Zinc	0.0028J	mg/L	0.010	03/24/20 18:59	B
2630143004	DUP-2					
EPA 6010D	Calcium	31.3	mg/L	1.0	03/24/20 21:08	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	03/24/20 19:05	B
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	03/24/20 19:05	
EPA 6020B	Barium	0.020	mg/L	0.010	03/24/20 19:05	
EPA 6020B	Chromium	0.0048J	mg/L	0.010	03/24/20 19:05	B
EPA 6020B	Copper	0.00041J	mg/L	0.025	03/24/20 19:05	
EPA 6020B	Lead	0.000052J	mg/L	0.0050	03/24/20 19:05	
EPA 6020B	Vanadium	0.0010J	mg/L	0.010	03/24/20 19:05	
EPA 6020B	Zinc	0.0053J	mg/L	0.010	03/24/20 19:05	B
SM 2540C	Total Dissolved Solids	103	mg/L	10.0	03/19/20 13:45	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	03/20/20 10:38	
EPA 300.0 Rev 2.1 1993	Sulfate	3.2	mg/L	1.0	03/20/20 10:38	
2630143005	FBL031220					
EPA 6020B	Chromium	0.0026J	mg/L	0.010	03/24/20 19:10	B
EPA 6020B	Zinc	0.0027J	mg/L	0.010	03/24/20 19:10	B
EPA 300.0 Rev 2.1 1993	Sulfate	0.99J	mg/L	1.0	03/20/20 10:52	
2630143006	EQBL031220					
EPA 6020B	Chromium	0.00077J	mg/L	0.010	03/24/20 19:16	B
EPA 6020B	Copper	0.00019J	mg/L	0.025	03/24/20 19:16	
EPA 6020B	Zinc	0.0027J	mg/L	0.010	03/24/20 19:16	B
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	03/20/20 11:06	

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SUMMARY OF DETECTION

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2630125005	DUP-3					
EPA 6010D	Calcium	24.7	mg/L	1.0	03/24/20 20:40	
EPA 6020B	Arsenic	0.00069J	mg/L	0.0050	03/24/20 18:30	
EPA 6020B	Barium	0.014	mg/L	0.010	03/24/20 18:30	
EPA 6020B	Chromium	0.0012J	mg/L	0.010	03/24/20 18:30	B
EPA 6020B	Lead	0.000073J	mg/L	0.0050	03/24/20 18:30	
EPA 6020B	Vanadium	0.0011J	mg/L	0.010	03/24/20 18:30	
EPA 6020B	Zinc	0.0026J	mg/L	0.010	03/24/20 18:30	B
SM 2540C	Total Dissolved Solids	100	mg/L	10.0	03/20/20 19:12	
EPA 300.0 Rev 2.1 1993	Chloride	0.86J	mg/L	1.0	03/18/20 17:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.40	mg/L	0.30	03/18/20 17:01	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	03/18/20 17:01	
2630125006	FBL031320					
EPA 6020B	Zinc	0.0022J	mg/L	0.010	03/24/20 18:36	B
EPA 300.0 Rev 2.1 1993	Fluoride	0.16J	mg/L	0.30	03/18/20 17:16	
2630125007	EQBL031320					
EPA 6020B	Chromium	0.0010J	mg/L	0.010	03/24/20 18:42	B
EPA 6020B	Zinc	0.0033J	mg/L	0.010	03/24/20 18:42	B
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.30	03/18/20 17:30	

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Sample: DUP-1		Lab ID: 2630143001		Collected: 03/11/20 00:00		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	47.2	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 20:58	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	0.0020J	mg/L	0.0030	0.00027	1	03/25/20 15:06	03/25/20 19:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/25/20 15:06	03/25/20 19:19	7440-38-2	
Barium	0.027	mg/L	0.010	0.00049	1	03/25/20 15:06	03/25/20 19:19	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/25/20 15:06	03/25/20 19:19	7440-41-7	
Boron	0.022J	mg/L	0.040	0.0049	1	03/25/20 15:06	03/25/20 19:19	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/25/20 15:06	03/25/20 19:19	7440-43-9	
Chromium	0.0014J	mg/L	0.010	0.00039	1	03/25/20 15:06	03/25/20 19:19	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/25/20 15:06	03/25/20 19:19	7440-48-4	
Copper	0.00095J	mg/L	0.025	0.00019	1	03/25/20 15:06	03/25/20 19:19	7440-50-8	
Lead	0.000051J	mg/L	0.0050	0.000046	1	03/25/20 15:06	03/25/20 19:19	7439-92-1	
Nickel	0.00032J	mg/L	0.010	0.00031	1	03/25/20 15:06	03/25/20 19:19	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/25/20 15:06	03/25/20 19:19	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/25/20 15:06	03/25/20 19:19	7440-22-4	
Thallium	0.000076J	mg/L	0.0010	0.000052	1	03/25/20 15:06	03/25/20 19:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/25/20 15:06	03/25/20 19:19	7440-62-2	
Zinc	0.0033J	mg/L	0.010	0.0015	1	03/25/20 15:06	03/25/20 19:19	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:45	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	249	mg/L	10.0	10.0	1		03/17/20 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	0.67J	mg/L	1.0	0.60	1		03/20/20 20:37	16887-00-6	
Fluoride	0.057J	mg/L	0.30	0.050	1		03/20/20 20:37	16984-48-8	
Sulfate	32.1	mg/L	1.0	0.50	1		03/20/20 20:37	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Sample: FBL031120		Lab ID: 2630143002		Collected: 03/11/20 17:05		Received: 03/14/20 09:00		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	ND	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:01	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 18:53	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 18:53	7440-38-2		
Barium	ND	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 18:53	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 18:53	7440-41-7		
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 18:53	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 18:53	7440-43-9		
Chromium	0.0020J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 18:53	7440-47-3	B	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 18:53	7440-48-4		
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 18:53	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 18:53	7439-92-1		
Nickel	0.00081J	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 18:53	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 18:53	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 18:53	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 18:53	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 18:53	7440-62-2		
Zinc	0.0024J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 18:53	7440-66-6	B	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:48	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/18/20 18:31			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	ND	mg/L	1.0	0.60	1		03/21/20 19:42	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		03/21/20 19:42	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		03/21/20 19:42	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Sample: EQBL031120		Lab ID: 2630143003		Collected: 03/11/20 17:01		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:05	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 18:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 18:59	7440-38-2	
Barium	ND	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 18:59	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 18:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 18:59	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 18:59	7440-43-9	
Chromium	0.00092J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 18:59	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 18:59	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 18:59	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 18:59	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 18:59	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 18:59	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 18:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 18:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 18:59	7440-62-2	
Zinc	0.0028J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 18:59	7440-66-6	B
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:50	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/18/20 18:32		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/21/20 21:06	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/21/20 21:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/21/20 21:06	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Sample: DUP-2		Lab ID: 2630143004		Collected: 03/12/20 00:00		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	31.3	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:08	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	0.0011J	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 19:05	7440-36-0	B
Arsenic	0.0012J	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 19:05	7440-38-2	
Barium	0.020	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 19:05	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 19:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 19:05	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 19:05	7440-43-9	
Chromium	0.0048J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 19:05	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 19:05	7440-48-4	
Copper	0.00041J	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 19:05	7440-50-8	
Lead	0.000052J	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 19:05	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 19:05	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 19:05	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 19:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 19:05	7440-28-0	
Vanadium	0.0010J	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 19:05	7440-62-2	
Zinc	0.0053J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 19:05	7440-66-6	B
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:57	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	103	mg/L	10.0	10.0	1		03/19/20 13:45		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	1.5	mg/L	1.0	0.60	1		03/20/20 10:38	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/20/20 10:38	16984-48-8	
Sulfate	3.2	mg/L	1.0	0.50	1		03/20/20 10:38	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Sample: FBL031220		Lab ID: 2630143005		Collected: 03/12/20 14:40	Received: 03/14/20 09:00	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	ND	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:12	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 19:10	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 19:10	7440-38-2		
Barium	ND	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 19:10	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 19:10	7440-41-7		
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 19:10	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 19:10	7440-43-9		
Chromium	0.0026J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 19:10	7440-47-3	B	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 19:10	7440-48-4		
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 19:10	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 19:10	7439-92-1		
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 19:10	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 19:10	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 19:10	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 19:10	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 19:10	7440-62-2		
Zinc	0.0027J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 19:10	7440-66-6	B	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:00	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/19/20 13:45			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	ND	mg/L	1.0	0.60	1		03/20/20 10:52	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		03/20/20 10:52	16984-48-8		
Sulfate	0.99J	mg/L	1.0	0.50	1		03/20/20 10:52	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Sample: EQBL031220		Lab ID: 2630143006		Collected: 03/12/20 14:46		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:16	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 19:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 19:16	7440-38-2	
Barium	ND	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 19:16	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 19:16	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 19:16	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 19:16	7440-43-9	
Chromium	0.00077J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 19:16	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 19:16	7440-48-4	
Copper	0.00019J	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 19:16	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 19:16	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 19:16	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 19:16	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 19:16	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 19:16	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 19:16	7440-62-2	
Zinc	0.0027J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 19:16	7440-66-6	B
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 13:02	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/19/20 13:46		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/20/20 11:06	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/20/20 11:06	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		03/20/20 11:06	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Sample: DUP-3		Lab ID: 2630125005		Collected: 03/13/20 00:00		Received: 03/13/20 15:31		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	24.7	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 20:40	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 18:30	7440-36-0		
Arsenic	0.00069J	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 18:30	7440-38-2		
Barium	0.014	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 18:30	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 18:30	7440-41-7		
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 18:30	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 18:30	7440-43-9		
Chromium	0.0012J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 18:30	7440-47-3	B	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 18:30	7440-48-4		
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 18:30	7440-50-8		
Lead	0.000073J	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 18:30	7439-92-1		
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 18:30	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 18:30	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 18:30	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 18:30	7440-28-0		
Vanadium	0.0011J	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 18:30	7440-62-2		
Zinc	0.0026J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 18:30	7440-66-6	B	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:38	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	100	mg/L	10.0	10.0	1		03/20/20 19:12			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	0.86J	mg/L	1.0	0.60	1		03/18/20 17:01	16887-00-6		
Fluoride	0.40	mg/L	0.30	0.050	1		03/18/20 17:01	16984-48-8		
Sulfate	1.2	mg/L	1.0	0.50	1		03/18/20 17:01	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Sample: FBL031320		Lab ID: 2630125006		Collected: 03/13/20 13:32		Received: 03/13/20 15:31		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	ND	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 20:44	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 18:36	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 18:36	7440-38-2		
Barium	ND	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 18:36	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 18:36	7440-41-7		
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 18:36	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 18:36	7440-43-9		
Chromium	ND	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 18:36	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 18:36	7440-48-4		
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 18:36	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 18:36	7439-92-1		
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 18:36	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 18:36	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 18:36	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 18:36	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 18:36	7440-62-2		
Zinc	0.0022J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 18:36	7440-66-6	B	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:40	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/20/20 19:12			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	ND	mg/L	1.0	0.60	1		03/18/20 17:16	16887-00-6		
Fluoride	0.16J	mg/L	0.30	0.050	1		03/18/20 17:16	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		03/18/20 17:16	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Sample: EQBL031320		Lab ID: 2630125007		Collected: 03/13/20 13:37		Received: 03/13/20 15:31		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	ND	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 20:54	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 18:42	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 18:42	7440-38-2		
Barium	ND	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 18:42	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 18:42	7440-41-7		
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 18:42	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 18:42	7440-43-9		
Chromium	0.0010J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 18:42	7440-47-3	B	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 18:42	7440-48-4		
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 18:42	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 18:42	7439-92-1		
Nickel	ND	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 18:42	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 18:42	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 18:42	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 18:42	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 18:42	7440-62-2		
Zinc	0.0033J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 18:42	7440-66-6	B	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/23/20 11:30	03/24/20 12:43	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/20/20 19:12			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	ND	mg/L	1.0	0.60	1		03/18/20 17:30	16887-00-6		
Fluoride	0.065J	mg/L	0.30	0.050	1		03/18/20 17:30	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		03/18/20 17:30	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

QC Batch: 44827 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Associated Lab Samples: 2630125005, 2630125006, 2630125007, 2630143001, 2630143002, 2630143003, 2630143004, 2630143005, 2630143006

METHOD BLANK: 206281 Matrix: Water
 Associated Lab Samples: 2630125005, 2630125006, 2630125007, 2630143001, 2630143002, 2630143003, 2630143004, 2630143005, 2630143006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/24/20 12:12	

LABORATORY CONTROL SAMPLE: 206282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206283 206284

Parameter	Units	2630125001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0026	95	104	75-125	9	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

QC Batch:	44863	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D MET
Associated Lab Samples:	2630125005, 2630125006, 2630125007, 2630143001, 2630143002, 2630143003, 2630143004, 2630143005, 2630143006		

METHOD BLANK:	206402	Matrix:	Water
Associated Lab Samples:	2630125005, 2630125006, 2630125007, 2630143001, 2630143002, 2630143003, 2630143004, 2630143005, 2630143006		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/24/20 20:19	

LABORATORY CONTROL SAMPLE: 206403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206404 206405

Parameter	Units	2630125004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	24.2	1	1	25.5	25.3	133	115	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

QC Batch: 44725 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Associated Lab Samples: 2630125005, 2630125006, 2630125007, 2630143002, 2630143003, 2630143004, 2630143005, 2630143006

METHOD BLANK: 205651 Matrix: Water
Associated Lab Samples: 2630125005, 2630125006, 2630125007, 2630143002, 2630143003, 2630143004, 2630143005, 2630143006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00029J	0.0030	0.00027	03/24/20 17:15	
Arsenic	mg/L	ND	0.0050	0.00035	03/24/20 17:15	
Barium	mg/L	ND	0.010	0.00049	03/24/20 17:15	
Beryllium	mg/L	ND	0.0030	0.000074	03/24/20 17:15	
Boron	mg/L	ND	0.040	0.0049	03/24/20 17:15	
Cadmium	mg/L	ND	0.0025	0.00011	03/24/20 17:15	
Chromium	mg/L	0.0013J	0.010	0.00039	03/24/20 17:15	
Cobalt	mg/L	ND	0.0050	0.00030	03/24/20 17:15	
Copper	mg/L	ND	0.025	0.00019	03/24/20 17:15	
Lead	mg/L	ND	0.0050	0.000046	03/24/20 17:15	
Nickel	mg/L	ND	0.010	0.00031	03/24/20 17:15	
Selenium	mg/L	ND	0.010	0.0013	03/24/20 17:15	
Silver	mg/L	ND	0.010	0.00028	03/24/20 17:15	
Thallium	mg/L	ND	0.0010	0.000052	03/24/20 17:15	
Vanadium	mg/L	ND	0.010	0.00071	03/24/20 17:15	
Zinc	mg/L	0.0018J	0.010	0.0015	03/24/20 17:15	

LABORATORY CONTROL SAMPLE: 205652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	1.1	105	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 205653		205654		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2630003002 Result	MS Spike Conc.	MSD Spike Conc.									
Antimony	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.098	0.10	97	101	75-125	4	20		
Barium	mg/L	0.019	0.1	0.1	0.12	0.12	101	104	75-125	3	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	3	20		
Boron	mg/L	ND	1	1	1.1	1.1	104	107	75-125	3	20		
Cadmium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	102	104	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.11	102	104	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.097	0.099	96	99	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.095	0.10	94	99	75-125	6	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	100	103	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	103	105	75-125	1	20		
Zinc	mg/L	ND	0.1	0.1	0.11	0.11	97	99	75-125	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

QC Batch: 44929	Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A	Analysis Description: 6020B MET
Associated Lab Samples: 2630143001	

METHOD BLANK: 206699 Matrix: Water

Associated Lab Samples: 2630143001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/25/20 19:08	
Arsenic	mg/L	ND	0.0050	0.00035	03/25/20 19:08	
Barium	mg/L	ND	0.010	0.00049	03/25/20 19:08	
Beryllium	mg/L	ND	0.0030	0.000074	03/25/20 19:08	
Boron	mg/L	ND	0.040	0.0049	03/25/20 19:08	
Cadmium	mg/L	ND	0.0025	0.00011	03/25/20 19:08	
Chromium	mg/L	0.0011J	0.010	0.00039	03/25/20 19:08	
Cobalt	mg/L	ND	0.0050	0.00030	03/25/20 19:08	
Copper	mg/L	ND	0.025	0.00019	03/25/20 19:08	
Lead	mg/L	ND	0.0050	0.000046	03/25/20 19:08	
Nickel	mg/L	ND	0.010	0.00031	03/25/20 19:08	
Selenium	mg/L	ND	0.010	0.0013	03/25/20 19:08	
Silver	mg/L	ND	0.010	0.00028	03/25/20 19:08	
Thallium	mg/L	ND	0.0010	0.000052	03/25/20 19:08	
Vanadium	mg/L	ND	0.010	0.00071	03/25/20 19:08	
Zinc	mg/L	ND	0.010	0.0015	03/25/20 19:08	

LABORATORY CONTROL SAMPLE: 206700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.093	93	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.10	104	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Silver	mg/L	0.1	0.094	94	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	
Zinc	mg/L	0.1	0.096	96	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Parameter	Units	2630143001		206701		206702		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	0.0020J	0.1	0.1	0.097	0.10	95	98	75-125	3	20			
Arsenic	mg/L	ND	0.1	0.1	0.096	0.099	95	99	75-125	3	20			
Barium	mg/L	0.027	0.1	0.1	0.12	0.12	94	98	75-125	3	20			
Beryllium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	3	20			
Boron	mg/L	0.022J	1	1	1.0	1.0	98	100	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	3	20			
Chromium	mg/L	0.0014J	0.1	0.1	0.10	0.10	99	100	75-125	1	20			
Cobalt	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	4	20			
Copper	mg/L	0.00095J	0.1	0.1	0.096	0.099	95	98	75-125	3	20			
Lead	mg/L	0.000051J	0.1	0.1	0.093	0.095	93	95	75-125	3	20			
Nickel	mg/L	0.00032J	0.1	0.1	0.095	0.097	95	97	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.089	0.097	88	96	75-125	8	20			
Silver	mg/L	ND	0.1	0.1	0.093	0.096	93	96	75-125	3	20			
Thallium	mg/L	0.000076J	0.1	0.1	0.094	0.097	94	97	75-125	4	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	99	105	75-125	6	20			
Zinc	mg/L	0.0033J	0.1	0.1	0.095	0.098	92	95	75-125	3	20			

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

QC Batch: 44653	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 2630143001	

LABORATORY CONTROL SAMPLE: 205174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	432	108	84-108	

SAMPLE DUPLICATE: 205175

Parameter	Units	2630133001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	115	119	3	10	

SAMPLE DUPLICATE: 205176

Parameter	Units	2630064006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	390	368	6	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

QC Batch: 44706 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 2630143002, 2630143003

LABORATORY CONTROL SAMPLE: 205508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	385	96	84-108	

SAMPLE DUPLICATE: 205509

Parameter	Units	2630143002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 205510

Parameter	Units	2630050002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	207	205	1	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

QC Batch: 44741 Analysis Method: SM 2540C
 QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
 Associated Lab Samples: 2630143004, 2630143005, 2630143006

LABORATORY CONTROL SAMPLE: 205767

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	364	91	84-108	

SAMPLE DUPLICATE: 205768

Parameter	Units	2630143004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	103	113	9	10	

SAMPLE DUPLICATE: 205769

Parameter	Units	2630125022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	96.0	104	8	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

QC Batch:	44802	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	2630125005, 2630125006, 2630125007		

LABORATORY CONTROL SAMPLE: 206142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	372	93	84-108	

SAMPLE DUPLICATE: 206143

Parameter	Units	2630287001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	143	134	6	10	H3

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

QC Batch: 531042 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Associated Lab Samples: 2630125005, 2630125006, 2630125007

METHOD BLANK: 2835536 Matrix: Water

Associated Lab Samples: 2630125005, 2630125006, 2630125007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/18/20 11:21	
Fluoride	mg/L	ND	0.10	0.050	03/18/20 11:21	
Sulfate	mg/L	ND	1.0	0.50	03/18/20 11:21	

LABORATORY CONTROL SAMPLE: 2835537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.7	97	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	47.9	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2835538 2835539

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2630000016 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	82.6	50	50	50	128	127	90	88	90-110	1	10	M1
Fluoride	mg/L	ND	2.5	2.5	2.5	1.6	1.6	60	62	90-110	4	10	M1
Sulfate	mg/L	380	50	50	50	427	422	93	83	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2835540 2835541

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92469620004 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	1.4	50	50	50	51.0	52.5	99	102	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	1.7	1.8	65	73	90-110	10	10	M1
Sulfate	mg/L	ND	50	50	50	49.3	52.4	98	104	90-110	6	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

QC Batch: 531369 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2630143004, 2630143005, 2630143006

METHOD BLANK: 2837032 Matrix: Water
Associated Lab Samples: 2630143004, 2630143005, 2630143006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/20/20 07:36	
Fluoride	mg/L	ND	0.10	0.050	03/20/20 07:36	
Sulfate	mg/L	ND	1.0	0.50	03/20/20 07:36	

LABORATORY CONTROL SAMPLE: 2837033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.6	106	90-110	
Sulfate	mg/L	50	51.5	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2837034 2837035

Parameter	Units	2630191001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	ND	ND	22	14	90-110		10	M6
Fluoride	mg/L	ND	2.5	2.5	ND	ND	56	52	90-110		10	M6
Sulfate	mg/L	159000	50	50	169000	173000	20900	28400	90-110	2	10	M6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2837036 2837037

Parameter	Units	92470103001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.5	50	50	95.2	84.6	139	118	90-110	12	10	M6, R1
Fluoride	mg/L	ND	2.5	2.5	3.2	3.6	41	59	90-110	13	10	M6, R1
Sulfate	mg/L	31.8	50	50	78.9	74.9	94	86	90-110	5	10	M6

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

QC Batch: 531658 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2630143001

METHOD BLANK: 2838406 Matrix: Water
Associated Lab Samples: 2630143001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/20/20 13:22	
Fluoride	mg/L	ND	0.10	0.050	03/20/20 13:22	
Sulfate	mg/L	ND	1.0	0.50	03/20/20 13:22	

LABORATORY CONTROL SAMPLE: 2838407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.2	100	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	49.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2838408 2838409

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629874001 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	9.3	50	50	50	60.9	61.7	103	105	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.7	2.7	104	107	90-110	2	10	
Sulfate	mg/L	13.8	50	50	50	64.6	65.4	102	103	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2838410 2838411

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92470321003 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	44.5	50	50	50	94.4	95.1	100	101	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	0.76	0.79	30	31	90-110	4	10 M1	
Sulfate	mg/L	ND	50	50	50	50.8	51.6	101	103	90-110	2	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

QC Batch: 531787 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2630143002, 2630143003

METHOD BLANK: 2839333 Matrix: Water
Associated Lab Samples: 2630143002, 2630143003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/21/20 19:14	
Fluoride	mg/L	ND	0.10	0.050	03/21/20 19:14	
Sulfate	mg/L	ND	1.0	0.50	03/21/20 19:14	

LABORATORY CONTROL SAMPLE: 2839334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	49.7	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2839335 2839336

Parameter	Units	2630143002		2839335		2839336		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	ND	ND	50	50	52.4	53.0	105	106	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.5	2.5	100	100	90-110	0	10	
Sulfate	mg/L	ND	ND	50	50	51.4	52.0	103	104	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2839337 2839338

Parameter	Units	2630255001		2839337		2839338		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	4.8	4.8	50	50	57.5	58.2	105	107	90-110	1	10	
Fluoride	mg/L	0.053J	0.053J	2.5	2.5	2.6	2.6	101	102	90-110	2	10	
Sulfate	mg/L	98.6	98.6	50	50	138	136	78	74	90-110	2	10 M1	

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QUALIFIERS

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville
PASI-GA Pace Analytical Services - Atlanta, GA

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.
H3 Sample was received or analysis requested beyond the recognized method holding time.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN DUPS/BLANKS
Pace Project No.: 2630143

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630125005	DUP-3	EPA 3010A	44863	EPA 6010D	44867
2630125006	FBL031320	EPA 3010A	44863	EPA 6010D	44867
2630125007	EQBL031320	EPA 3010A	44863	EPA 6010D	44867
2630143001	DUP-1	EPA 3010A	44863	EPA 6010D	44867
2630143002	FBL031120	EPA 3010A	44863	EPA 6010D	44867
2630143003	EQBL031120	EPA 3010A	44863	EPA 6010D	44867
2630143004	DUP-2	EPA 3010A	44863	EPA 6010D	44867
2630143005	FBL031220	EPA 3010A	44863	EPA 6010D	44867
2630143006	EQBL031220	EPA 3010A	44863	EPA 6010D	44867
2630125005	DUP-3	EPA 3005A	44725	EPA 6020B	44728
2630125006	FBL031320	EPA 3005A	44725	EPA 6020B	44728
2630125007	EQBL031320	EPA 3005A	44725	EPA 6020B	44728
2630143001	DUP-1	EPA 3005A	44929	EPA 6020B	44930
2630143002	FBL031120	EPA 3005A	44725	EPA 6020B	44728
2630143003	EQBL031120	EPA 3005A	44725	EPA 6020B	44728
2630143004	DUP-2	EPA 3005A	44725	EPA 6020B	44728
2630143005	FBL031220	EPA 3005A	44725	EPA 6020B	44728
2630143006	EQBL031220	EPA 3005A	44725	EPA 6020B	44728
2630125005	DUP-3	EPA 7470A	44827	EPA 7470A	44845
2630125006	FBL031320	EPA 7470A	44827	EPA 7470A	44845
2630125007	EQBL031320	EPA 7470A	44827	EPA 7470A	44845
2630143001	DUP-1	EPA 7470A	44827	EPA 7470A	44845
2630143002	FBL031120	EPA 7470A	44827	EPA 7470A	44845
2630143003	EQBL031120	EPA 7470A	44827	EPA 7470A	44845
2630143004	DUP-2	EPA 7470A	44827	EPA 7470A	44845
2630143005	FBL031220	EPA 7470A	44827	EPA 7470A	44845
2630143006	EQBL031220	EPA 7470A	44827	EPA 7470A	44845
2630125005	DUP-3	SM 2540C	44802		
2630125006	FBL031320	SM 2540C	44802		
2630125007	EQBL031320	SM 2540C	44802		
2630143001	DUP-1	SM 2540C	44653		
2630143002	FBL031120	SM 2540C	44706		
2630143003	EQBL031120	SM 2540C	44706		
2630143004	DUP-2	SM 2540C	44741		
2630143005	FBL031220	SM 2540C	44741		
2630143006	EQBL031220	SM 2540C	44741		
2630125005	DUP-3	EPA 300.0 Rev 2.1 1993	531042		
2630125006	FBL031320	EPA 300.0 Rev 2.1 1993	531042		
2630125007	EQBL031320	EPA 300.0 Rev 2.1 1993	531042		
2630143001	DUP-1	EPA 300.0 Rev 2.1 1993	531658		
2630143002	FBL031120	EPA 300.0 Rev 2.1 1993	531787		
2630143003	EQBL031120	EPA 300.0 Rev 2.1 1993	531787		
2630143004	DUP-2	EPA 300.0 Rev 2.1 1993	531369		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

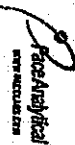
Project: PLANT BOWEN DUPS/BLANKS

Pace Project No.: 2630143

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630143005	FBL031220	EPA 300.0 Rev 2.1 1993	531369		
2630143006	EQBL031220	EPA 300.0 Rev 2.1 1993	531369		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section B
Required Project Information:

Client Information:
Company: Georgia Power
Address: 1003 Weatherstone Parkway
City: Marietta, GA 30066
Phone: (770) 548-9415
Email: kendra.stephenson@ge.com

Section C
Invoice Information:

Project Name: Peachtree Corners
Plant Bowen Deposits
Project #: 2630143
Company Name: Pace Analytical
Address: 2630 Peachtree
City: Atlanta, GA 30329
Phone: (770) 448-1111
Fax: (770) 448-1112
Email: kendra.stephenson@paceanalytical.com

Page: 3 of 3

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			PRESERVATIVES						Residual Chlorine (Y/N)								
			START DATE	START TIME	END DATE	END TIME	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl		NaOH	No2S2O3	Methanol	Other				
2630143																				

REQUESTED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Kenneth Stephenson	3/12	5:00	Cindy Marcell	3/12	5:00	
Cindy Marcell	3/12	1:00	Fedelo			

ANALYST NAME AND SIGNATURE:
 PRINT NAME OF ANALYST: Kendra Stephenson
 SIGNATURE OF ANALYST: *[Signature]*
 DATE SIGNED: 3/12/20

TEMP IN C: _____

RECEIVED ON ICE: (Y/N)

CUSTODY SEALED & COOLED: (Y/N)

SAMPLES INTACT: (Y/N)



John A

Section A
 Section B
 Section C

Required Client Information:
 Agency: Georgia Power
 1003 Weatherstations Parkway
 Marietta, GA 30189
 Email: kavin.stephenson@ge.com
 Phone: (678)548-9415
 Fax: [blank]
 Project Name: Peach Power Dispatch
 Project #:

Required Project Information:
 Report To: Kevin Stephenson
 Copy To: [blank]
 Purchase Order #: [blank]
 Project Name: Peach Power Dispatch
 Project #:

**Section C
 Project Information:**
 Attention: [blank]
 Company Name: [blank]
 Address: [blank]
 P.O. Box: [blank]
 Project Manager: Kevin Herring@pacelabs.com
 Pace Profile #:

Regulatory Agency:
 State/Location: GA

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	
			START DATE	END DATE			H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				Metals 6020/7470
Aug-2		Grab				3											
EBL03122D		Grab				3											
EBL03212D		Grab				3											

ADDITIONAL COMMENTS	REQUISITIONED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Kevin Stephenson	3/13	8:00	Cindy Mardis	3/13	8:00	
	Cindy Mardis	3/13	1:10	Foder Sparks	3/13	8:00	

PROJECT NAME OF SAMPLER:		PROJECT NAME OF SAMPLER:		DATE SIGNATURE		DATE SIGNATURE	
Kevin Stephenson	3/13	Cindy Mardis	3/13	Foder Sparks	3/13	8:00	

TEMP in C	Received on Ice <input type="checkbox"/> (Y/N)	Custody Sealed <input type="checkbox"/> Cooler <input type="checkbox"/> (Y/N)	Samples Intact <input type="checkbox"/> (Y/N)
-----------	--	---	---



CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Client Information:
 Agency: Georgia Power
 Report To: Kevin Stephenson
 Address: 1003 Weatherstone Parkway
 Address: GA 30148
 Phone: (678) 548-9415
 Fax: _____
 Email: kevin.stephenson@ge.com
 Project Name: Plant Bowen Dupud/Blenks
 Project #: _____

Section B
Required Project Information:
 Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Purchase Order #: _____
 Plant Bowen Dupud/Blenks
 Project Name: _____
 Project #: _____

Section C
Invoice Information:
 Attention: _____
 Company Name: _____
 Address: _____
 POC Name: _____
 POC Email: kevin.stephenson@ge.com
 POC Phone: _____
 POC Fax: _____

Page : 1 OF 1

SAMPLE ID
 One Character Per Box
 (A-Z, 0-9, /, -)

Sample IDs must be unique

Matrix Code	Sample Type
DUP-3	G-GRAB C-COMP
F0L031320	
E0B1031320	

DATE	TIME	COLLECTED		START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	PRESERVATIVES										
		DATE	TIME						Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			
3/13/20	-							3	2	1									
3/13/20	13:52							3	2	1									
3/13/20	13:31							3	2	1									

ANALYSIS TEST	Y/N
Metals 6020/7470	X
Cl, F, SO4	X
TDS	X

Residual Chlorine (Y/N): _____

2650143

Regulatory Agency: _____

State / Location: _____

REQUIRED BY / AFFILIATION	DATE	TIME	ACQUIRED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
William Loder/Resolute	3/13/20	3:31	Kevin Stephenson	3/13/20	15:31	30 X X X

SAMPLER NAME AND SIGNATURE
 PRINT NAME OF SAMPLER: Kevin Stephenson, Joe Booth, William Loder
 SIGNATURE OF SAMPLER: *[Signature]*
 DATE SIGNED: 3/13/20

TEMP IN C

Received on ice (Y/N)

Cooled (Y/N)

Samples Intact (Y/N)

March 23, 2020

Joju Abraham
Georgia Power - Coal Combustion Residuals
2480 Maner Road
Atlanta, GA 30339

RE: Project: PLANT BOWEN LF
Pace Project No.: 2629786

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between March 04, 2020 and March 06, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Herring
kevin.herring@pacelabs.com
(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Michelle Barker, Wood E&I Solutions, Inc.
Kristen Jurinko
Lauren Petty, Southern Company Services, Inc.
Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw
Greg Wrenn, Wood PLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Pace Analytical Services Atlanta

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

Massachusetts Certification #: M-NC030

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2629786001	GWA-51RZ	Water	03/03/20 09:58	03/04/20 09:30
2629786002	GWA-54	Water	03/03/20 13:23	03/04/20 09:30
2629786003	GWA-55	Water	03/03/20 15:12	03/04/20 09:30
2629786004	GWC-21R	Water	03/03/20 16:31	03/04/20 09:30
2629786005	GWC-22R	Water	03/03/20 14:08	03/04/20 09:30
2629786006	GWC-24R	Water	03/03/20 12:13	03/04/20 09:30
2629786007	GWC-25R	Water	03/03/20 10:21	03/04/20 09:30
2629786008	GWA-36	Water	03/02/20 11:26	03/06/20 11:25
2629786009	GWA-36R	Water	03/02/20 11:20	03/06/20 11:25
2629786010	GWA-37	Water	03/02/20 14:37	03/06/20 11:25
2629786011	GWA-38	Water	03/02/20 13:22	03/06/20 11:25
2629786012	GWA-52	Water	03/02/20 16:31	03/06/20 11:25
2629786013	FBL030220	Water	03/02/20 17:28	03/06/20 11:25
2629786014	EQBL030220	Water	03/02/20 17:31	03/06/20 11:25
2629786015	DUP-1	Water	03/02/20 00:00	03/06/20 11:25
2629786016	GWA-53	Water	03/04/20 11:16	03/06/20 11:25
2629786017	GWA-53R	Water	03/04/20 12:13	03/06/20 11:25
2629786018	GWA-55R	Water	03/04/20 10:49	03/06/20 11:25
2629786019	GWA-56	Water	03/04/20 13:08	03/06/20 11:25
2629786020	GWC-16R	Water	03/04/20 16:10	03/06/20 11:25
2629786021	GWC-19R	Water	03/04/20 16:20	03/06/20 11:25
2629786022	FBL030420	Water	03/04/20 16:37	03/06/20 11:25
2629786023	EQBL030420	Water	03/04/20 16:44	03/06/20 11:25
2629786024	DUP-2	Water	03/04/20 00:00	03/06/20 11:25
2629786025	GWC-17R	Water	03/05/20 12:30	03/06/20 11:25
2629786026	GWC-18R	Water	03/05/20 15:35	03/06/20 11:25
2629786027	GWC-20R	Water	03/05/20 14:31	03/06/20 11:25
2629786028	GWC-23R	Water	03/05/20 09:55	03/06/20 11:25
2629786029	FBL030520	Water	03/05/20 17:05	03/06/20 11:25
2629786030	EQBL030520	Water	03/05/20 17:12	03/06/20 11:25
2629786031	DUP-3	Water	03/05/20 00:00	03/06/20 11:25
2629786032	GWC-18	Water	03/06/20 12:11	03/06/20 17:30
2629786033	SPRING	Water	03/06/20 09:15	03/06/20 17:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2629786001	GWA-51RZ	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786002	GWA-54	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786003	GWA-55	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786004	GWC-21R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786005	GWC-22R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786006	GWC-24R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786007	GWC-25R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786008	GWA-36	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2629786009	GWA-36R	EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629786010	GWA-37	SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786011	GWA-38	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
2629786012	GWA-52	EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KLH	1	PASI-GA
2629786013	FBL030220	EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
2629786014	EQBL030220	EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629786015	DUP-1	SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2629786016	GWA-53	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786017	GWA-53R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786018	GWA-55R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786019	GWA-56	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786020	GWC-16R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786021	GWC-19R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786022	FBL030420	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786023	EQBL030420	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2629786024	DUP-2	EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629786025	GWC-17R	SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
2629786026	GWC-18R	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
2629786027	GWC-20R	EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629786028	GWC-23R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
2629786029	FBL030520	EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629786030	EQBL030520	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2629786031	DUP-3	SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629786032	GWC-18	SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629786033	SPRING	SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629786001	GWA-51RZ					
	Field pH	7.73	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	47.6	mg/L	1.0	03/11/20 20:25	
EPA 6020B	Arsenic	0.00073J	mg/L	0.0050	03/11/20 19:17	
EPA 6020B	Barium	0.017	mg/L	0.010	03/11/20 19:17	
EPA 6020B	Boron	0.0096J	mg/L	0.040	03/11/20 19:17	B
EPA 6020B	Copper	0.00041J	mg/L	0.025	03/11/20 19:17	
EPA 6020B	Lead	0.000051J	mg/L	0.0050	03/11/20 19:17	
EPA 6020B	Selenium	0.0053J	mg/L	0.010	03/11/20 19:17	
EPA 6020B	Thallium	0.00012J	mg/L	0.0010	03/11/20 19:17	
EPA 6020B	Vanadium	0.00091J	mg/L	0.010	03/11/20 19:17	
EPA 6020B	Zinc	0.0035J	mg/L	0.010	03/11/20 19:17	
SM 2540C	Total Dissolved Solids	211	mg/L	10.0	03/10/20 11:52	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	03/10/20 22:16	
EPA 300.0 Rev 2.1 1993	Sulfate	21.5	mg/L	1.0	03/10/20 22:16	
2629786002	GWA-54					
	Field pH	7.59	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	27.1	mg/L	1.0	03/11/20 20:35	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	03/11/20 19:40	
EPA 6020B	Barium	0.031	mg/L	0.010	03/11/20 19:40	
EPA 6020B	Boron	0.0084J	mg/L	0.040	03/11/20 19:40	B
EPA 6020B	Chromium	0.0017J	mg/L	0.010	03/11/20 19:40	B
EPA 6020B	Copper	0.00025J	mg/L	0.025	03/11/20 19:40	
EPA 6020B	Lead	0.000048J	mg/L	0.0050	03/11/20 19:40	
EPA 6020B	Thallium	0.000079J	mg/L	0.0010	03/11/20 19:40	
EPA 6020B	Zinc	0.0024J	mg/L	0.010	03/11/20 19:40	
SM 2540C	Total Dissolved Solids	91.0	mg/L	10.0	03/10/20 11:52	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	03/10/20 22:30	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	03/10/20 22:30	
2629786003	GWA-55					
	Field pH	6.95	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	40.1	mg/L	1.0	03/11/20 20:39	
EPA 6020B	Barium	0.023	mg/L	0.010	03/11/20 19:57	
EPA 6020B	Boron	0.010J	mg/L	0.040	03/11/20 19:57	B
EPA 6020B	Chromium	0.00085J	mg/L	0.010	03/11/20 19:57	B
EPA 6020B	Cobalt	0.0048J	mg/L	0.0050	03/11/20 19:57	
EPA 6020B	Lead	0.000048J	mg/L	0.0050	03/11/20 19:57	
EPA 6020B	Nickel	0.00061J	mg/L	0.010	03/11/20 19:57	
EPA 6020B	Selenium	0.0025J	mg/L	0.010	03/11/20 19:57	
EPA 6020B	Thallium	0.000065J	mg/L	0.0010	03/11/20 19:57	
EPA 6020B	Zinc	0.0050J	mg/L	0.010	03/11/20 19:57	
SM 2540C	Total Dissolved Solids	210	mg/L	10.0	03/10/20 11:52	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	03/10/20 22:44	
EPA 300.0 Rev 2.1 1993	Sulfate	29.0	mg/L	1.0	03/10/20 22:44	
2629786004	GWC-21R					
	Field pH	7.10	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	70.2	mg/L	1.0	03/11/20 20:42	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629786004	GWC-21R					
EPA 6020B	Antimony	0.0019J	mg/L	0.0030	03/11/20 20:03	
EPA 6020B	Arsenic	0.0015J	mg/L	0.0050	03/11/20 20:03	
EPA 6020B	Barium	0.022	mg/L	0.010	03/11/20 20:03	
EPA 6020B	Boron	0.0096J	mg/L	0.040	03/11/20 20:03	B
EPA 6020B	Chromium	0.00058J	mg/L	0.010	03/11/20 20:03	B
EPA 6020B	Copper	0.00049J	mg/L	0.025	03/11/20 20:03	
EPA 6020B	Nickel	0.00099J	mg/L	0.010	03/11/20 20:03	
EPA 6020B	Thallium	0.000071J	mg/L	0.0010	03/11/20 20:03	
EPA 6020B	Vanadium	0.00085J	mg/L	0.010	03/11/20 20:03	
EPA 6020B	Zinc	0.0044J	mg/L	0.010	03/11/20 20:03	
SM 2540C	Total Dissolved Solids	292	mg/L	10.0	03/10/20 11:53	
EPA 300.0 Rev 2.1 1993	Chloride	3.9	mg/L	1.0	03/10/20 22:58	
EPA 300.0 Rev 2.1 1993	Sulfate	11.3	mg/L	1.0	03/10/20 22:58	
2629786005	GWC-22R					
	Field pH	7.15	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	37.2	mg/L	1.0	03/11/20 20:46	
EPA 6020B	Arsenic	0.0014J	mg/L	0.0050	03/11/20 20:08	
EPA 6020B	Barium	0.044	mg/L	0.010	03/11/20 20:08	
EPA 6020B	Boron	0.0066J	mg/L	0.040	03/11/20 20:08	B
EPA 6020B	Chromium	0.00057J	mg/L	0.010	03/11/20 20:08	B
EPA 6020B	Cobalt	0.00078J	mg/L	0.0050	03/11/20 20:08	
EPA 6020B	Copper	0.00022J	mg/L	0.025	03/11/20 20:08	
EPA 6020B	Lead	0.000059J	mg/L	0.0050	03/11/20 20:08	
EPA 6020B	Nickel	0.0010J	mg/L	0.010	03/11/20 20:08	
EPA 6020B	Thallium	0.000072J	mg/L	0.0010	03/11/20 20:08	
EPA 6020B	Zinc	0.0029J	mg/L	0.010	03/11/20 20:08	
SM 2540C	Total Dissolved Solids	181	mg/L	10.0	03/10/20 11:53	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	03/10/20 23:12	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	03/10/20 23:12	
2629786006	GWC-24R					
	Field pH	7.55	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	33.3	mg/L	1.0	03/11/20 20:49	
EPA 6020B	Barium	0.020	mg/L	0.010	03/11/20 20:14	
EPA 6020B	Chromium	0.00052J	mg/L	0.010	03/11/20 20:14	B
EPA 6020B	Copper	0.00097J	mg/L	0.025	03/11/20 20:14	
EPA 6020B	Lead	0.000057J	mg/L	0.0050	03/11/20 20:14	
EPA 6020B	Vanadium	0.0011J	mg/L	0.010	03/11/20 20:14	
EPA 6020B	Zinc	0.0033J	mg/L	0.010	03/11/20 20:14	
SM 2540C	Total Dissolved Solids	146	mg/L	10.0	03/10/20 11:53	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	03/10/20 23:26	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	03/10/20 23:26	
2629786007	GWC-25R					
	Field pH	7.56	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	37.6	mg/L	1.0	03/11/20 20:53	
EPA 6020B	Barium	0.015	mg/L	0.010	03/11/20 20:20	
EPA 6020B	Chromium	0.00078J	mg/L	0.010	03/11/20 20:20	B

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629786007	GWC-25R					
EPA 6020B	Copper	0.00027J	mg/L	0.025	03/11/20 20:20	
EPA 6020B	Lead	0.000059J	mg/L	0.0050	03/11/20 20:20	
EPA 6020B	Zinc	0.0027J	mg/L	0.010	03/11/20 20:20	
SM 2540C	Total Dissolved Solids	183	mg/L	10.0	03/10/20 11:53	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	03/11/20 00:08	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	03/11/20 00:08	
2629786008	GWA-36					
	Field pH	6.58	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	12.5	mg/L	1.0	03/18/20 19:42	
EPA 6020B	Barium	0.019	mg/L	0.010	03/16/20 16:21	
EPA 6020B	Beryllium	0.00024J	mg/L	0.0030	03/16/20 16:21	
EPA 6020B	Boron	0.010J	mg/L	0.040	03/16/20 16:21	
EPA 6020B	Cadmium	0.0012J	mg/L	0.0025	03/16/20 16:21	
EPA 6020B	Lead	0.000052J	mg/L	0.0050	03/16/20 16:21	
EPA 6020B	Nickel	0.00071J	mg/L	0.010	03/16/20 16:21	
EPA 6020B	Zinc	0.54	mg/L	0.010	03/16/20 16:21	
SM 2540C	Total Dissolved Solids	65.0	mg/L	10.0	03/09/20 22:15	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	03/13/20 04:36	
2629786009	GWA-36R					
	Field pH	7.24	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	35.2	mg/L	1.0	03/18/20 19:46	
EPA 6020B	Barium	0.024	mg/L	0.010	03/16/20 16:27	
EPA 6020B	Beryllium	0.00015J	mg/L	0.0030	03/16/20 16:27	
EPA 6020B	Boron	0.014J	mg/L	0.040	03/16/20 16:27	
EPA 6020B	Cadmium	0.00018J	mg/L	0.0025	03/16/20 16:27	
EPA 6020B	Chromium	0.00047J	mg/L	0.010	03/16/20 16:27	
EPA 6020B	Copper	0.00043J	mg/L	0.025	03/16/20 16:27	
EPA 6020B	Lead	0.00031J	mg/L	0.0050	03/16/20 16:27	
EPA 6020B	Nickel	0.00051J	mg/L	0.010	03/16/20 16:27	
EPA 6020B	Zinc	0.056	mg/L	0.010	03/16/20 16:27	
SM 2540C	Total Dissolved Solids	170	mg/L	10.0	03/09/20 22:15	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	03/12/20 17:45	
EPA 300.0 Rev 2.1 1993	Sulfate	7.9	mg/L	1.0	03/12/20 17:45	
2629786010	GWA-37					
	Field pH	5.52	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	0.77J	mg/L	1.0	03/18/20 19:49	
EPA 6020B	Antimony	0.0018J	mg/L	0.0030	03/16/20 16:48	
EPA 6020B	Arsenic	0.00053J	mg/L	0.0050	03/16/20 16:48	B
EPA 6020B	Barium	0.0050J	mg/L	0.010	03/16/20 16:48	
EPA 6020B	Boron	0.0052J	mg/L	0.040	03/16/20 16:48	
EPA 6020B	Copper	0.0068J	mg/L	0.025	03/16/20 16:48	
EPA 6020B	Nickel	0.0079J	mg/L	0.010	03/16/20 16:48	
EPA 6020B	Vanadium	0.00074J	mg/L	0.010	03/16/20 16:48	
EPA 6020B	Zinc	0.0063J	mg/L	0.010	03/16/20 16:48	
EPA 300.0 Rev 2.1 1993	Chloride	0.78J	mg/L	1.0	03/12/20 18:27	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629786011	GWA-38					
	Field pH	5.49	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	2.5	mg/L	1.0	03/18/20 19:53	
EPA 6020B	Arsenic	0.00059J	mg/L	0.0050	03/16/20 16:53	B
EPA 6020B	Barium	0.012	mg/L	0.010	03/16/20 16:53	
EPA 6020B	Chromium	0.0014J	mg/L	0.010	03/16/20 16:53	
EPA 6020B	Cobalt	0.0011J	mg/L	0.0050	03/16/20 16:53	
EPA 6020B	Copper	0.00019J	mg/L	0.025	03/16/20 16:53	
EPA 6020B	Nickel	0.0010J	mg/L	0.010	03/16/20 16:53	
EPA 6020B	Vanadium	0.0014J	mg/L	0.010	03/16/20 16:53	
EPA 6020B	Zinc	0.0032J	mg/L	0.010	03/16/20 16:53	
SM 2540C	Total Dissolved Solids	32.0	mg/L	10.0	03/09/20 22:16	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	03/12/20 18:41	
EPA 300.0 Rev 2.1 1993	Sulfate	0.50J	mg/L	1.0	03/12/20 18:41	
2629786012	GWA-52					
	Field pH	7.44	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	33.7	mg/L	1.0	03/18/20 19:56	
EPA 6020B	Barium	0.023	mg/L	0.010	03/16/20 16:59	
EPA 6020B	Boron	0.0070J	mg/L	0.040	03/16/20 16:59	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	03/16/20 16:59	
EPA 6020B	Copper	0.00024J	mg/L	0.025	03/16/20 16:59	
EPA 6020B	Zinc	0.0024J	mg/L	0.010	03/16/20 16:59	
SM 2540C	Total Dissolved Solids	142	mg/L	10.0	03/09/20 22:16	
EPA 300.0 Rev 2.1 1993	Chloride	4.9	mg/L	1.0	03/12/20 18:55	
EPA 300.0 Rev 2.1 1993	Sulfate	16.3	mg/L	1.0	03/12/20 18:55	
2629786013	FBL030220					
EPA 6020B	Barium	0.0018J	mg/L	0.010	03/16/20 17:11	
EPA 6020B	Zinc	0.0027J	mg/L	0.010	03/16/20 17:11	
2629786014	EQBL030220					
EPA 6020B	Barium	0.0018J	mg/L	0.010	03/16/20 17:16	
EPA 6020B	Chromium	0.00049J	mg/L	0.010	03/16/20 17:16	
EPA 6020B	Copper	0.00019J	mg/L	0.025	03/16/20 17:16	
EPA 6020B	Zinc	0.0031J	mg/L	0.010	03/16/20 17:16	
2629786015	DUP-1					
EPA 6010D	Calcium	33.4	mg/L	1.0	03/13/20 19:22	M1
EPA 6020B	Barium	0.021	mg/L	0.010	03/16/20 18:14	
EPA 6020B	Boron	0.0079J	mg/L	0.040	03/16/20 18:14	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	03/16/20 18:14	
EPA 6020B	Copper	0.00036J	mg/L	0.025	03/16/20 18:14	
EPA 6020B	Thallium	0.000092J	mg/L	0.0010	03/16/20 18:14	
EPA 6020B	Zinc	0.0017J	mg/L	0.010	03/16/20 18:14	
SM 2540C	Total Dissolved Solids	151	mg/L	10.0	03/09/20 22:16	
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	03/12/20 20:19	
EPA 300.0 Rev 2.1 1993	Sulfate	16.7	mg/L	1.0	03/12/20 20:19	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629786016	GWA-53					
	Field pH	7.63	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	31.2	mg/L	1.0	03/13/20 19:35	
EPA 6020B	Antimony	0.0019J	mg/L	0.0030	03/16/20 18:37	B
EPA 6020B	Arsenic	0.00044J	mg/L	0.0050	03/16/20 18:37	
EPA 6020B	Barium	0.013	mg/L	0.010	03/16/20 18:37	
EPA 6020B	Boron	0.0064J	mg/L	0.040	03/16/20 18:37	
EPA 6020B	Chromium	0.00076J	mg/L	0.010	03/16/20 18:37	
EPA 6020B	Copper	0.00053J	mg/L	0.025	03/16/20 18:37	
EPA 6020B	Lead	0.00016J	mg/L	0.0050	03/16/20 18:37	
EPA 6020B	Zinc	0.0040J	mg/L	0.010	03/16/20 18:37	
SM 2540C	Total Dissolved Solids	146	mg/L	10.0	03/11/20 16:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	03/12/20 20:33	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	03/12/20 20:33	
2629786017	GWA-53R					
	Field pH	7.72	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	31.6	mg/L	1.0	03/13/20 19:46	
EPA 6020B	Antimony	0.00053J	mg/L	0.0030	03/16/20 18:43	B
EPA 6020B	Arsenic	0.00043J	mg/L	0.0050	03/16/20 18:43	
EPA 6020B	Barium	0.015	mg/L	0.010	03/16/20 18:43	
EPA 6020B	Chromium	0.0012J	mg/L	0.010	03/16/20 18:43	
EPA 6020B	Lead	0.000066J	mg/L	0.0050	03/16/20 18:43	
EPA 6020B	Zinc	0.0027J	mg/L	0.010	03/16/20 18:43	
SM 2540C	Total Dissolved Solids	157	mg/L	10.0	03/11/20 16:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	03/12/20 20:47	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	03/12/20 20:47	
2629786018	GWA-55R					
	Field pH	7.27	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	39.9	mg/L	1.0	03/13/20 19:49	
EPA 6020B	Barium	0.029	mg/L	0.010	03/16/20 18:49	
EPA 6020B	Boron	0.0063J	mg/L	0.040	03/16/20 18:49	
EPA 6020B	Chromium	0.00079J	mg/L	0.010	03/16/20 18:49	
EPA 6020B	Selenium	0.0018J	mg/L	0.010	03/16/20 18:49	
EPA 6020B	Zinc	0.0028J	mg/L	0.010	03/16/20 18:49	
SM 2540C	Total Dissolved Solids	207	mg/L	10.0	03/11/20 16:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	03/12/20 21:01	
EPA 300.0 Rev 2.1 1993	Sulfate	23.4	mg/L	1.0	03/12/20 21:01	
2629786019	GWA-56					
	Field pH	7.95	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	38.0	mg/L	1.0	03/13/20 19:53	
EPA 6020B	Arsenic	0.00040J	mg/L	0.0050	03/16/20 18:54	
EPA 6020B	Barium	0.039	mg/L	0.010	03/16/20 18:54	
EPA 6020B	Boron	0.022J	mg/L	0.040	03/16/20 18:54	
EPA 6020B	Copper	0.00030J	mg/L	0.025	03/16/20 18:54	
EPA 6020B	Lead	0.000050J	mg/L	0.0050	03/16/20 18:54	
EPA 6020B	Zinc	0.0029J	mg/L	0.010	03/16/20 18:54	
SM 2540C	Total Dissolved Solids	325	mg/L	10.0	03/11/20 16:03	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629786019	GWA-56					
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	03/12/20 21:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.086J	mg/L	0.30	03/12/20 21:15	
EPA 300.0 Rev 2.1 1993	Sulfate	69.4	mg/L	1.0	03/12/20 21:15	M1
2629786020	GWC-16R					
	Field pH	7.37	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	60.6	mg/L	1.0	03/13/20 19:56	
EPA 6020B	Antimony	0.019	mg/L	0.0030	03/16/20 19:12	
EPA 6020B	Arsenic	0.00088J	mg/L	0.0050	03/16/20 19:12	
EPA 6020B	Barium	0.045	mg/L	0.010	03/16/20 19:12	
EPA 6020B	Boron	0.027J	mg/L	0.040	03/16/20 19:12	
EPA 6020B	Chromium	0.0014J	mg/L	0.010	03/16/20 19:12	
EPA 6020B	Copper	0.0024J	mg/L	0.025	03/16/20 19:12	
EPA 6020B	Nickel	0.0032J	mg/L	0.010	03/16/20 19:12	
EPA 6020B	Thallium	0.00014J	mg/L	0.0010	03/16/20 19:12	
EPA 6020B	Vanadium	0.0023J	mg/L	0.010	03/16/20 19:12	
EPA 6020B	Zinc	0.015	mg/L	0.010	03/16/20 19:12	
SM 2540C	Total Dissolved Solids	326	mg/L	10.0	03/11/20 16:03	
EPA 300.0 Rev 2.1 1993	Chloride	0.79J	mg/L	1.0	03/12/20 21:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.29J	mg/L	0.30	03/12/20 21:57	
EPA 300.0 Rev 2.1 1993	Sulfate	8.4	mg/L	1.0	03/12/20 21:57	
2629786021	GWC-19R					
	Field pH	7.65	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	34.0	mg/L	1.0	03/13/20 20:00	
EPA 6020B	Arsenic	0.00072J	mg/L	0.0050	03/16/20 19:17	
EPA 6020B	Barium	0.017	mg/L	0.010	03/16/20 19:17	
EPA 6020B	Beryllium	0.00013J	mg/L	0.0030	03/16/20 19:17	
EPA 6020B	Chromium	0.0010J	mg/L	0.010	03/16/20 19:17	
EPA 6020B	Copper	0.00036J	mg/L	0.025	03/16/20 19:17	
EPA 6020B	Lead	0.00030J	mg/L	0.0050	03/16/20 19:17	
EPA 6020B	Nickel	0.00071J	mg/L	0.010	03/16/20 19:17	
EPA 6020B	Vanadium	0.00096J	mg/L	0.010	03/16/20 19:17	
EPA 6020B	Zinc	0.0072J	mg/L	0.010	03/16/20 19:17	
SM 2540C	Total Dissolved Solids	157	mg/L	10.0	03/11/20 16:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	03/12/20 22:11	
EPA 300.0 Rev 2.1 1993	Sulfate	3.6	mg/L	1.0	03/12/20 22:11	
2629786022	FBL030420					
EPA 6020B	Barium	0.0018J	mg/L	0.010	03/16/20 19:23	
EPA 6020B	Zinc	0.0023J	mg/L	0.010	03/16/20 19:23	
2629786023	EQBL030420					
EPA 6020B	Barium	0.0018J	mg/L	0.010	03/16/20 19:29	
EPA 6020B	Chromium	0.00046J	mg/L	0.010	03/16/20 19:29	
EPA 6020B	Zinc	0.0022J	mg/L	0.010	03/16/20 19:29	
2629786024	DUP-2					
EPA 6010D	Calcium	41.0	mg/L	1.0	03/13/20 20:10	

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629786024	DUP-2					
EPA 6020B	Barium	0.029	mg/L	0.010	03/16/20 19:34	
EPA 6020B	Boron	0.0052J	mg/L	0.040	03/16/20 19:34	
EPA 6020B	Chromium	0.00072J	mg/L	0.010	03/16/20 19:34	
EPA 6020B	Zinc	0.0026J	mg/L	0.010	03/16/20 19:34	
SM 2540C	Total Dissolved Solids	206	mg/L	10.0	03/11/20 16:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	03/12/20 23:35	
EPA 300.0 Rev 2.1 1993	Sulfate	23.6	mg/L	1.0	03/12/20 23:35	
2629786025	GWC-17R					
	Field pH	7.30	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	71.4	mg/L	1.0	03/13/20 20:14	
EPA 6020B	Barium	0.018	mg/L	0.010	03/16/20 19:40	
EPA 6020B	Chromium	0.00063J	mg/L	0.010	03/16/20 19:40	
EPA 6020B	Copper	0.00023J	mg/L	0.025	03/16/20 19:40	
EPA 6020B	Zinc	0.0035J	mg/L	0.010	03/16/20 19:40	
SM 2540C	Total Dissolved Solids	307	mg/L	10.0	03/12/20 12:59	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	03/12/20 23:49	
EPA 300.0 Rev 2.1 1993	Sulfate	7.7	mg/L	1.0	03/12/20 23:49	
2629786026	GWC-18R					
	Field pH	7.77	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	32.0	mg/L	1.0	03/13/20 20:17	
EPA 6020B	Antimony	0.00068J	mg/L	0.0030	03/16/20 19:46	B
EPA 6020B	Arsenic	0.00042J	mg/L	0.0050	03/16/20 19:46	
EPA 6020B	Barium	0.015	mg/L	0.010	03/16/20 19:46	
EPA 6020B	Beryllium	0.00013J	mg/L	0.0030	03/16/20 19:46	
EPA 6020B	Chromium	0.00070J	mg/L	0.010	03/16/20 19:46	
EPA 6020B	Lead	0.00032J	mg/L	0.0050	03/16/20 19:46	
EPA 6020B	Zinc	0.0024J	mg/L	0.010	03/16/20 19:46	
SM 2540C	Total Dissolved Solids	143	mg/L	10.0	03/12/20 12:59	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	03/13/20 00:03	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	03/13/20 00:03	
2629786027	GWC-20R					
	Field pH	7.60	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	38.9	mg/L	1.0	03/16/20 17:10	
EPA 6020B	Barium	0.028	mg/L	0.010	03/16/20 19:52	
EPA 6020B	Chromium	0.00075J	mg/L	0.010	03/16/20 19:52	
EPA 6020B	Zinc	0.0023J	mg/L	0.010	03/16/20 19:52	
SM 2540C	Total Dissolved Solids	171	mg/L	10.0	03/12/20 12:59	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	03/13/20 00:17	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	03/13/20 00:17	
2629786028	GWC-23R					
	Field pH	7.24	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	63.7	mg/L	1.0	03/16/20 17:14	
EPA 6020B	Barium	0.022	mg/L	0.010	03/16/20 19:57	
EPA 6020B	Chromium	0.00086J	mg/L	0.010	03/16/20 19:57	
EPA 6020B	Copper	0.00030J	mg/L	0.025	03/16/20 19:57	

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629786028	GWC-23R					
EPA 6020B	Lead	0.000052J	mg/L	0.0050	03/16/20 19:57	
EPA 6020B	Nickel	0.00075J	mg/L	0.010	03/16/20 19:57	
EPA 6020B	Thallium	0.00018J	mg/L	0.0010	03/16/20 19:57	
EPA 6020B	Vanadium	0.00071J	mg/L	0.010	03/16/20 19:57	
EPA 6020B	Zinc	0.0084J	mg/L	0.010	03/16/20 19:57	
SM 2540C	Total Dissolved Solids	265	mg/L	10.0	03/12/20 12:59	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	03/13/20 00:31	
EPA 300.0 Rev 2.1 1993	Sulfate	10.8	mg/L	1.0	03/13/20 00:31	
2629786029	FBL030520					
EPA 300.0 Rev 2.1 1993	Sulfate	0.55J	mg/L	1.0	03/13/20 21:39	
2629786030	EQBL030520					
EPA 6020B	Zinc	0.0022J	mg/L	0.010	03/16/20 20:20	
2629786031	DUP-3					
EPA 6010D	Calcium	39.2	mg/L	1.0	03/16/20 17:24	
EPA 6020B	Arsenic	0.00040J	mg/L	0.0050	03/16/20 20:26	
EPA 6020B	Barium	0.029	mg/L	0.010	03/16/20 20:26	
EPA 6020B	Chromium	0.0016J	mg/L	0.010	03/16/20 20:26	
EPA 6020B	Zinc	0.0020J	mg/L	0.010	03/16/20 20:26	
SM 2540C	Total Dissolved Solids	174	mg/L	10.0	03/12/20 12:59	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	03/13/20 23:21	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	03/13/20 23:21	
2629786032	GWC-18					
	Field pH	7.01	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	23.5	mg/L	1.0	03/16/20 17:28	
EPA 6020B	Antimony	0.00049J	mg/L	0.0030	03/16/20 20:32	B
EPA 6020B	Barium	0.015	mg/L	0.010	03/16/20 20:32	
EPA 6020B	Chromium	0.0019J	mg/L	0.010	03/16/20 20:32	
EPA 6020B	Copper	0.00023J	mg/L	0.025	03/16/20 20:32	
EPA 6020B	Lead	0.00013J	mg/L	0.0050	03/16/20 20:32	
EPA 6020B	Nickel	0.00050J	mg/L	0.010	03/16/20 20:32	
EPA 6020B	Thallium	0.000076J	mg/L	0.0010	03/16/20 20:32	
EPA 6020B	Zinc	0.0045J	mg/L	0.010	03/16/20 20:32	
SM 2540C	Total Dissolved Solids	109	mg/L	10.0	03/13/20 16:23	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	03/13/20 23:35	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	03/13/20 23:35	
2629786033	SPRING					
	Field pH	7.16	Std. Units		03/09/20 14:29	
EPA 6010D	Calcium	14.0	mg/L	1.0	03/16/20 17:31	
EPA 6020B	Arsenic	0.00041J	mg/L	0.0050	03/16/20 20:37	
EPA 6020B	Barium	0.039	mg/L	0.010	03/16/20 20:37	
EPA 6020B	Boron	0.0082J	mg/L	0.040	03/16/20 20:37	
EPA 6020B	Chromium	0.0033J	mg/L	0.010	03/16/20 20:37	
EPA 6020B	Cobalt	0.00051J	mg/L	0.0050	03/16/20 20:37	
EPA 6020B	Copper	0.0015J	mg/L	0.025	03/16/20 20:37	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2629786033	SPRING					
EPA 6020B	Lead	0.00071J	mg/L	0.0050	03/16/20 20:37	
EPA 6020B	Nickel	0.0014J	mg/L	0.010	03/16/20 20:37	
EPA 6020B	Vanadium	0.0032J	mg/L	0.010	03/16/20 20:37	
EPA 6020B	Zinc	0.0064J	mg/L	0.010	03/16/20 20:37	
SM 2540C	Total Dissolved Solids	75.0	mg/L	10.0	03/13/20 16:23	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	03/13/20 04:15	
EPA 300.0 Rev 2.1 1993	Sulfate	3.4	mg/L	1.0	03/13/20 04:15	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWA-51RZ		Lab ID: 2629786001		Collected: 03/03/20 09:58		Received: 03/04/20 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	7.73	Std. Units			1		03/09/20 14:29		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	47.6	mg/L	1.0	0.14	1	03/10/20 18:30	03/11/20 20:25	7440-70-2	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/10/20 20:52	03/11/20 19:17	7440-36-0	
Arsenic	0.00073J	mg/L	0.0050	0.00035	1	03/10/20 20:52	03/11/20 19:17	7440-38-2	
Barium	0.017	mg/L	0.010	0.00049	1	03/10/20 20:52	03/11/20 19:17	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/10/20 20:52	03/11/20 19:17	7440-41-7	
Boron	0.0096J	mg/L	0.040	0.0049	1	03/10/20 20:52	03/11/20 19:17	7440-42-8	B
Cadmium	ND	mg/L	0.0025	0.00011	1	03/10/20 20:52	03/11/20 19:17	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/10/20 20:52	03/11/20 19:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/10/20 20:52	03/11/20 19:17	7440-48-4	
Copper	0.00041J	mg/L	0.025	0.00019	1	03/10/20 20:52	03/11/20 19:17	7440-50-8	
Lead	0.000051J	mg/L	0.0050	0.000046	1	03/10/20 20:52	03/11/20 19:17	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/10/20 20:52	03/11/20 19:17	7440-02-0	
Selenium	0.0053J	mg/L	0.010	0.0013	1	03/10/20 20:52	03/11/20 19:17	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/10/20 20:52	03/11/20 19:17	7440-22-4	
Thallium	0.00012J	mg/L	0.0010	0.000052	1	03/10/20 20:52	03/11/20 19:17	7440-28-0	
Vanadium	0.00091J	mg/L	0.010	0.00071	1	03/10/20 20:52	03/11/20 19:17	7440-62-2	
Zinc	0.0035J	mg/L	0.010	0.0015	1	03/10/20 20:52	03/11/20 19:17	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/10/20 08:40	03/10/20 18:22	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	211	mg/L	10.0	10.0	1		03/10/20 11:52		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	2.6	mg/L	1.0	0.60	1		03/10/20 22:16	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/10/20 22:16	16984-48-8	
Sulfate	21.5	mg/L	1.0	0.50	1		03/10/20 22:16	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWA-54		Lab ID: 2629786002		Collected: 03/03/20 13:23		Received: 03/04/20 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.59	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	27.1	mg/L	1.0	0.14	1	03/10/20 18:30	03/11/20 20:35	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.0011J	mg/L	0.0030	0.00027	1	03/10/20 20:52	03/11/20 19:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/10/20 20:52	03/11/20 19:40	7440-38-2	
Barium	0.031	mg/L	0.010	0.00049	1	03/10/20 20:52	03/11/20 19:40	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/10/20 20:52	03/11/20 19:40	7440-41-7	
Boron	0.0084J	mg/L	0.040	0.0049	1	03/10/20 20:52	03/11/20 19:40	7440-42-8	B
Cadmium	ND	mg/L	0.0025	0.00011	1	03/10/20 20:52	03/11/20 19:40	7440-43-9	
Chromium	0.0017J	mg/L	0.010	0.00039	1	03/10/20 20:52	03/11/20 19:40	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/10/20 20:52	03/11/20 19:40	7440-48-4	
Copper	0.00025J	mg/L	0.025	0.00019	1	03/10/20 20:52	03/11/20 19:40	7440-50-8	
Lead	0.000048J	mg/L	0.0050	0.000046	1	03/10/20 20:52	03/11/20 19:40	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/10/20 20:52	03/11/20 19:40	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/10/20 20:52	03/11/20 19:40	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/10/20 20:52	03/11/20 19:40	7440-22-4	
Thallium	0.000079J	mg/L	0.0010	0.000052	1	03/10/20 20:52	03/11/20 19:40	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/10/20 20:52	03/11/20 19:40	7440-62-2	
Zinc	0.0024J	mg/L	0.010	0.0015	1	03/10/20 20:52	03/11/20 19:40	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/10/20 08:40	03/10/20 18:32	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	91.0	mg/L	10.0	10.0	1		03/10/20 11:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	0.77J	mg/L	1.0	0.60	1		03/10/20 22:30	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/10/20 22:30	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		03/10/20 22:30	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWA-55		Lab ID: 2629786003		Collected: 03/03/20 15:12		Received: 03/04/20 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	6.95	Std. Units			1		03/09/20 14:29		
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	40.1	mg/L	1.0	0.14	1	03/10/20 18:30	03/11/20 20:39	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/10/20 20:52	03/11/20 19:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/10/20 20:52	03/11/20 19:57	7440-38-2	
Barium	0.023	mg/L	0.010	0.00049	1	03/10/20 20:52	03/11/20 19:57	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/10/20 20:52	03/11/20 19:57	7440-41-7	
Boron	0.010J	mg/L	0.040	0.0049	1	03/10/20 20:52	03/11/20 19:57	7440-42-8	B
Cadmium	ND	mg/L	0.0025	0.00011	1	03/10/20 20:52	03/11/20 19:57	7440-43-9	
Chromium	0.00085J	mg/L	0.010	0.00039	1	03/10/20 20:52	03/11/20 19:57	7440-47-3	B
Cobalt	0.0048J	mg/L	0.0050	0.00030	1	03/10/20 20:52	03/11/20 19:57	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/10/20 20:52	03/11/20 19:57	7440-50-8	
Lead	0.000048J	mg/L	0.0050	0.000046	1	03/10/20 20:52	03/11/20 19:57	7439-92-1	
Nickel	0.00061J	mg/L	0.010	0.00031	1	03/10/20 20:52	03/11/20 19:57	7440-02-0	
Selenium	0.0025J	mg/L	0.010	0.0013	1	03/10/20 20:52	03/11/20 19:57	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/10/20 20:52	03/11/20 19:57	7440-22-4	
Thallium	0.000065J	mg/L	0.0010	0.000052	1	03/10/20 20:52	03/11/20 19:57	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/10/20 20:52	03/11/20 19:57	7440-62-2	
Zinc	0.0050J	mg/L	0.010	0.0015	1	03/10/20 20:52	03/11/20 19:57	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/10/20 08:40	03/10/20 18:41	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	210	mg/L	10.0	10.0	1		03/10/20 11:52		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	2.7	mg/L	1.0	0.60	1		03/10/20 22:44	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/10/20 22:44	16984-48-8	
Sulfate	29.0	mg/L	1.0	0.50	1		03/10/20 22:44	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWC-21R		Lab ID: 2629786004		Collected: 03/03/20 16:31		Received: 03/04/20 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.10	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	70.2	mg/L	1.0	0.14	1	03/10/20 18:30	03/11/20 20:42	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.0019J	mg/L	0.0030	0.00027	1	03/10/20 20:52	03/11/20 20:03	7440-36-0	
Arsenic	0.0015J	mg/L	0.0050	0.00035	1	03/10/20 20:52	03/11/20 20:03	7440-38-2	
Barium	0.022	mg/L	0.010	0.00049	1	03/10/20 20:52	03/11/20 20:03	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/10/20 20:52	03/11/20 20:03	7440-41-7	
Boron	0.0096J	mg/L	0.040	0.0049	1	03/10/20 20:52	03/11/20 20:03	7440-42-8	B
Cadmium	ND	mg/L	0.0025	0.00011	1	03/10/20 20:52	03/11/20 20:03	7440-43-9	
Chromium	0.00058J	mg/L	0.010	0.00039	1	03/10/20 20:52	03/11/20 20:03	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/10/20 20:52	03/11/20 20:03	7440-48-4	
Copper	0.00049J	mg/L	0.025	0.00019	1	03/10/20 20:52	03/11/20 20:03	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/10/20 20:52	03/11/20 20:03	7439-92-1	
Nickel	0.00099J	mg/L	0.010	0.00031	1	03/10/20 20:52	03/11/20 20:03	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/10/20 20:52	03/11/20 20:03	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/10/20 20:52	03/11/20 20:03	7440-22-4	
Thallium	0.000071J	mg/L	0.0010	0.000052	1	03/10/20 20:52	03/11/20 20:03	7440-28-0	
Vanadium	0.00085J	mg/L	0.010	0.00071	1	03/10/20 20:52	03/11/20 20:03	7440-62-2	
Zinc	0.0044J	mg/L	0.010	0.0015	1	03/10/20 20:52	03/11/20 20:03	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/10/20 08:40	03/10/20 18:44	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	292	mg/L	10.0	10.0	1		03/10/20 11:53		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	3.9	mg/L	1.0	0.60	1		03/10/20 22:58	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/10/20 22:58	16984-48-8	
Sulfate	11.3	mg/L	1.0	0.50	1		03/10/20 22:58	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWC-22R		Lab ID: 2629786005		Collected: 03/03/20 14:08		Received: 03/04/20 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.15	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	37.2	mg/L	1.0	0.14	1	03/10/20 18:30	03/11/20 20:46	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/10/20 20:52	03/11/20 20:08	7440-36-0	
Arsenic	0.0014J	mg/L	0.0050	0.00035	1	03/10/20 20:52	03/11/20 20:08	7440-38-2	
Barium	0.044	mg/L	0.010	0.00049	1	03/10/20 20:52	03/11/20 20:08	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/10/20 20:52	03/11/20 20:08	7440-41-7	
Boron	0.0066J	mg/L	0.040	0.0049	1	03/10/20 20:52	03/11/20 20:08	7440-42-8	B
Cadmium	ND	mg/L	0.0025	0.00011	1	03/10/20 20:52	03/11/20 20:08	7440-43-9	
Chromium	0.00057J	mg/L	0.010	0.00039	1	03/10/20 20:52	03/11/20 20:08	7440-47-3	B
Cobalt	0.00078J	mg/L	0.0050	0.00030	1	03/10/20 20:52	03/11/20 20:08	7440-48-4	
Copper	0.00022J	mg/L	0.025	0.00019	1	03/10/20 20:52	03/11/20 20:08	7440-50-8	
Lead	0.000059J	mg/L	0.0050	0.000046	1	03/10/20 20:52	03/11/20 20:08	7439-92-1	
Nickel	0.0010J	mg/L	0.010	0.00031	1	03/10/20 20:52	03/11/20 20:08	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/10/20 20:52	03/11/20 20:08	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/10/20 20:52	03/11/20 20:08	7440-22-4	
Thallium	0.000072J	mg/L	0.0010	0.000052	1	03/10/20 20:52	03/11/20 20:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/10/20 20:52	03/11/20 20:08	7440-62-2	
Zinc	0.0029J	mg/L	0.010	0.0015	1	03/10/20 20:52	03/11/20 20:08	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/10/20 08:40	03/10/20 18:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	181	mg/L	10.0	10.0	1		03/10/20 11:53		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.5	mg/L	1.0	0.60	1		03/10/20 23:12	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/10/20 23:12	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		03/10/20 23:12	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWC-24R		Lab ID: 2629786006		Collected: 03/03/20 12:13		Received: 03/04/20 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	7.55	Std. Units			1		03/09/20 14:29		
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	33.3	mg/L	1.0	0.14	1	03/10/20 18:30	03/11/20 20:49	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/10/20 20:52	03/11/20 20:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/10/20 20:52	03/11/20 20:14	7440-38-2	
Barium	0.020	mg/L	0.010	0.00049	1	03/10/20 20:52	03/11/20 20:14	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/10/20 20:52	03/11/20 20:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/10/20 20:52	03/11/20 20:14	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/10/20 20:52	03/11/20 20:14	7440-43-9	
Chromium	0.00052J	mg/L	0.010	0.00039	1	03/10/20 20:52	03/11/20 20:14	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/10/20 20:52	03/11/20 20:14	7440-48-4	
Copper	0.00097J	mg/L	0.025	0.00019	1	03/10/20 20:52	03/11/20 20:14	7440-50-8	
Lead	0.000057J	mg/L	0.0050	0.000046	1	03/10/20 20:52	03/11/20 20:14	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/10/20 20:52	03/11/20 20:14	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/10/20 20:52	03/11/20 20:14	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/10/20 20:52	03/11/20 20:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/10/20 20:52	03/11/20 20:14	7440-28-0	
Vanadium	0.0011J	mg/L	0.010	0.00071	1	03/10/20 20:52	03/11/20 20:14	7440-62-2	
Zinc	0.0033J	mg/L	0.010	0.0015	1	03/10/20 20:52	03/11/20 20:14	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/10/20 08:40	03/10/20 18:48	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	146	mg/L	10.0	10.0	1		03/10/20 11:53		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	2.1	mg/L	1.0	0.60	1		03/10/20 23:26	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/10/20 23:26	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		03/10/20 23:26	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWC-25R		Lab ID: 2629786007		Collected: 03/03/20 10:21		Received: 03/04/20 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	7.56	Std. Units			1		03/09/20 14:29		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	37.6	mg/L	1.0	0.14	1	03/10/20 18:30	03/11/20 20:53	7440-70-2	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/10/20 20:52	03/11/20 20:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/10/20 20:52	03/11/20 20:20	7440-38-2	
Barium	0.015	mg/L	0.010	0.00049	1	03/10/20 20:52	03/11/20 20:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/10/20 20:52	03/11/20 20:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/10/20 20:52	03/11/20 20:20	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/10/20 20:52	03/11/20 20:20	7440-43-9	
Chromium	0.00078J	mg/L	0.010	0.00039	1	03/10/20 20:52	03/11/20 20:20	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/10/20 20:52	03/11/20 20:20	7440-48-4	
Copper	0.00027J	mg/L	0.025	0.00019	1	03/10/20 20:52	03/11/20 20:20	7440-50-8	
Lead	0.000059J	mg/L	0.0050	0.000046	1	03/10/20 20:52	03/11/20 20:20	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/10/20 20:52	03/11/20 20:20	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/10/20 20:52	03/11/20 20:20	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/10/20 20:52	03/11/20 20:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/10/20 20:52	03/11/20 20:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/10/20 20:52	03/11/20 20:20	7440-62-2	
Zinc	0.0027J	mg/L	0.010	0.0015	1	03/10/20 20:52	03/11/20 20:20	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/10/20 08:40	03/10/20 18:51	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	183	mg/L	10.0	10.0	1		03/10/20 11:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	2.4	mg/L	1.0	0.60	1		03/11/20 00:08	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/11/20 00:08	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		03/11/20 00:08	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWA-36		Lab ID: 2629786008		Collected: 03/02/20 11:26		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	6.58	Std. Units			1		03/09/20 14:29		
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	12.5	mg/L	1.0	0.14	1	03/11/20 18:00	03/18/20 19:42	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/11/20 19:30	03/16/20 16:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/11/20 19:30	03/16/20 16:21	7440-38-2	
Barium	0.019	mg/L	0.010	0.00049	1	03/11/20 19:30	03/16/20 16:21	7440-39-3	
Beryllium	0.00024J	mg/L	0.0030	0.000074	1	03/11/20 19:30	03/16/20 16:21	7440-41-7	
Boron	0.010J	mg/L	0.040	0.0049	1	03/11/20 19:30	03/16/20 16:21	7440-42-8	
Cadmium	0.0012J	mg/L	0.0025	0.00011	1	03/11/20 19:30	03/16/20 16:21	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/11/20 19:30	03/16/20 16:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/11/20 19:30	03/16/20 16:21	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/11/20 19:30	03/16/20 16:21	7440-50-8	
Lead	0.000052J	mg/L	0.0050	0.000046	1	03/11/20 19:30	03/16/20 16:21	7439-92-1	
Nickel	0.00071J	mg/L	0.010	0.00031	1	03/11/20 19:30	03/16/20 16:21	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/11/20 19:30	03/16/20 16:21	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/11/20 19:30	03/16/20 16:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/11/20 19:30	03/16/20 16:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/11/20 19:30	03/16/20 16:21	7440-62-2	
Zinc	0.54	mg/L	0.010	0.0015	1	03/11/20 19:30	03/16/20 16:21	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:00	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	65.0	mg/L	10.0	10.0	1		03/09/20 22:15		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	2.1	mg/L	1.0	0.60	1		03/13/20 04:36	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 04:36	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/13/20 04:36	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWA-36R		Lab ID: 2629786009		Collected: 03/02/20 11:20		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	7.24	Std. Units			1		03/09/20 14:29		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	35.2	mg/L	1.0	0.14	1	03/11/20 18:00	03/18/20 19:46	7440-70-2	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/11/20 19:30	03/16/20 16:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/11/20 19:30	03/16/20 16:27	7440-38-2	
Barium	0.024	mg/L	0.010	0.00049	1	03/11/20 19:30	03/16/20 16:27	7440-39-3	
Beryllium	0.00015J	mg/L	0.0030	0.000074	1	03/11/20 19:30	03/16/20 16:27	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0049	1	03/11/20 19:30	03/16/20 16:27	7440-42-8	
Cadmium	0.00018J	mg/L	0.0025	0.00011	1	03/11/20 19:30	03/16/20 16:27	7440-43-9	
Chromium	0.00047J	mg/L	0.010	0.00039	1	03/11/20 19:30	03/16/20 16:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/11/20 19:30	03/16/20 16:27	7440-48-4	
Copper	0.00043J	mg/L	0.025	0.00019	1	03/11/20 19:30	03/16/20 16:27	7440-50-8	
Lead	0.00031J	mg/L	0.0050	0.000046	1	03/11/20 19:30	03/16/20 16:27	7439-92-1	
Nickel	0.00051J	mg/L	0.010	0.00031	1	03/11/20 19:30	03/16/20 16:27	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/11/20 19:30	03/16/20 16:27	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/11/20 19:30	03/16/20 16:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/11/20 19:30	03/16/20 16:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/11/20 19:30	03/16/20 16:27	7440-62-2	
Zinc	0.056	mg/L	0.010	0.0015	1	03/11/20 19:30	03/16/20 16:27	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:03	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	170	mg/L	10.0	10.0	1		03/09/20 22:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	2.4	mg/L	1.0	0.60	1		03/12/20 17:45	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 17:45	16984-48-8	M1
Sulfate	7.9	mg/L	1.0	0.50	1		03/12/20 17:45	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWA-37		Lab ID: 2629786010		Collected: 03/02/20 14:37		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.52	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	0.77J	mg/L	1.0	0.14	1	03/11/20 18:00	03/18/20 19:49	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.0018J	mg/L	0.0030	0.00027	1	03/11/20 19:30	03/16/20 16:48	7440-36-0	
Arsenic	0.00053J	mg/L	0.0050	0.00035	1	03/11/20 19:30	03/16/20 16:48	7440-38-2	B
Barium	0.0050J	mg/L	0.010	0.00049	1	03/11/20 19:30	03/16/20 16:48	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/11/20 19:30	03/16/20 16:48	7440-41-7	
Boron	0.0052J	mg/L	0.040	0.0049	1	03/11/20 19:30	03/16/20 16:48	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/11/20 19:30	03/16/20 16:48	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/11/20 19:30	03/16/20 16:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/11/20 19:30	03/16/20 16:48	7440-48-4	
Copper	0.0068J	mg/L	0.025	0.00019	1	03/11/20 19:30	03/16/20 16:48	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/11/20 19:30	03/16/20 16:48	7439-92-1	
Nickel	0.0079J	mg/L	0.010	0.00031	1	03/11/20 19:30	03/16/20 16:48	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/11/20 19:30	03/16/20 16:48	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/11/20 19:30	03/16/20 16:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/11/20 19:30	03/16/20 16:48	7440-28-0	
Vanadium	0.00074J	mg/L	0.010	0.00071	1	03/11/20 19:30	03/16/20 16:48	7440-62-2	
Zinc	0.0063J	mg/L	0.010	0.0015	1	03/11/20 19:30	03/16/20 16:48	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/09/20 22:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	0.78J	mg/L	1.0	0.60	1		03/12/20 18:27	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 18:27	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/12/20 18:27	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWA-38		Lab ID: 2629786011		Collected: 03/02/20 13:22		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.49	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	2.5	mg/L	1.0	0.14	1	03/11/20 18:00	03/18/20 19:53	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/11/20 19:30	03/16/20 16:53	7440-36-0	
Arsenic	0.00059J	mg/L	0.0050	0.00035	1	03/11/20 19:30	03/16/20 16:53	7440-38-2	B
Barium	0.012	mg/L	0.010	0.00049	1	03/11/20 19:30	03/16/20 16:53	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/11/20 19:30	03/16/20 16:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/11/20 19:30	03/16/20 16:53	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/11/20 19:30	03/16/20 16:53	7440-43-9	
Chromium	0.0014J	mg/L	0.010	0.00039	1	03/11/20 19:30	03/16/20 16:53	7440-47-3	
Cobalt	0.0011J	mg/L	0.0050	0.00030	1	03/11/20 19:30	03/16/20 16:53	7440-48-4	
Copper	0.00019J	mg/L	0.025	0.00019	1	03/11/20 19:30	03/16/20 16:53	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/11/20 19:30	03/16/20 16:53	7439-92-1	
Nickel	0.0010J	mg/L	0.010	0.00031	1	03/11/20 19:30	03/16/20 16:53	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/11/20 19:30	03/16/20 16:53	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/11/20 19:30	03/16/20 16:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/11/20 19:30	03/16/20 16:53	7440-28-0	
Vanadium	0.0014J	mg/L	0.010	0.00071	1	03/11/20 19:30	03/16/20 16:53	7440-62-2	
Zinc	0.0032J	mg/L	0.010	0.0015	1	03/11/20 19:30	03/16/20 16:53	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:07	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	32.0	mg/L	10.0	10.0	1		03/09/20 22:16		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.5	mg/L	1.0	0.60	1		03/12/20 18:41	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 18:41	16984-48-8	
Sulfate	0.50J	mg/L	1.0	0.50	1		03/12/20 18:41	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWA-52		Lab ID: 2629786012		Collected: 03/02/20 16:31		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	7.44	Std. Units			1		03/09/20 14:29		
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	33.7	mg/L	1.0	0.14	1	03/11/20 18:00	03/18/20 19:56	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/11/20 19:30	03/16/20 16:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/11/20 19:30	03/16/20 16:59	7440-38-2	
Barium	0.023	mg/L	0.010	0.00049	1	03/11/20 19:30	03/16/20 16:59	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/11/20 19:30	03/16/20 16:59	7440-41-7	
Boron	0.0070J	mg/L	0.040	0.0049	1	03/11/20 19:30	03/16/20 16:59	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/11/20 19:30	03/16/20 16:59	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00039	1	03/11/20 19:30	03/16/20 16:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/11/20 19:30	03/16/20 16:59	7440-48-4	
Copper	0.00024J	mg/L	0.025	0.00019	1	03/11/20 19:30	03/16/20 16:59	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/11/20 19:30	03/16/20 16:59	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/11/20 19:30	03/16/20 16:59	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/11/20 19:30	03/16/20 16:59	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/11/20 19:30	03/16/20 16:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/11/20 19:30	03/16/20 16:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/11/20 19:30	03/16/20 16:59	7440-62-2	
Zinc	0.0024J	mg/L	0.010	0.0015	1	03/11/20 19:30	03/16/20 16:59	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:10	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	142	mg/L	10.0	10.0	1		03/09/20 22:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	4.9	mg/L	1.0	0.60	1		03/12/20 18:55	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 18:55	16984-48-8	
Sulfate	16.3	mg/L	1.0	0.50	1		03/12/20 18:55	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: FBL030220		Lab ID: 2629786013		Collected: 03/02/20 17:28		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/11/20 18:00	03/18/20 20:00	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/11/20 19:30	03/16/20 17:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/11/20 19:30	03/16/20 17:11	7440-38-2	
Barium	0.0018J	mg/L	0.010	0.00049	1	03/11/20 19:30	03/16/20 17:11	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/11/20 19:30	03/16/20 17:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/11/20 19:30	03/16/20 17:11	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/11/20 19:30	03/16/20 17:11	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/11/20 19:30	03/16/20 17:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/11/20 19:30	03/16/20 17:11	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/11/20 19:30	03/16/20 17:11	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/11/20 19:30	03/16/20 17:11	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/11/20 19:30	03/16/20 17:11	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/11/20 19:30	03/16/20 17:11	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/11/20 19:30	03/16/20 17:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/11/20 19:30	03/16/20 17:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/11/20 19:30	03/16/20 17:11	7440-62-2	
Zinc	0.0027J	mg/L	0.010	0.0015	1	03/11/20 19:30	03/16/20 17:11	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:12	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/09/20 22:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/12/20 19:09	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 19:09	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/12/20 19:09	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: EQBL030220		Lab ID: 2629786014		Collected: 03/02/20 17:31		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 19:18	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/11/20 19:30	03/16/20 17:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/11/20 19:30	03/16/20 17:16	7440-38-2	
Barium	0.0018J	mg/L	0.010	0.00049	1	03/11/20 19:30	03/16/20 17:16	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/11/20 19:30	03/16/20 17:16	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/11/20 19:30	03/16/20 17:16	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/11/20 19:30	03/16/20 17:16	7440-43-9	
Chromium	0.00049J	mg/L	0.010	0.00039	1	03/11/20 19:30	03/16/20 17:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/11/20 19:30	03/16/20 17:16	7440-48-4	
Copper	0.00019J	mg/L	0.025	0.00019	1	03/11/20 19:30	03/16/20 17:16	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/11/20 19:30	03/16/20 17:16	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/11/20 19:30	03/16/20 17:16	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/11/20 19:30	03/16/20 17:16	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/11/20 19:30	03/16/20 17:16	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/11/20 19:30	03/16/20 17:16	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/11/20 19:30	03/16/20 17:16	7440-62-2	
Zinc	0.0031J	mg/L	0.010	0.0015	1	03/11/20 19:30	03/16/20 17:16	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:15	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/09/20 22:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/12/20 19:23	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 19:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/12/20 19:23	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: DUP-1		Lab ID: 2629786015		Collected: 03/02/20 00:00		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	33.4	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 19:22	7440-70-2	M1
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 18:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 18:14	7440-38-2	
Barium	0.021	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 18:14	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 18:14	7440-41-7	
Boron	0.0079J	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 18:14	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 18:14	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 18:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 18:14	7440-48-4	
Copper	0.00036J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 18:14	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 18:14	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 18:14	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 18:14	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 18:14	7440-22-4	
Thallium	0.000092J	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 18:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 18:14	7440-62-2	
Zinc	0.0017J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 18:14	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:17	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	151	mg/L	10.0	10.0	1		03/09/20 22:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	5.0	mg/L	1.0	0.60	1		03/12/20 20:19	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 20:19	16984-48-8	
Sulfate	16.7	mg/L	1.0	0.50	1		03/12/20 20:19	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWA-53		Lab ID: 2629786016		Collected: 03/04/20 11:16		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.63	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	31.2	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 19:35	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.0019J	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 18:37	7440-36-0	B
Arsenic	0.00044J	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 18:37	7440-38-2	
Barium	0.013	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 18:37	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 18:37	7440-41-7	
Boron	0.0064J	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 18:37	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 18:37	7440-43-9	
Chromium	0.00076J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 18:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 18:37	7440-48-4	
Copper	0.00053J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 18:37	7440-50-8	
Lead	0.00016J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 18:37	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 18:37	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 18:37	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 18:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 18:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 18:37	7440-62-2	
Zinc	0.0040J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 18:37	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:19	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	146	mg/L	10.0	10.0	1		03/11/20 16:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.2	mg/L	1.0	0.60	1		03/12/20 20:33	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 20:33	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		03/12/20 20:33	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWA-53R		Lab ID: 2629786017		Collected: 03/04/20 12:13		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	7.72	Std. Units			1		03/09/20 14:29		
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	31.6	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 19:46	7440-70-2	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	0.00053J	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 18:43	7440-36-0	B
Arsenic	0.00043J	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 18:43	7440-38-2	
Barium	0.015	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 18:43	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 18:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 18:43	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 18:43	7440-43-9	
Chromium	0.0012J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 18:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 18:43	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 18:43	7440-50-8	
Lead	0.000066J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 18:43	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 18:43	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 18:43	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 18:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 18:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 18:43	7440-62-2	
Zinc	0.0027J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 18:43	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 09:30	03/12/20 19:22	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	157	mg/L	10.0	10.0	1		03/11/20 16:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	2.3	mg/L	1.0	0.60	1		03/12/20 20:47	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 20:47	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		03/12/20 20:47	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWA-55R		Lab ID: 2629786018		Collected: 03/04/20 10:49		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	7.27	Std. Units			1		03/09/20 14:29		
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	39.9	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 19:49	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 18:49	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 18:49	7440-38-2	
Barium	0.029	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 18:49	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 18:49	7440-41-7	
Boron	0.0063J	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 18:49	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 18:49	7440-43-9	
Chromium	0.00079J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 18:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 18:49	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 18:49	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 18:49	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 18:49	7440-02-0	
Selenium	0.0018J	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 18:49	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 18:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 18:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 18:49	7440-62-2	
Zinc	0.0028J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 18:49	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:09	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	207	mg/L	10.0	10.0	1		03/11/20 16:03		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	2.6	mg/L	1.0	0.60	1		03/12/20 21:01	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 21:01	16984-48-8	
Sulfate	23.4	mg/L	1.0	0.50	1		03/12/20 21:01	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWA-56		Lab ID: 2629786019		Collected: 03/04/20 13:08		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.95	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	38.0	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 19:53	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 18:54	7440-36-0	
Arsenic	0.00040J	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 18:54	7440-38-2	
Barium	0.039	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 18:54	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 18:54	7440-41-7	
Boron	0.022J	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 18:54	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 18:54	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 18:54	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 18:54	7440-48-4	
Copper	0.00030J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 18:54	7440-50-8	
Lead	0.000050J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 18:54	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 18:54	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 18:54	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 18:54	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 18:54	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 18:54	7440-62-2	
Zinc	0.0029J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 18:54	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	325	mg/L	10.0	10.0	1		03/11/20 16:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	4.5	mg/L	1.0	0.60	1		03/12/20 21:15	16887-00-6	
Fluoride	0.086J	mg/L	0.30	0.050	1		03/12/20 21:15	16984-48-8	
Sulfate	69.4	mg/L	1.0	0.50	1		03/12/20 21:15	14808-79-8	M1

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWC-16R		Lab ID: 2629786020		Collected: 03/04/20 16:10		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.37	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	60.6	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 19:56	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.019	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:12	7440-36-0	
Arsenic	0.00088J	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:12	7440-38-2	
Barium	0.045	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:12	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:12	7440-41-7	
Boron	0.027J	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:12	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:12	7440-43-9	
Chromium	0.0014J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:12	7440-48-4	
Copper	0.0024J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:12	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:12	7439-92-1	
Nickel	0.0032J	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:12	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:12	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:12	7440-22-4	
Thallium	0.00014J	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:12	7440-28-0	
Vanadium	0.0023J	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:12	7440-62-2	
Zinc	0.015	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:12	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:14	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	326	mg/L	10.0	10.0	1		03/11/20 16:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	0.79J	mg/L	1.0	0.60	1		03/12/20 21:57	16887-00-6	
Fluoride	0.29J	mg/L	0.30	0.050	1		03/12/20 21:57	16984-48-8	
Sulfate	8.4	mg/L	1.0	0.50	1		03/12/20 21:57	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWC-19R		Lab ID: 2629786021		Collected: 03/04/20 16:20		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.65	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	34.0	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 20:00	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:17	7440-36-0	
Arsenic	0.00072J	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:17	7440-38-2	
Barium	0.017	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:17	7440-39-3	
Beryllium	0.00013J	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:17	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:17	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:17	7440-43-9	
Chromium	0.0010J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:17	7440-48-4	
Copper	0.00036J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:17	7440-50-8	
Lead	0.00030J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:17	7439-92-1	
Nickel	0.00071J	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:17	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:17	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:17	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:17	7440-28-0	
Vanadium	0.00096J	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:17	7440-62-2	
Zinc	0.0072J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:17	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:16	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	157	mg/L	10.0	10.0	1		03/11/20 16:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.3	mg/L	1.0	0.60	1		03/12/20 22:11	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 22:11	16984-48-8	
Sulfate	3.6	mg/L	1.0	0.50	1		03/12/20 22:11	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: FBL030420		Lab ID: 2629786022		Collected: 03/04/20 16:37		Received: 03/06/20 11:25		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	ND	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 20:03	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:23	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:23	7440-38-2		
Barium	0.0018J	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:23	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:23	7440-41-7		
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:23	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:23	7440-43-9		
Chromium	ND	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:23	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:23	7440-48-4		
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:23	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:23	7439-92-1		
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:23	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:23	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:23	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:23	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:23	7440-62-2		
Zinc	0.0023J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:23	7440-66-6		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:19	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/11/20 16:03			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	ND	mg/L	1.0	0.60	1		03/12/20 22:25	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 22:25	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		03/12/20 22:25	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: EQBL030420		Lab ID: 2629786023		Collected: 03/04/20 16:44		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 20:07	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:29	7440-38-2	
Barium	0.0018J	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:29	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:29	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:29	7440-43-9	
Chromium	0.00046J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:29	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:29	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:29	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:29	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:29	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:29	7440-62-2	
Zinc	0.0022J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:29	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:26	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/11/20 16:03		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/12/20 23:21	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 23:21	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/12/20 23:21	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: DUP-2		Lab ID: 2629786024		Collected: 03/04/20 00:00		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	41.0	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 20:10	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:34	7440-38-2	
Barium	0.029	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:34	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:34	7440-41-7	
Boron	0.0052J	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:34	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:34	7440-43-9	
Chromium	0.00072J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:34	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:34	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:34	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:34	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:34	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:34	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:34	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:34	7440-62-2	
Zinc	0.0026J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:34	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:28	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	206	mg/L	10.0	10.0	1		03/11/20 16:03		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	2.6	mg/L	1.0	0.60	1		03/12/20 23:35	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 23:35	16984-48-8	
Sulfate	23.6	mg/L	1.0	0.50	1		03/12/20 23:35	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWC-17R		Lab ID: 2629786025		Collected: 03/05/20 12:30		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.30	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	71.4	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 20:14	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:40	7440-38-2	
Barium	0.018	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:40	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:40	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:40	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:40	7440-43-9	
Chromium	0.00063J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:40	7440-48-4	
Copper	0.00023J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:40	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:40	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:40	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:40	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:40	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:40	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:40	7440-62-2	
Zinc	0.0035J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:40	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	307	mg/L	10.0	10.0	1		03/12/20 12:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	4.5	mg/L	1.0	0.60	1		03/12/20 23:49	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/12/20 23:49	16984-48-8	
Sulfate	7.7	mg/L	1.0	0.50	1		03/12/20 23:49	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWC-18R		Lab ID: 2629786026		Collected: 03/05/20 15:35		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.77	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	32.0	mg/L	1.0	0.14	1	03/11/20 18:00	03/13/20 20:17	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.00068J	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:46	7440-36-0	B
Arsenic	0.00042J	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:46	7440-38-2	
Barium	0.015	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:46	7440-39-3	
Beryllium	0.00013J	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:46	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:46	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:46	7440-43-9	
Chromium	0.00070J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:46	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:46	7440-50-8	
Lead	0.00032J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:46	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:46	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:46	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:46	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:46	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:46	7440-62-2	
Zinc	0.0024J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:46	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:33	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	143	mg/L	10.0	10.0	1		03/12/20 12:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.2	mg/L	1.0	0.60	1		03/13/20 00:03	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 00:03	16984-48-8	
Sulfate	1.9	mg/L	1.0	0.50	1		03/13/20 00:03	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWC-20R		Lab ID: 2629786027		Collected: 03/05/20 14:31		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.60	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	38.9	mg/L	1.0	0.14	1	03/11/20 18:00	03/16/20 17:10	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:52	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:52	7440-38-2	
Barium	0.028	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:52	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:52	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:52	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:52	7440-43-9	
Chromium	0.00075J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:52	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:52	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:52	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:52	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:52	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:52	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:52	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:52	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:52	7440-62-2	
Zinc	0.0023J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:52	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/11/20 10:30	03/12/20 20:35	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	171	mg/L	10.0	10.0	1		03/12/20 12:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.5	mg/L	1.0	0.60	1		03/13/20 00:17	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 00:17	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		03/13/20 00:17	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: GWC-23R		Lab ID: 2629786028		Collected: 03/05/20 09:55		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.24	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	63.7	mg/L	1.0	0.14	1	03/11/20 18:00	03/16/20 17:14	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 19:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 19:57	7440-38-2	
Barium	0.022	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 19:57	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 19:57	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 19:57	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 19:57	7440-43-9	
Chromium	0.00086J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 19:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 19:57	7440-48-4	
Copper	0.00030J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 19:57	7440-50-8	
Lead	0.000052J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 19:57	7439-92-1	
Nickel	0.00075J	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 19:57	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 19:57	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 19:57	7440-22-4	
Thallium	0.00018J	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 19:57	7440-28-0	
Vanadium	0.00071J	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 19:57	7440-62-2	
Zinc	0.0084J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 19:57	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	265	mg/L	10.0	10.0	1		03/12/20 12:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.3	mg/L	1.0	0.60	1		03/13/20 00:31	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 00:31	16984-48-8	
Sulfate	10.8	mg/L	1.0	0.50	1		03/13/20 00:31	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: FBL030520		Lab ID: 2629786029		Collected: 03/05/20 17:05		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/11/20 18:00	03/16/20 17:17	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 20:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 20:03	7440-38-2	
Barium	ND	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 20:03	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 20:03	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 20:03	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 20:03	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 20:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 20:03	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 20:03	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 20:03	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 20:03	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 20:03	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 20:03	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 20:03	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 20:03	7440-62-2	
Zinc	ND	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 20:03	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:29	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/12/20 12:59		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/13/20 21:39	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 21:39	16984-48-8	M1
Sulfate	0.55J	mg/L	1.0	0.50	1		03/13/20 21:39	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: EQBL030520		Lab ID: 2629786030		Collected: 03/05/20 17:12		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/11/20 18:00	03/16/20 17:21	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 20:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 20:20	7440-38-2	
Barium	ND	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 20:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 20:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 20:20	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 20:20	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 20:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 20:20	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 20:20	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 20:20	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 20:20	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 20:20	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 20:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 20:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 20:20	7440-62-2	
Zinc	0.0022J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 20:20	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:32	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/12/20 12:59		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/13/20 23:06	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 23:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/13/20 23:06	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: DUP-3		Lab ID: 2629786031		Collected: 03/05/20 00:00		Received: 03/06/20 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	39.2	mg/L	1.0	0.14	1	03/11/20 18:00	03/16/20 17:24	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 20:26	7440-36-0	
Arsenic	0.00040J	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 20:26	7440-38-2	
Barium	0.029	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 20:26	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 20:26	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 20:26	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 20:26	7440-43-9	
Chromium	0.0016J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 20:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 20:26	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 20:26	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 20:26	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 20:26	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 20:26	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 20:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 20:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 20:26	7440-62-2	
Zinc	0.0020J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 20:26	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:34	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	174	mg/L	10.0	10.0	1		03/12/20 12:59		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	1.6	mg/L	1.0	0.60	1		03/13/20 23:21	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 23:21	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		03/13/20 23:21	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Sample: GWC-18		Lab ID: 2629786032		Collected: 03/06/20 12:11		Received: 03/06/20 17:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.01	Std. Units			1		03/09/20 14:29		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	23.5	mg/L	1.0	0.14	1	03/11/20 18:00	03/16/20 17:28	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.00049J	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 20:32	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 20:32	7440-38-2	
Barium	0.015	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 20:32	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 20:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 20:32	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 20:32	7440-43-9	
Chromium	0.0019J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 20:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 20:32	7440-48-4	
Copper	0.00023J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 20:32	7440-50-8	
Lead	0.00013J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 20:32	7439-92-1	
Nickel	0.00050J	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 20:32	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 20:32	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 20:32	7440-22-4	
Thallium	0.000076J	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 20:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 20:32	7440-62-2	
Zinc	0.0045J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 20:32	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:37	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	109	mg/L	10.0	10.0	1		03/13/20 16:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.2	mg/L	1.0	0.60	1		03/13/20 23:35	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 23:35	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		03/13/20 23:35	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Sample: SPRING		Lab ID: 2629786033		Collected: 03/06/20 09:15		Received: 03/06/20 17:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	7.16	Std. Units			1		03/09/20 14:29		
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	14.0	mg/L	1.0	0.14	1	03/11/20 18:00	03/16/20 17:31	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 20:37	7440-36-0	
Arsenic	0.00041J	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 20:37	7440-38-2	
Barium	0.039	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 20:37	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 20:37	7440-41-7	
Boron	0.0082J	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 20:37	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 20:37	7440-43-9	
Chromium	0.0033J	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 20:37	7440-47-3	
Cobalt	0.00051J	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 20:37	7440-48-4	
Copper	0.0015J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 20:37	7440-50-8	
Lead	0.00071J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 20:37	7439-92-1	
Nickel	0.0014J	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 20:37	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 20:37	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 20:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 20:37	7440-28-0	
Vanadium	0.0032J	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 20:37	7440-62-2	
Zinc	0.0064J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 20:37	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:39	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	75.0	mg/L	10.0	10.0	1		03/13/20 16:23		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	2.1	mg/L	1.0	0.60	1		03/13/20 04:15	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/13/20 04:15	16984-48-8	
Sulfate	3.4	mg/L	1.0	0.50	1		03/13/20 04:15	14808-79-8	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

QC Batch: 44367

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006, 2629786007

METHOD BLANK: 203479

Matrix: Water

Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006, 2629786007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/10/20 18:17	

LABORATORY CONTROL SAMPLE: 203480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 203481 203482

Parameter	Units	203481		203482		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629786001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0025	98	101	75-125	4	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 44416 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Associated Lab Samples: 2629786008, 2629786009, 2629786010, 2629786011, 2629786012, 2629786013, 2629786014, 2629786015, 2629786016, 2629786017

METHOD BLANK: 203797 Matrix: Water
Associated Lab Samples: 2629786008, 2629786009, 2629786010, 2629786011, 2629786012, 2629786013, 2629786014, 2629786015, 2629786016, 2629786017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/12/20 18:15	

LABORATORY CONTROL SAMPLE: 203798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 203799 203800

Parameter	Units	2629703020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0025	97	102	75-125	4	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 44417 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Associated Lab Samples: 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024, 2629786025, 2629786026, 2629786027

METHOD BLANK: 203801 Matrix: Water
Associated Lab Samples: 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024, 2629786025, 2629786026, 2629786027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/12/20 19:29	

LABORATORY CONTROL SAMPLE: 203802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 203803 203804

Parameter	Units	2629828005 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
			Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0027	99	108	75-125	9	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

QC Batch: 44498

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 2629786028, 2629786029, 2629786030, 2629786031, 2629786032, 2629786033

METHOD BLANK: 204276

Matrix: Water

Associated Lab Samples: 2629786028, 2629786029, 2629786030, 2629786031, 2629786032, 2629786033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/13/20 13:03	

LABORATORY CONTROL SAMPLE: 204277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 204278 204279

Parameter	Units	204278		204279		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629701014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0024	99	97	75-125	2	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 44426 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET
Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006, 2629786007

METHOD BLANK: 203829 Matrix: Water
Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006, 2629786007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/11/20 19:22	

LABORATORY CONTROL SAMPLE: 203830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 203831 203832

Parameter	Units	2629765005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	49.3	1	1	50.7	50.4	137	108	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 44482 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET
Associated Lab Samples: 2629786008, 2629786009, 2629786010, 2629786011, 2629786012, 2629786013

METHOD BLANK: 204090 Matrix: Water
Associated Lab Samples: 2629786008, 2629786009, 2629786010, 2629786011, 2629786012, 2629786013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/18/20 18:33	

LABORATORY CONTROL SAMPLE: 204091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 204092 204093

Parameter	Units	2629733017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	37.9	1	1	38.6	39.1	76	118	75-125	1	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

QC Batch: 44483 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D MET
 Associated Lab Samples: 2629786014, 2629786015, 2629786016, 2629786017, 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024, 2629786025, 2629786026, 2629786027, 2629786028, 2629786029, 2629786030, 2629786031, 2629786032, 2629786033

METHOD BLANK: 204097 Matrix: Water
 Associated Lab Samples: 2629786014, 2629786015, 2629786016, 2629786017, 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024, 2629786025, 2629786026, 2629786027, 2629786028, 2629786029, 2629786030, 2629786031, 2629786032, 2629786033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/13/20 19:11	

LABORATORY CONTROL SAMPLE: 204098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 204099 204100

Parameter	Units	2629786015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	33.4	1	1	35.4	34.4	192	97	75-125	3	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 44440 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006, 2629786007

METHOD BLANK: 203914 Matrix: Water
Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006, 2629786007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/11/20 18:48	
Arsenic	mg/L	ND	0.0050	0.00035	03/11/20 18:48	
Barium	mg/L	ND	0.010	0.00049	03/11/20 18:48	
Beryllium	mg/L	ND	0.0030	0.000074	03/11/20 18:48	
Boron	mg/L	0.0084J	0.040	0.0049	03/11/20 18:48	
Cadmium	mg/L	ND	0.0025	0.00011	03/11/20 18:48	
Chromium	mg/L	0.00054J	0.010	0.00039	03/11/20 18:48	
Cobalt	mg/L	ND	0.0050	0.00030	03/11/20 18:48	
Copper	mg/L	ND	0.025	0.00019	03/11/20 18:48	
Lead	mg/L	ND	0.0050	0.000046	03/11/20 18:48	
Nickel	mg/L	ND	0.010	0.00031	03/11/20 18:48	
Selenium	mg/L	ND	0.010	0.0013	03/11/20 18:48	
Silver	mg/L	ND	0.010	0.00028	03/11/20 18:48	
Thallium	mg/L	ND	0.0010	0.000052	03/11/20 18:48	
Vanadium	mg/L	ND	0.010	0.00071	03/11/20 18:48	
Zinc	mg/L	ND	0.010	0.0015	03/11/20 18:48	

LABORATORY CONTROL SAMPLE: 203915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	1.1	106	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.11	105	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	104	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.11	108	80-120	
Vanadium	mg/L	0.1	0.10	105	80-120	
Zinc	mg/L	0.1	0.10	103	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Parameter	Units	203916		203917		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	107	75-125	0	20	
Arsenic	mg/L	0.00073J	0.1	0.1	0.099	0.099	99	98	75-125	1	20	
Barium	mg/L	0.017	0.1	0.1	0.12	0.12	100	100	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	2	20	
Boron	mg/L	0.0096J	1	1	1.0	1.1	103	105	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	2	20	
Copper	mg/L	0.00041J	0.1	0.1	0.098	0.10	98	99	75-125	2	20	
Lead	mg/L	0.000051J	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Nickel	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20	
Selenium	mg/L	0.0053J	0.1	0.1	0.10	0.11	98	104	75-125	6	20	
Silver	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Thallium	mg/L	0.00012J	0.1	0.1	0.10	0.10	103	104	75-125	1	20	
Vanadium	mg/L	0.00091J	0.1	0.1	0.10	0.10	102	104	75-125	1	20	
Zinc	mg/L	0.0035J	0.1	0.1	0.10	0.10	98	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 44487 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Associated Lab Samples: 2629786008, 2629786009, 2629786010, 2629786011, 2629786012, 2629786013, 2629786014

METHOD BLANK: 204143 Matrix: Water
Associated Lab Samples: 2629786008, 2629786009, 2629786010, 2629786011, 2629786012, 2629786013, 2629786014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/16/20 14:26	
Arsenic	mg/L	0.00036J	0.0050	0.00035	03/16/20 14:26	
Barium	mg/L	ND	0.010	0.00049	03/16/20 14:26	
Beryllium	mg/L	ND	0.0030	0.000074	03/16/20 14:26	
Boron	mg/L	ND	0.040	0.0049	03/16/20 14:26	
Cadmium	mg/L	ND	0.0025	0.00011	03/16/20 14:26	
Chromium	mg/L	ND	0.010	0.00039	03/16/20 14:26	
Cobalt	mg/L	ND	0.0050	0.00030	03/16/20 14:26	
Copper	mg/L	ND	0.025	0.00019	03/16/20 14:26	
Lead	mg/L	ND	0.0050	0.000046	03/16/20 14:26	
Nickel	mg/L	ND	0.010	0.00031	03/16/20 14:26	
Selenium	mg/L	ND	0.010	0.0013	03/16/20 14:26	
Silver	mg/L	ND	0.010	0.00028	03/16/20 14:26	
Thallium	mg/L	ND	0.0010	0.000052	03/16/20 14:26	
Vanadium	mg/L	ND	0.010	0.00071	03/16/20 14:26	
Zinc	mg/L	ND	0.010	0.0015	03/16/20 14:26	

LABORATORY CONTROL SAMPLE: 204144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.096	96	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.095	95	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	
Zinc	mg/L	0.1	0.10	101	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Parameter	Units	204145		204146		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2629733015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	106	102	75-125	3	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	105	101	75-125	4	20		
Barium	mg/L	0.025	0.1	0.1	0.13	0.12	102	98	75-125	3	20		
Beryllium	mg/L	ND	0.1	0.1	0.095	0.092	95	92	75-125	4	20		
Boron	mg/L	1.5	1	1	2.6	2.4	112	94	75-125	7	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.098	0.096	97	95	75-125	2	20		
Cobalt	mg/L	0.0011J	0.1	0.1	0.098	0.098	97	97	75-125	0	20		
Copper	mg/L	0.00029J	0.1	0.1	0.098	0.096	98	96	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20		
Nickel	mg/L	0.0047J	0.1	0.1	0.10	0.10	96	96	75-125	0	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	99	75-125	2	20		
Silver	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.098	0.095	98	95	75-125	3	20		
Vanadium	mg/L	0.0033J	0.1	0.1	0.10	0.10	102	99	75-125	3	20		
Zinc	mg/L	0.0026J	0.1	0.1	0.099	0.099	97	96	75-125	0	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 44555 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Associated Lab Samples: 2629786015, 2629786016, 2629786017, 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024, 2629786025, 2629786026, 2629786027, 2629786028, 2629786029, 2629786030, 2629786031, 2629786032, 2629786033

METHOD BLANK: 204815 Matrix: Water
Associated Lab Samples: 2629786015, 2629786016, 2629786017, 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024, 2629786025, 2629786026, 2629786027, 2629786028, 2629786029, 2629786030, 2629786031, 2629786032, 2629786033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/16/20 18:03	
Arsenic	mg/L	ND	0.0050	0.00035	03/16/20 18:03	
Barium	mg/L	ND	0.010	0.00049	03/16/20 18:03	
Beryllium	mg/L	ND	0.0030	0.000074	03/16/20 18:03	
Boron	mg/L	ND	0.040	0.0049	03/16/20 18:03	
Cadmium	mg/L	ND	0.0025	0.00011	03/16/20 18:03	
Chromium	mg/L	ND	0.010	0.00039	03/16/20 18:03	
Cobalt	mg/L	ND	0.0050	0.00030	03/16/20 18:03	
Copper	mg/L	ND	0.025	0.00019	03/16/20 18:03	
Lead	mg/L	ND	0.0050	0.000046	03/16/20 18:03	
Nickel	mg/L	ND	0.010	0.00031	03/16/20 18:03	
Selenium	mg/L	ND	0.010	0.0013	03/16/20 18:03	
Silver	mg/L	ND	0.010	0.00028	03/16/20 18:03	
Thallium	mg/L	ND	0.0010	0.000052	03/16/20 18:03	
Vanadium	mg/L	ND	0.010	0.00071	03/16/20 18:03	
Zinc	mg/L	ND	0.010	0.0015	03/16/20 18:03	

LABORATORY CONTROL SAMPLE: 204816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	105	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Silver	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.10	101	80-120	
Zinc	mg/L	0.1	0.10	101	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Parameter	Units	204817		204818		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20	
Barium	mg/L	0.021	0.1	0.1	0.12	0.12	97	100	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.099	0.10	99	104	75-125	5	20	
Boron	mg/L	0.0079J	1	1	1.0	1.1	103	107	75-125	4	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	1	20	
Chromium	mg/L	0.0011J	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Copper	mg/L	0.00036J	0.1	0.1	0.10	0.10	102	102	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20	
Thallium	mg/L	0.000092J	0.1	0.1	0.094	0.097	94	97	75-125	3	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20	
Zinc	mg/L	0.0017J	0.1	0.1	0.10	0.10	99	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

QC Batch: 44391 Analysis Method: SM 2540C
 QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
 Associated Lab Samples: 2629786008, 2629786009, 2629786010, 2629786011, 2629786012, 2629786013, 2629786014, 2629786015

LABORATORY CONTROL SAMPLE: 203645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	380	95	84-108	

SAMPLE DUPLICATE: 203646

Parameter	Units	2629786008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	65.0	71.0	9	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

QC Batch: 44404 Analysis Method: SM 2540C
 QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
 Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006, 2629786007

LABORATORY CONTROL SAMPLE: 203703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	399	100	84-108	

SAMPLE DUPLICATE: 203704

Parameter	Units	2629765002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	369	369	0	10	

SAMPLE DUPLICATE: 203705

Parameter	Units	2629765013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 44470 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 2629786016, 2629786017, 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024

LABORATORY CONTROL SAMPLE: 204029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	413	103	84-108	

SAMPLE DUPLICATE: 204030

Parameter	Units	2629733013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	11.0	10.0	10	10	

SAMPLE DUPLICATE: 204031

Parameter	Units	2629884001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	152	167	9	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

QC Batch: 44505

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 2629786025, 2629786026, 2629786027, 2629786028, 2629786029, 2629786030, 2629786031

LABORATORY CONTROL SAMPLE: 204334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	84-108	

SAMPLE DUPLICATE: 204335

Parameter	Units	2629733017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	297	314	6	10	

SAMPLE DUPLICATE: 204336

Parameter	Units	2629734014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	457	455	0	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF

Pace Project No.: 2629786

QC Batch: 44563

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 2629786032, 2629786033

LABORATORY CONTROL SAMPLE: 204885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	84-108	

SAMPLE DUPLICATE: 204886

Parameter	Units	2629872001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	305	303	1	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 529390 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006

METHOD BLANK: 2827590 Matrix: Water
Associated Lab Samples: 2629786001, 2629786002, 2629786003, 2629786004, 2629786005, 2629786006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/10/20 16:12	
Fluoride	mg/L	ND	0.10	0.050	03/10/20 16:12	
Sulfate	mg/L	ND	1.0	0.50	03/10/20 16:12	

LABORATORY CONTROL SAMPLE: 2827591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.1	98	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	48.3	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2827592 2827593

Parameter	Units	2827592		2827593		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	42.0	50	92.3	92.6	101	101	90-110	0	10	
Fluoride	mg/L	1.4	2.5	4.0	4.0	101	102	90-110	1	10	
Sulfate	mg/L	48.4	50	98.1	98.3	99	100	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2827594 2827595

Parameter	Units	2827594		2827595		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	79.1	50	118	119	77	79	90-110	1	10 M1	
Fluoride	mg/L	0.052J	2.5	2.6	2.6	103	103	90-110	0	10	
Sulfate	mg/L	97.4	50	141	143	88	90	90-110	1	10 M1	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 529391 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629786007

METHOD BLANK: 2827596 Matrix: Water
Associated Lab Samples: 2629786007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/10/20 23:40	
Fluoride	mg/L	ND	0.10	0.050	03/10/20 23:40	
Sulfate	mg/L	ND	1.0	0.50	03/10/20 23:40	

LABORATORY CONTROL SAMPLE: 2827597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.7	103	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2827598 2827599

Parameter	Units	2629786007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.4	50	50	53.6	53.8	102	103	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	100	103	90-110	2	10	
Sulfate	mg/L	1.6	50	50	51.6	51.8	100	100	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2827600 2827601

Parameter	Units	2629765002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	9.6	50	50	61.1	61.3	103	103	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.3	2.4	91	95	90-110	4	10	
Sulfate	mg/L	195	50	50	240	240	89	90	90-110	0	10 M1	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 529972 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629786008

METHOD BLANK: 2830385 Matrix: Water
Associated Lab Samples: 2629786008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/13/20 08:37	
Fluoride	mg/L	ND	0.10	0.050	03/13/20 08:37	
Sulfate	mg/L	ND	1.0	0.50	03/13/20 08:37	

LABORATORY CONTROL SAMPLE: 2830386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.5	105	90-110	
Fluoride	mg/L	2.5	2.4	94	90-110	
Sulfate	mg/L	50	54.5	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2830387 2830388

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92468702015 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	45.5	50	50	50	95.4	95.2	100	99	90-110	0	10	
Fluoride	mg/L	1.5	2.5	2.5	2.5	3.5	3.6	82	87	90-110	4	10	M1
Sulfate	mg/L	1690	50	50	50	1760	1780	126	179	90-110	2	10	M6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2830389 2830390

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629733011 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	5.1	50	50	50	56.2	55.3	102	100	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	1.5	1.6	60	62	90-110	4	10	M1
Sulfate	mg/L	199	50	50	50	246	244	94	90	90-110	1	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 529973 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629786009, 2629786010, 2629786011, 2629786012, 2629786013, 2629786014, 2629786015, 2629786016, 2629786017, 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024, 2629786025, 2629786026, 2629786027, 2629786028

METHOD BLANK: 2830391 Matrix: Water
Associated Lab Samples: 2629786009, 2629786010, 2629786011, 2629786012, 2629786013, 2629786014, 2629786015, 2629786016, 2629786017, 2629786018, 2629786019, 2629786020, 2629786021, 2629786022, 2629786023, 2629786024, 2629786025, 2629786026, 2629786027, 2629786028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/12/20 17:17	
Fluoride	mg/L	ND	0.10	0.050	03/12/20 17:17	
Sulfate	mg/L	ND	1.0	0.50	03/12/20 17:17	

LABORATORY CONTROL SAMPLE: 2830392

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.9	102	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2830393 2830394

Parameter	Units	2629786009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Chloride	mg/L	2.4	50	50	53.9	54.4	103	104	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.2	2.3	88	91	90-110	3	10	M1
Sulfate	mg/L	7.9	50	50	58.5	59.0	101	102	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2830395 2830396

Parameter	Units	2629786019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Chloride	mg/L	4.5	50	50	56.6	57.0	104	105	90-110	1	10	
Fluoride	mg/L	0.086J	2.5	2.5	2.5	2.6	97	99	90-110	2	10	
Sulfate	mg/L	69.4	50	50	110	110	81	82	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 529981 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629786029, 2629786030, 2629786031, 2629786032

METHOD BLANK: 2830409 Matrix: Water
Associated Lab Samples: 2629786029, 2629786030, 2629786031, 2629786032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/13/20 21:10	
Fluoride	mg/L	ND	0.10	0.050	03/13/20 21:10	
Sulfate	mg/L	ND	1.0	0.50	03/13/20 21:10	

LABORATORY CONTROL SAMPLE: 2830410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.6	103	90-110	
Fluoride	mg/L	2.5	2.7	110	90-110	
Sulfate	mg/L	50	52.5	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2830411 2830412

Parameter	Units	2629786029		2830412		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Result	MSD Spike Conc.						
Chloride	mg/L	ND	50	50	49.9	100	100	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.9	116	106	90-110	9	10 M1	
Sulfate	mg/L	0.55J	50	50	51.0	101	100	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2830413 2830414

Parameter	Units	92468666022		2830414		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Result	MSD Spike Conc.						
Chloride	mg/L	8.9	50	50	60.3	103	103	90-110	0	10	
Fluoride	mg/L	0.26	2.5	2.5	2.9	105	108	90-110	3	10	
Sulfate	mg/L	178	50	50	225	94	92	90-110	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF
Pace Project No.: 2629786

QC Batch: 530205 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629786033

METHOD BLANK: 2831543 Matrix: Water
Associated Lab Samples: 2629786033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/13/20 03:02	
Fluoride	mg/L	ND	0.10	0.050	03/13/20 03:02	
Sulfate	mg/L	ND	1.0	0.50	03/13/20 03:02	

LABORATORY CONTROL SAMPLE: 2831545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2831546 2831547

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		92466735001 Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Chloride	mg/L	8.6	50	50	60.6	58.6	104	100	90-110	3	10		
Fluoride	mg/L	ND	2.5	2.5	2.7	2.6	106	101	90-110	5	10		
Sulfate	mg/L	27.1	50	50	79.0	76.6	104	99	90-110	3	10		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: PLANT BOWEN LF

Pace Project No.: 2629786

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-GA Pace Analytical Services - Atlanta, GA

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2629786001	GWA-51RZ				
2629786002	GWA-54				
2629786003	GWA-55				
2629786004	GWC-21R				
2629786005	GWC-22R				
2629786006	GWC-24R				
2629786007	GWC-25R				
2629786008	GWA-36				
2629786009	GWA-36R				
2629786010	GWA-37				
2629786011	GWA-38				
2629786012	GWA-52				
2629786016	GWA-53				
2629786017	GWA-53R				
2629786018	GWA-55R				
2629786019	GWA-56				
2629786020	GWC-16R				
2629786021	GWC-19R				
2629786025	GWC-17R				
2629786026	GWC-18R				
2629786027	GWC-20R				
2629786028	GWC-23R				
2629786032	GWC-18				
2629786033	SPRING				
2629786001	GWA-51RZ	EPA 3010A	44426	EPA 6010D	44442
2629786002	GWA-54	EPA 3010A	44426	EPA 6010D	44442
2629786003	GWA-55	EPA 3010A	44426	EPA 6010D	44442
2629786004	GWC-21R	EPA 3010A	44426	EPA 6010D	44442
2629786005	GWC-22R	EPA 3010A	44426	EPA 6010D	44442
2629786006	GWC-24R	EPA 3010A	44426	EPA 6010D	44442
2629786007	GWC-25R	EPA 3010A	44426	EPA 6010D	44442
2629786008	GWA-36	EPA 3010A	44482	EPA 6010D	44490
2629786009	GWA-36R	EPA 3010A	44482	EPA 6010D	44490
2629786010	GWA-37	EPA 3010A	44482	EPA 6010D	44490
2629786011	GWA-38	EPA 3010A	44482	EPA 6010D	44490
2629786012	GWA-52	EPA 3010A	44482	EPA 6010D	44490
2629786013	FBL030220	EPA 3010A	44482	EPA 6010D	44490
2629786014	EQBL030220	EPA 3010A	44483	EPA 6010D	44491
2629786015	DUP-1	EPA 3010A	44483	EPA 6010D	44491
2629786016	GWA-53	EPA 3010A	44483	EPA 6010D	44491
2629786017	GWA-53R	EPA 3010A	44483	EPA 6010D	44491
2629786018	GWA-55R	EPA 3010A	44483	EPA 6010D	44491
2629786019	GWA-56	EPA 3010A	44483	EPA 6010D	44491
2629786020	GWC-16R	EPA 3010A	44483	EPA 6010D	44491
2629786021	GWC-19R	EPA 3010A	44483	EPA 6010D	44491
2629786022	FBL030420	EPA 3010A	44483	EPA 6010D	44491
2629786023	EQBL030420	EPA 3010A	44483	EPA 6010D	44491

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2629786024	DUP-2	EPA 3010A	44483	EPA 6010D	44491
2629786025	GWC-17R	EPA 3010A	44483	EPA 6010D	44491
2629786026	GWC-18R	EPA 3010A	44483	EPA 6010D	44491
2629786027	GWC-20R	EPA 3010A	44483	EPA 6010D	44491
2629786028	GWC-23R	EPA 3010A	44483	EPA 6010D	44491
2629786029	FBL030520	EPA 3010A	44483	EPA 6010D	44491
2629786030	EQBL030520	EPA 3010A	44483	EPA 6010D	44491
2629786031	DUP-3	EPA 3010A	44483	EPA 6010D	44491
2629786032	GWC-18	EPA 3010A	44483	EPA 6010D	44491
2629786033	SPRING	EPA 3010A	44483	EPA 6010D	44491
2629786001	GWA-51RZ	EPA 3005A	44440	EPA 6020B	44463
2629786002	GWA-54	EPA 3005A	44440	EPA 6020B	44463
2629786003	GWA-55	EPA 3005A	44440	EPA 6020B	44463
2629786004	GWC-21R	EPA 3005A	44440	EPA 6020B	44463
2629786005	GWC-22R	EPA 3005A	44440	EPA 6020B	44463
2629786006	GWC-24R	EPA 3005A	44440	EPA 6020B	44463
2629786007	GWC-25R	EPA 3005A	44440	EPA 6020B	44463
2629786008	GWA-36	EPA 3005A	44487	EPA 6020B	44511
2629786009	GWA-36R	EPA 3005A	44487	EPA 6020B	44511
2629786010	GWA-37	EPA 3005A	44487	EPA 6020B	44511
2629786011	GWA-38	EPA 3005A	44487	EPA 6020B	44511
2629786012	GWA-52	EPA 3005A	44487	EPA 6020B	44511
2629786013	FBL030220	EPA 3005A	44487	EPA 6020B	44511
2629786014	EQBL030220	EPA 3005A	44487	EPA 6020B	44511
2629786015	DUP-1	EPA 3005A	44555	EPA 6020B	44562
2629786016	GWA-53	EPA 3005A	44555	EPA 6020B	44562
2629786017	GWA-53R	EPA 3005A	44555	EPA 6020B	44562
2629786018	GWA-55R	EPA 3005A	44555	EPA 6020B	44562
2629786019	GWA-56	EPA 3005A	44555	EPA 6020B	44562
2629786020	GWC-16R	EPA 3005A	44555	EPA 6020B	44562
2629786021	GWC-19R	EPA 3005A	44555	EPA 6020B	44562
2629786022	FBL030420	EPA 3005A	44555	EPA 6020B	44562
2629786023	EQBL030420	EPA 3005A	44555	EPA 6020B	44562
2629786024	DUP-2	EPA 3005A	44555	EPA 6020B	44562
2629786025	GWC-17R	EPA 3005A	44555	EPA 6020B	44562
2629786026	GWC-18R	EPA 3005A	44555	EPA 6020B	44562
2629786027	GWC-20R	EPA 3005A	44555	EPA 6020B	44562
2629786028	GWC-23R	EPA 3005A	44555	EPA 6020B	44562
2629786029	FBL030520	EPA 3005A	44555	EPA 6020B	44562
2629786030	EQBL030520	EPA 3005A	44555	EPA 6020B	44562
2629786031	DUP-3	EPA 3005A	44555	EPA 6020B	44562
2629786032	GWC-18	EPA 3005A	44555	EPA 6020B	44562
2629786033	SPRING	EPA 3005A	44555	EPA 6020B	44562
2629786001	GWA-51RZ	EPA 7470A	44367	EPA 7470A	44420
2629786002	GWA-54	EPA 7470A	44367	EPA 7470A	44420
2629786003	GWA-55	EPA 7470A	44367	EPA 7470A	44420
2629786004	GWC-21R	EPA 7470A	44367	EPA 7470A	44420

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2629786005	GWC-22R	EPA 7470A	44367	EPA 7470A	44420
2629786006	GWC-24R	EPA 7470A	44367	EPA 7470A	44420
2629786007	GWC-25R	EPA 7470A	44367	EPA 7470A	44420
2629786008	GWA-36	EPA 7470A	44416	EPA 7470A	44475
2629786009	GWA-36R	EPA 7470A	44416	EPA 7470A	44475
2629786010	GWA-37	EPA 7470A	44416	EPA 7470A	44475
2629786011	GWA-38	EPA 7470A	44416	EPA 7470A	44475
2629786012	GWA-52	EPA 7470A	44416	EPA 7470A	44475
2629786013	FBL030220	EPA 7470A	44416	EPA 7470A	44475
2629786014	EQBL030220	EPA 7470A	44416	EPA 7470A	44475
2629786015	DUP-1	EPA 7470A	44416	EPA 7470A	44475
2629786016	GWA-53	EPA 7470A	44416	EPA 7470A	44475
2629786017	GWA-53R	EPA 7470A	44416	EPA 7470A	44475
2629786018	GWA-55R	EPA 7470A	44417	EPA 7470A	44476
2629786019	GWA-56	EPA 7470A	44417	EPA 7470A	44476
2629786020	GWC-16R	EPA 7470A	44417	EPA 7470A	44476
2629786021	GWC-19R	EPA 7470A	44417	EPA 7470A	44476
2629786022	FBL030420	EPA 7470A	44417	EPA 7470A	44476
2629786023	EQBL030420	EPA 7470A	44417	EPA 7470A	44476
2629786024	DUP-2	EPA 7470A	44417	EPA 7470A	44476
2629786025	GWC-17R	EPA 7470A	44417	EPA 7470A	44476
2629786026	GWC-18R	EPA 7470A	44417	EPA 7470A	44476
2629786027	GWC-20R	EPA 7470A	44417	EPA 7470A	44476
2629786028	GWC-23R	EPA 7470A	44498	EPA 7470A	44524
2629786029	FBL030520	EPA 7470A	44498	EPA 7470A	44524
2629786030	EQBL030520	EPA 7470A	44498	EPA 7470A	44524
2629786031	DUP-3	EPA 7470A	44498	EPA 7470A	44524
2629786032	GWC-18	EPA 7470A	44498	EPA 7470A	44524
2629786033	SPRING	EPA 7470A	44498	EPA 7470A	44524
2629786001	GWA-51RZ	SM 2540C	44404		
2629786002	GWA-54	SM 2540C	44404		
2629786003	GWA-55	SM 2540C	44404		
2629786004	GWC-21R	SM 2540C	44404		
2629786005	GWC-22R	SM 2540C	44404		
2629786006	GWC-24R	SM 2540C	44404		
2629786007	GWC-25R	SM 2540C	44404		
2629786008	GWA-36	SM 2540C	44391		
2629786009	GWA-36R	SM 2540C	44391		
2629786010	GWA-37	SM 2540C	44391		
2629786011	GWA-38	SM 2540C	44391		
2629786012	GWA-52	SM 2540C	44391		
2629786013	FBL030220	SM 2540C	44391		
2629786014	EQBL030220	SM 2540C	44391		
2629786015	DUP-1	SM 2540C	44391		
2629786016	GWA-53	SM 2540C	44470		
2629786017	GWA-53R	SM 2540C	44470		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF

Pace Project No.: 2629786

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2629786018	GWA-55R	SM 2540C	44470		
2629786019	GWA-56	SM 2540C	44470		
2629786020	GWC-16R	SM 2540C	44470		
2629786021	GWC-19R	SM 2540C	44470		
2629786022	FBL030420	SM 2540C	44470		
2629786023	EQBL030420	SM 2540C	44470		
2629786024	DUP-2	SM 2540C	44470		
2629786025	GWC-17R	SM 2540C	44505		
2629786026	GWC-18R	SM 2540C	44505		
2629786027	GWC-20R	SM 2540C	44505		
2629786028	GWC-23R	SM 2540C	44505		
2629786029	FBL030520	SM 2540C	44505		
2629786030	EQBL030520	SM 2540C	44505		
2629786031	DUP-3	SM 2540C	44505		
2629786032	GWC-18	SM 2540C	44563		
2629786033	SPRING	SM 2540C	44563		
2629786001	GWA-51RZ	EPA 300.0 Rev 2.1 1993	529390		
2629786002	GWA-54	EPA 300.0 Rev 2.1 1993	529390		
2629786003	GWA-55	EPA 300.0 Rev 2.1 1993	529390		
2629786004	GWC-21R	EPA 300.0 Rev 2.1 1993	529390		
2629786005	GWC-22R	EPA 300.0 Rev 2.1 1993	529390		
2629786006	GWC-24R	EPA 300.0 Rev 2.1 1993	529390		
2629786007	GWC-25R	EPA 300.0 Rev 2.1 1993	529391		
2629786008	GWA-36	EPA 300.0 Rev 2.1 1993	529972		
2629786009	GWA-36R	EPA 300.0 Rev 2.1 1993	529973		
2629786010	GWA-37	EPA 300.0 Rev 2.1 1993	529973		
2629786011	GWA-38	EPA 300.0 Rev 2.1 1993	529973		
2629786012	GWA-52	EPA 300.0 Rev 2.1 1993	529973		
2629786013	FBL030220	EPA 300.0 Rev 2.1 1993	529973		
2629786014	EQBL030220	EPA 300.0 Rev 2.1 1993	529973		
2629786015	DUP-1	EPA 300.0 Rev 2.1 1993	529973		
2629786016	GWA-53	EPA 300.0 Rev 2.1 1993	529973		
2629786017	GWA-53R	EPA 300.0 Rev 2.1 1993	529973		
2629786018	GWA-55R	EPA 300.0 Rev 2.1 1993	529973		
2629786019	GWA-56	EPA 300.0 Rev 2.1 1993	529973		
2629786020	GWC-16R	EPA 300.0 Rev 2.1 1993	529973		
2629786021	GWC-19R	EPA 300.0 Rev 2.1 1993	529973		
2629786022	FBL030420	EPA 300.0 Rev 2.1 1993	529973		
2629786023	EQBL030420	EPA 300.0 Rev 2.1 1993	529973		
2629786024	DUP-2	EPA 300.0 Rev 2.1 1993	529973		
2629786025	GWC-17R	EPA 300.0 Rev 2.1 1993	529973		
2629786026	GWC-18R	EPA 300.0 Rev 2.1 1993	529973		
2629786027	GWC-20R	EPA 300.0 Rev 2.1 1993	529973		
2629786028	GWC-23R	EPA 300.0 Rev 2.1 1993	529973		
2629786029	FBL030520	EPA 300.0 Rev 2.1 1993	529981		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF
Pace Project No.: 2629786

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2629786030	EQBL030520	EPA 300.0 Rev 2.1 1993	529981		
2629786031	DUP-3	EPA 300.0 Rev 2.1 1993	529981		
2629786032	GWC-18	EPA 300.0 Rev 2.1 1993	529981		
2629786033	SPRING	EPA 300.0 Rev 2.1 1993	530205		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Client Name: GA Power

Project #

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used 230 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 2.0 Biological Tissue is Frozen: Yes No Date and initials of person examining contents: 3/4/2004

Temp should be above freezing to 6°C Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:			
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

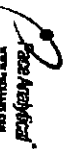
Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Client Information:
 Client: Georgia Power
 Address: 1003 Weatherstone Parkway
 Marietta, GA 30068
 Contact: Kevin Stephenson @ paceanalytical.com
 Phone: (770) 424-9415 Fax: _____

Section B

Required Project Information:
 Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Project Name: Plant Bowen
 Purchase Order #: Cells 324
 Project #:

Section C

Invoice Information:
 Attention: _____
 Company Name: _____
 Address: _____
 P.O. Box: _____
 P.O. Profile #: 2928
 Project Manager: kevin.stephenson@paceanalytical.com

Page: 4 of 4

SAMPLE ID	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Residual Chlorine (Y/N)		
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	
GWC-16R	WT																
GWC-17R	WT																
GWC-18	WT																
GWC-18R	WT																
GWC-19R	WT																
GWC-20R	WT																
GWC-21R	WT																
GWC-22R	WT																
GWC-23R	WT																
GWC-24R	WT																
GWC-25R	WT																
Spillo	WT																

ADDITIONAL COMMENTS	REMOVED BY / DATE	DATE	TIME	INITIALS	DATE	TIME	INITIALS
		3/3	5:00	Will Laker / Rhonda	3/3	5:08	
		3/4	9:30	Cindy Mardio / Rhonda	3/4	9:30	

TEMP In C	Received on	Custody Sealed	Cooler	Samples Intact
	(Y/N)	(Y/N)	(Y/N)	(Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Booth
 SIGNATURE of SAMPLER: *Joe Booth*
 DATE Signed: 3/3/20



Chain of Custody / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A: Client Information
 Client Name: Georgia Power
 Address: 1003 Westborough Parkway
 Atlanta, GA 30108
 Contact: (478) 548-9415 Fax: [Redacted]
 Email: [Redacted]
 Project Name: Plant Bowen

Section B: Requested Project Information
 Report To: Kevin Stephenson
 Copy To: Khande Gulim
 Purchase Order #: [Redacted]
 Project Name: Plant Bowen
 Project #: [Redacted]

Section C: Invoicing Information
 Advertiser: [Redacted]
 Company Name: [Redacted]
 Address: [Redacted]
 P.O. Box: [Redacted]
 P.O. Project Manager: Kevin Stephenson
 P.O. Profile #: 2828

SAMPLE ID
 One Character per box (A-Z, 0-9, -, /, .)
 Sample file must be unique

MATRIX CODES (See valid codes to left)
 DORNEY WABCO DWT
 WABCO WTB
 WABCO WTT
 WABCO WTC
 WABCO WTD
 WABCO WTE
 WABCO WTF
 WABCO WTA
 WABCO WTB
 WABCO WTC

MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION			PRESERVATIVES							METALS DETECTION			RESIDUAL CHLORINE (Y/N)					
		START DATE	START TIME	END DATE	END TIME	# OF CONTAINERS			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O8	Methanol	Other	Metals 60207470	Cl, F, SO4	TDS	PH	Temp	Temp		
GWA-36	WT	3/1/20	1126			3	2	1											X	X	X			
GWA-38	WT	3/1/20	1457			3	2	1											X	X	X			
GWA-42	WT	3/2/20	1631			3	2	1											X	X	X			
GWA-52	WT																							
GWA-53R	WT																							
GWA-54	WT																							
GWA-55	WT																							
GWA-58R	WT																							
GWA-56	WT																							

CLIENT NAME	CLIENT ADDRESS	CLIENT CITY	CLIENT STATE	CLIENT ZIP	CLIENT PHONE	CLIENT FAX	CLIENT EMAIL	CLIENT PROJECT NAME	CLIENT PROJECT #	CLIENT PROJECT MANAGER	CLIENT PROJECT ADDRESS	CLIENT PROJECT CITY	CLIENT PROJECT STATE	CLIENT PROJECT ZIP	CLIENT PROJECT PHONE	CLIENT PROJECT FAX	CLIENT PROJECT EMAIL	CLIENT PROJECT MANAGER ADDRESS	CLIENT PROJECT CITY	CLIENT PROJECT STATE	CLIENT PROJECT ZIP	CLIENT PROJECT PHONE	CLIENT PROJECT FAX	CLIENT PROJECT EMAIL	
Georgia Power	1003 Westborough Parkway	Atlanta	GA	30108	(478) 548-9415		[Redacted]	Plant Bowen	[Redacted]	Kevin Stephenson	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Section A: Client Information		Section B: Requested Project Information		Section C: Invoicing Information	
Client Name:	Georgia Power	Report To:	Kevin Stephenson	Advertiser:	[Redacted]
Address:	1003 Westborough Parkway Atlanta, GA 30108	Copy To:	Khande Gulim	Company Name:	[Redacted]
Contact:	(478) 548-9415 Fax: [Redacted] Email: [Redacted]	Purchase Order #:	[Redacted]	Address:	[Redacted]
Project Name:	Plant Bowen	Project Name:	Plant Bowen	P.O. Box:	[Redacted]
Project #:	[Redacted]	Project #:	[Redacted]	P.O. Project Manager:	Kevin Stephenson
		P.O. Profile #:	2828	P.O. Project Address:	[Redacted]



CHAIN-OF-CUSTODY / Analytical Request Document
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Section B Required Project Information:

Client: Georgia Power
 Address: 1008 Westchicken Parkway
 Atlanta, GA 30318
 Contact: (770) 544-3415 Fax: _____

Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Cell: 364
 Purchase Order #: _____
 Project Name: Plant Bowen
 Project #: _____

Section C Invoice Information:

Attention: _____
 Company Name: _____
 Address: _____
 POC Name: Kevin Hattis@ge.com
 POC Phone #: 328

METHOD	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES								Residual Chlorine (Y/N)											
				START DATE	END DATE		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other												
GW-C-17R	WB																									
GW-C-49R	WB																									
GW-C-49Z	WB																									
FBL030220	1728			3/22/20		3	2																			
E0BLO30220	1731			3/21/20		3	2																			
DUP-1	3/21/20					3	2																			

Section A Required Information:

Client: Georgia Power
 Address: 1008 Westchicken Parkway
 Atlanta, GA 30318
 Contact: (770) 544-3415 Fax: _____

Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Cell: 364
 Purchase Order #: _____
 Project Name: Plant Bowen
 Project #: _____

Section C Invoice Information:

Attention: _____
 Company Name: _____
 Address: _____
 POC Name: Kevin Hattis@ge.com
 POC Phone #: 328

PRINT NAME OF SAMPLER: Joe Booth
 SIGNATURE OF SAMPLER: *Joe Booth*
 DATE SIGNED: 3/2/20

PRINT NAME OF ANALYST: Will Laker
 SIGNATURE OF ANALYST: *Will Laker*
 DATE SIGNED: 3/2/20



Section A

Client Information:

Client: Georgia Power
 Address: 1003 Weatherstone Parkway
 Roswell, GA 30078
 Phone: (678)548-5415
 Fax: (678)548-5415
 Email: kevin.stephenson@greaseoilab.com
 Project Name: Plant Bowen

Section B
 Requested Project Information:

Request To: Kevin Stephenson
 Copy To: *Kevin Stephenson*
 Purchase Order #: *0115 384*
 Project Name: Plant Bowen

Section C
 Invoicing Information:

Requester: *Kevin Stephenson*
 Company Name:
 Address:
 PO Box:
 PO Box Project Manager: *Kevin.Harrington@ge.com*
 PO Box Profile #: 2828

CHAIN-OF-CUSTODY / Analytical Request Document

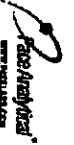
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

SAMPLE ID	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							Metals 6020/7470	Cl, F, SO4	TDS	Residual Chlorine (Y/N)	
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other
GWA-35																		
GWA-36																		
GWA-37																		
GWA-38																		
GWA-31R2																		
GWA-52																		
GWA-53																		
GWA-53R																		
GWA-54																		
GWA-55																		
GWA-55R																		
GWA-56																		

Veronica Fay Preserve
Veronica Fay Preserve
Veronica Fay Preserve
 3/4 5:00
 3/6 11:25
 3/6 13:00
 3/6 13:00
 3/4 5:00
 3/6 11:25
 3/6 13:00

PLANT Name of SAMPLER: *Veronica Fay*
 SIGNATURE OF SAMPLER: *Veronica Fay*
 DATE Signed: 3/4/20

TEMP In C
 Received on Ice (Y/N)
 Custody Sealed (Y/N)
 Samples Intact (Y/N)



Phase Analytics
www.phaseanalytics.com

Section A
Initial Client Information

Company: Georgia Power
Address: 1003 Weatherstone Parkway
City: Marietta, GA 30148
Phone: (678) 568-9415 Fax:
Email: kevin.abrahamson@phaseanalytics.com
Project Name: Plant Bowen
Project No.:

Section B
Required Project Information:

Report To: Kevin Abrahamson
Copy To: *Kevin Abrahamson*
Purchase Order #: *CE 115 304*
Project Name: Plant Bowen
Project No.:

Section C
Analysis Information:

Method: *GC 115 304*
Company Name:
Address:
Phone Number:
Fax Number:
Project Manager: Kevin Abrahamson
Phase Profile #: 2928

ITEM #	ANALYSIS CODE	SAMPLE TYPE	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES	ANALYSIS	REMARKS
			START DATE	START TIME	END DATE	END TIME					
17	GWC-18R	WT	3/4/20	16:10			3	2	1		
18	GWC-17R	WT									
19	GWC-18	WT									
20	GWC-18R	WT									
21	GWC-19R	WT	3/4/20	16:22			3	2	1		
22	GWC-20R	WT									
23	GWC-21R	WT									
24	GWC-22R	WT									
25	GWC-23R	WT									
26	GWC-24R	WT									
27	GWC-25R	WT									
28	GWC-25R	WT									

ANALYSIS	RESIDUAL CHLORINE (Y/N)
Metals 6020/7470	X
Cl, F, SO4	X
TDS	X

RECEIVED ON	TEMP IN C	SEALS	CUSTODY	COOLER	SAMPLES
3/4	5:00	X	X	X	X
3/6	11:25	X	X	X	X
3/6	13:46	X	X	X	X

Page: 4 of 4

CHAIN-OF-CUSTODY / Analytical Request Document
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PRINT Name of SAMPLER: *Dee Deeth, Will Locker, Veronica Fay*
SIGNATURE OF SAMPLER: *[Signature]*
DATE Signed: *3/4/20*



CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Form A

Section B

Original Client Information:
 Analytical: Georgia Power
 Location: 1003 Waterstone Parkway
 Address: Roswell, GA 30118
 E-Mail: kendra.stephenson@faceanalytical.com
 Phone: (678)548-9415 Fax: _____
 Project Name: Plant Bowen
 Project #:

Registered Project Information:
 Report To: Kevin Stephenson
 Copy To: Kendra Quinn
 Purchase Order #: CRS 3 & 4

Section C

Invoice Information:
 Attention: _____
 Company Name: _____
 Address: _____
 Project Manager: _____
 Project Profile #: 2926
 Kevin.Bentley@faceanalytical.com

Page: 6 Of 6

SAMPLE ID	METHOD	CODED	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES						Metals 6020/7470	Cl, F, SO4	TDS	Residual Chlorine (Y/N)	Notes
			START DATE	START TIME	END DATE			END TIME	Unpreserved	H2SO4	HNO3	HCl	NaOH					
GWC-47	DRAKING WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO WESKO	DME WFO WFO WFO WFO WFO WFO WFO WFO WFO																
GWC-47R																		
GWC-48																		
GWC-48R																		
GWC-492																		
F8L030420			3/4/20	11:37			3	2	1									022
F8L030420			3/4/20	14:49			3	2	1									023
DUP-2			3/4/20				3	2	1									024
Neonics Bay	Resolute		3/4	5:00														
Verona Site 1A/1B	Verona Site 1A/1B		3/6	1:00														

PRINT Name of SAMPLER: DeBoth, Will Laker, Veronica Fay
SIGNATURE OF SAMPLER:

DATE Signed: 3/4/20

TEMP in C:
Received on road (Y/N)
Custody Sealed (Y/N)
Cooler (Y/N)
Samples Intact (Y/N)



Section A
Client Information

Company: Georgia Power
 Address: 1003 Weatherstone Parkway
 Marietta, GA 30066
 Email: keth@weatherstone.com
 Phone: (770) 548-9415
 Fax: (770) 548-9415
 Project Name: Pined Bowen
 Project #:

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 OF 4

Section B
 Analytical Information
 Report To: Kevin Stephenson
 Copy To: KYOMIDA QUILTY
 Purchase Order #: CL 115 324
 Price Quote:
 Food Profile #: 2828

SAMPLE ID One Character per box. (A-Z, 0-9) .	MATRIX CODE (See valid codes to be used)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytical Tests											
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals 6020/7470	CL F. 804	TDS								
GWC-16R	WT		3/5/20	12:30		3																			
GWC-17R	WT		3/5/20	15:35		3																			
GWC-18R	WT		3/5/20	14:31		3																			
GWC-19R	WT																								
GWC-20R	WT																								
GWC-21R	WT																								
GWC-22R	WT																								
GWC-23R	WT		3/5/20	09:55		3	2																		
GWC-24R	WT																								
GWC-25R	WT																								

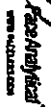
Sampler	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Veronica Fay Resolute																									
Cindy Manda																									
Veronica Fay																									

PRINT NAME OF SAMPLER: will latin Veronica Fay
 SIGNATURE OF SAMPLER: [Signature]
 DATE SIGNED: 3/5/20

TEMP IN C

Received on (Y/N)
 Custody Sealed (Y/N)
 Cooled (Y/N)
 Samples Intact (Y/N)

PH: 7.24
 PH: 7.60
 PH: 7.77
 PH: 7.30



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Client Information:
 Client Name: Georgia Power
 Address: 1003 Woodstone Parkway
 Atlanta, GA 30188
 Contact: Kevin Stuphenson
 Phone: (678) 948-9415
 Email: kevin.stuphenson@ge.com

Section B

Requested Project Information:
 Report To: Kevin Stuphenson
 Copy To: K. Maclia, G. W. W.
 Project Name: Plant Bowen
 Purchase Order #: 0215 324
 Project #:

Section C

Attention Information:
 Attention: Kevin Stuphenson
 Company Name: Georgia Power
 Address: 1003 Woodstone Parkway
 Atlanta, GA 30188
 Phone: (678) 948-9415
 Email: kevin.stuphenson@ge.com

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / . -)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	PRESERVATIVES							Residual Chlorine (Y/N)		
				START DATE	END DATE	UNPRESERVED	H2SO4		HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				
1		WT																
2		WT																
3		WT																
4		WT																
5		WT																
6		WT																
7		WT																
8		WT																
9		WT																
10		WT																
11		WT																
12		WT																
13		WT																
14		WT																
15		WT																
16		WT																
17		WT																
18		WT																
19		WT																
20		WT																
21		WT																
22		WT																

RECEIVED BY / DATE	ACCEPTED BY / DATE	DATE	TIME	TEMP IN C	RECEIVED ON	CUSTODY	SEALS	Cooler	SAMPLES
Veronica Fy / 3/5	Cynthia Maclia / 3/5	3/5	5:00		3/5	11:25			
Cindy Maclia / 3/6	Veronica Fy / 3/6	3/6	1:25		3/6	11:25			
Veronica Fy / 3/6	Veronica Fy / 3/6	3/6	1:40		3/6	1:34			

PRINT NAME AND SIGNATURE OF SAMPLER: Will Laiter
DATE SIGNED: 3/5/20

PRINT NAME AND SIGNATURE OF ANALYST: Veronica Fy
DATE SIGNED: 3/5/20

024
020
031



Section A		Section B		Section C	
Client Information:	Reported Project Information:	Investigative Information:		Administrative Information:	
Agency: Georgia Power Address: 1003 Wetherston Parkway Marietta, GA 30188 Contact: kathy.stephenson@gepower.com Phone: (678)548-9415 Fax:	Report To: Kevin Stephenson Copy To: [unclear] Address: [unclear] Purchase Order #: [unclear] Project Name: Plant Bowen Project #: [unclear]	Address: [unclear] Company Name: [unclear] Paco Project Manager: kathy.stephenson@gepower.com Paco Project #: 2928	Admitter: [unclear] Company Name: [unclear]	Date: 3/16/12 Time: 09:15 Location: [unclear]	Signature: [unclear] Date Signed: 3/16/12

SAMPLE ID
 One Character per box
 (A-Z, 0-9/.,-)
 Sample ID must be unique

Container	Matrix Code (see valid codes to left)	Sample Type (G=GRAB C=COMP)	COLLECTED				Sample Temp at Collection	# of Containers	Unpreserved	Preservatives							Metals 60207470	Cl, F, SO4	TDS	Residual Chlorine (Y/N)											
			START	END	DATE	TIME				DATE	TIME	H2SO4	HNO3	HCl	NaOH	Na2S2O3					Methanol	Other									
GWC-18R	WT								X							X	X	X													
GWC-17R	WT								X							X	X	X													
GWC-16	WT	3/16/2012	12:11						X							X	X	X													
GWC-18R	WT								X							X	X	X													
GWC-19R	WT								X							X	X	X													
GWC-20R	WT								X							X	X	X													
GWC-21R	WT								X							X	X	X													
GWC-22R	WT								X							X	X	X													
GWC-23R	WT								X							X	X	X													
GWC-24R	WT								X							X	X	X													
GWC-25R	WT								X							X	X	X													
Spilling	WT	3/16/12	09:15						X							X	X	X													

Vehicle: Es Power 3/16/12 17:30 [unclear] PROCE 3/16/12 17:30

PH: 7.01 032

PH: 7.16 033

Page: 4 of 4

Name of Sampler: [unclear] Signature of Sampler: [unclear]	Name of Analyst: [unclear] Signature of Analyst: [unclear]
Name of Receiver: [unclear] Signature of Receiver: [unclear]	Name of Shipper: [unclear] Signature of Shipper: [unclear]
Date Signed: 3/16/12	Date Signed: 3/16/12
Temp in C: [unclear]	Temp in C: [unclear]
Received on Ice? (Y/N) [unclear]	Received on Ice? (Y/N) [unclear]
Container Sealed? (Y/N) [unclear]	Container Sealed? (Y/N) [unclear]
Samples Intact? (Y/N) [unclear]	Samples Intact? (Y/N) [unclear]

March 30, 2020

Joju Abraham
Georgia Power - Coal Combustion Residuals
2480 Maner Road
Atlanta, GA 30339

RE: Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between March 06, 2020 and March 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Herring
kevin.herring@pacelabs.com
(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Michelle Barker, Wood E&I Solutions, Inc.
Kristen Jurinko
Lauren Petty, Southern Company Services, Inc.
Rhonda Quinn, Wood E&I Solutions, Inc. - Kennesaw
Greg Wrenn, Wood PLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Pace Analytical Services Atlanta

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

Massachusetts Certification #: M-NC030

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2629875001	GWA-41	Water	03/06/20 11:05	03/06/20 17:30
2629875002	GWA-42	Water	03/06/20 12:23	03/06/20 17:30
2629875003	FBL030620	Water	03/06/20 13:31	03/06/20 17:30
2629875004	EQBL030620	Water	03/06/20 13:35	03/06/20 17:30
2629875005	DUP-1	Water	03/06/20 00:00	03/06/20 17:30
2629875006	GWA-39RZ	Water	03/09/20 14:04	03/11/20 10:33
2629875007	GWA-39Z	Water	03/09/20 15:44	03/11/20 10:33
2629875008	GWA-40	Water	03/09/20 12:59	03/11/20 10:33
2629875009	GWA-41R	Water	03/09/20 10:59	03/11/20 10:33
2629875010	GWA-43	Water	03/09/20 14:14	03/11/20 10:33
2629875011	GWA-43R	Water	03/09/20 15:39	03/11/20 10:33
2629875012	GWC-47	Water	03/09/20 15:38	03/11/20 10:33
2629875013	GWC-47R	Water	03/09/20 16:31	03/11/20 10:33
2629875014	GWC-48	Water	03/09/20 14:23	03/11/20 10:33
2629875015	GWC-49Z	Water	03/09/20 10:22	03/11/20 10:33
2629875016	GWC-44	Water	03/10/20 14:49	03/11/20 10:33
2629875017	GWC-45	Water	03/10/20 14:05	03/11/20 10:33
2629875018	GWC-45R	Water	03/10/20 15:06	03/11/20 10:33
2629875019	GWC-46R	Water	03/10/20 13:41	03/11/20 10:33
2629875020	DUP-2	Water	03/10/20 00:00	03/11/20 10:33
2629875021	FBL031020	Water	03/10/20 16:02	03/11/20 10:33
2629875022	EQBL031020	Water	03/10/20 16:06	03/11/20 10:33
2629875023	GWC-49R	Water	03/11/20 15:48	03/14/20 09:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2629875001	GWA-41	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2629875002	GWA-42	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629875003	FBL030620	SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
2629875004	EQBL030620	EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
2629875005	DUP-1	EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2629875006	GWA-39RZ	EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629875007	GWA-39Z	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629875008	GWA-40	SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2629875009	GWA-41R	EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	KLH	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629875010	GWA-43	SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
2629875011	GWA-43R	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2629875012	GWC-47	EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
2629875013	GWC-47R	EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
2629875014	GWC-48	EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
2629875015	GWC-49Z	SM 2540C	NJ1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	NJ1	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2629875016	GWC-44	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2629875017	GWC-45	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2629875018	GWC-45R	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2629875019	GWC-46R	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2629875020	DUP-2	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2629875021	FBL031020	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2629875022	EQBL031020	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2629875023	GWC-49R	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	CSW	16	PASI-GA
		EPA 7470A	DRB	1	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629875001	GWA-41					
	Field pH	6.82	Std. Units		03/09/20 09:43	
EPA 6010D	Calcium	29.2	mg/L	1.0	03/16/20 18:52	M1
EPA 6020B	Barium	0.022	mg/L	0.010	03/16/20 20:43	
EPA 6020B	Boron	0.013J	mg/L	0.040	03/16/20 20:43	
EPA 6020B	Chromium	0.015	mg/L	0.010	03/16/20 20:43	
EPA 6020B	Copper	0.00093J	mg/L	0.025	03/16/20 20:43	
EPA 6020B	Lead	0.000091J	mg/L	0.0050	03/16/20 20:43	
EPA 6020B	Nickel	0.0089J	mg/L	0.010	03/16/20 20:43	
EPA 6020B	Zinc	0.0027J	mg/L	0.010	03/16/20 20:43	
SM 2540C	Total Dissolved Solids	137	mg/L	10.0	03/13/20 16:23	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	03/15/20 06:08	
EPA 300.0 Rev 2.1 1993	Sulfate	10.0	mg/L	1.0	03/15/20 06:08	
2629875002	GWA-42					
	Field pH	7.42	Std. Units		03/09/20 09:43	
EPA 6010D	Calcium	38.0	mg/L	1.0	03/16/20 19:13	
EPA 6020B	Barium	0.0066J	mg/L	0.010	03/17/20 16:15	
EPA 6020B	Beryllium	0.00017J	mg/L	0.0030	03/17/20 16:15	
EPA 6020B	Boron	0.0068J	mg/L	0.040	03/17/20 16:15	
EPA 6020B	Cadmium	0.00014J	mg/L	0.0025	03/17/20 16:15	
EPA 6020B	Chromium	0.00045J	mg/L	0.010	03/17/20 16:15	
EPA 6020B	Cobalt	0.00039J	mg/L	0.0050	03/17/20 16:15	
EPA 6020B	Copper	0.00019J	mg/L	0.025	03/17/20 16:15	
EPA 6020B	Lead	0.00011J	mg/L	0.0050	03/17/20 16:15	
EPA 6020B	Nickel	0.0015J	mg/L	0.010	03/17/20 16:15	
EPA 6020B	Thallium	0.000086J	mg/L	0.0010	03/17/20 16:15	
EPA 6020B	Zinc	0.012	mg/L	0.010	03/17/20 16:15	
SM 2540C	Total Dissolved Solids	143	mg/L	10.0	03/13/20 16:24	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	03/15/20 06:22	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	03/15/20 06:22	
2629875003	FBL030620					
EPA 6020B	Antimony	0.00082J	mg/L	0.0030	03/17/20 16:38	B
2629875004	EQBL030620					
EPA 6020B	Antimony	0.00032J	mg/L	0.0030	03/17/20 16:43	B
EPA 6020B	Chromium	0.0035J	mg/L	0.010	03/17/20 16:43	
EPA 6020B	Copper	0.00021J	mg/L	0.025	03/17/20 16:43	
EPA 6020B	Zinc	0.0037J	mg/L	0.010	03/17/20 16:43	
2629875005	DUP-1					
EPA 6010D	Calcium	36.8	mg/L	1.0	03/16/20 19:23	
EPA 6020B	Barium	0.0068J	mg/L	0.010	03/17/20 16:49	
EPA 6020B	Beryllium	0.00018J	mg/L	0.0030	03/17/20 16:49	
EPA 6020B	Boron	0.0053J	mg/L	0.040	03/17/20 16:49	
EPA 6020B	Cadmium	0.00013J	mg/L	0.0025	03/17/20 16:49	
EPA 6020B	Chromium	0.00089J	mg/L	0.010	03/17/20 16:49	
EPA 6020B	Cobalt	0.00034J	mg/L	0.0050	03/17/20 16:49	
EPA 6020B	Copper	0.00020J	mg/L	0.025	03/17/20 16:49	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629875005	DUP-1					
EPA 6020B	Lead	0.000098J	mg/L	0.0050	03/17/20 16:49	
EPA 6020B	Nickel	0.0013J	mg/L	0.010	03/17/20 16:49	
EPA 6020B	Zinc	0.011	mg/L	0.010	03/17/20 16:49	
SM 2540C	Total Dissolved Solids	147	mg/L	10.0	03/13/20 16:24	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	03/15/20 07:49	
EPA 300.0 Rev 2.1 1993	Sulfate	2.4	mg/L	1.0	03/15/20 07:49	
2629875006	GWA-39RZ					
	Field pH	7.68	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	35.6	mg/L	1.0	03/22/20 19:25	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	03/17/20 19:46	B
EPA 6020B	Arsenic	0.00083J	mg/L	0.0050	03/17/20 19:46	
EPA 6020B	Barium	0.017	mg/L	0.010	03/17/20 19:46	
EPA 6020B	Boron	0.0065J	mg/L	0.040	03/17/20 19:46	
EPA 6020B	Chromium	0.0016J	mg/L	0.010	03/17/20 19:46	
EPA 6020B	Copper	0.011J	mg/L	0.025	03/17/20 19:46	
EPA 6020B	Lead	0.00027J	mg/L	0.0050	03/17/20 19:46	
EPA 6020B	Nickel	0.00083J	mg/L	0.010	03/17/20 19:46	
EPA 6020B	Zinc	0.0090J	mg/L	0.010	03/17/20 19:46	
SM 2540C	Total Dissolved Solids	173	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	03/17/20 16:54	
EPA 300.0 Rev 2.1 1993	Sulfate	5.8	mg/L	1.0	03/17/20 16:54	
2629875007	GWA-39Z					
	Field pH	5.90	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	3.2	mg/L	1.0	03/22/20 19:28	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	03/17/20 19:52	B
EPA 6020B	Barium	0.0072J	mg/L	0.010	03/17/20 19:52	
EPA 6020B	Chromium	0.069	mg/L	0.010	03/17/20 19:52	
EPA 6020B	Cobalt	0.00075J	mg/L	0.0050	03/17/20 19:52	
EPA 6020B	Copper	0.00070J	mg/L	0.025	03/17/20 19:52	
EPA 6020B	Lead	0.000055J	mg/L	0.0050	03/17/20 19:52	
EPA 6020B	Nickel	0.040	mg/L	0.010	03/17/20 19:52	
EPA 6020B	Zinc	0.0035J	mg/L	0.010	03/17/20 19:52	
SM 2540C	Total Dissolved Solids	58.0	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	03/17/20 17:08	
EPA 300.0 Rev 2.1 1993	Sulfate	0.84J	mg/L	1.0	03/17/20 17:08	
2629875008	GWA-40					
	Field pH	7.50	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	29.4	mg/L	1.0	03/22/20 19:32	
EPA 6020B	Barium	0.0088J	mg/L	0.010	03/19/20 18:52	
EPA 6020B	Boron	0.0074J	mg/L	0.040	03/19/20 18:52	
EPA 6020B	Chromium	0.00090J	mg/L	0.010	03/19/20 18:52	B
EPA 6020B	Lead	0.000095J	mg/L	0.0050	03/19/20 18:52	
EPA 6020B	Thallium	0.000078J	mg/L	0.0010	03/19/20 18:52	
EPA 6020B	Zinc	0.0020J	mg/L	0.010	03/19/20 18:52	
SM 2540C	Total Dissolved Solids	131	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	03/17/20 17:22	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629875008	GWA-40					
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	03/17/20 17:22	
2629875009	GWA-41R					
	Field pH	6.70	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	25.5	mg/L	1.0	03/22/20 19:35	
EPA 6020B	Antimony	0.0037	mg/L	0.0030	03/19/20 19:15	
EPA 6020B	Barium	0.031	mg/L	0.010	03/19/20 19:15	
EPA 6020B	Boron	0.021J	mg/L	0.040	03/19/20 19:15	
EPA 6020B	Chromium	0.00040J	mg/L	0.010	03/19/20 19:15	B
EPA 6020B	Copper	0.0014J	mg/L	0.025	03/19/20 19:15	
EPA 6020B	Lead	0.000049J	mg/L	0.0050	03/19/20 19:15	
EPA 6020B	Nickel	0.00036J	mg/L	0.010	03/19/20 19:15	
EPA 6020B	Thallium	0.000061J	mg/L	0.0010	03/19/20 19:15	
EPA 6020B	Zinc	0.0024J	mg/L	0.010	03/19/20 19:15	
SM 2540C	Total Dissolved Solids	249	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	03/17/20 17:36	
EPA 300.0 Rev 2.1 1993	Sulfate	8.5	mg/L	1.0	03/17/20 17:36	
2629875010	GWA-43					
	Field pH	5.50	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	2.6	mg/L	1.0	03/24/20 16:49	
EPA 6020B	Antimony	0.00062J	mg/L	0.0030	03/19/20 19:20	
EPA 6020B	Barium	0.012	mg/L	0.010	03/19/20 19:20	
EPA 6020B	Chromium	0.0033J	mg/L	0.010	03/19/20 19:20	B
EPA 6020B	Cobalt	0.00039J	mg/L	0.0050	03/19/20 19:20	
EPA 6020B	Copper	0.00035J	mg/L	0.025	03/19/20 19:20	
EPA 6020B	Lead	0.000091J	mg/L	0.0050	03/19/20 19:20	
EPA 6020B	Nickel	0.00082J	mg/L	0.010	03/19/20 19:20	
EPA 6020B	Zinc	0.0020J	mg/L	0.010	03/19/20 19:20	
SM 2540C	Total Dissolved Solids	51.0	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	03/17/20 17:50	
2629875011	GWA-43R					
	Field pH	7.73	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	31.7	mg/L	1.0	03/24/20 17:03	
EPA 6020B	Antimony	0.00037J	mg/L	0.0030	03/19/20 19:26	
EPA 6020B	Barium	0.0069J	mg/L	0.010	03/19/20 19:26	
EPA 6020B	Boron	0.017J	mg/L	0.040	03/19/20 19:26	
EPA 6020B	Chromium	0.0014J	mg/L	0.010	03/19/20 19:26	B
EPA 6020B	Copper	0.00035J	mg/L	0.025	03/19/20 19:26	
EPA 6020B	Lead	0.000096J	mg/L	0.0050	03/19/20 19:26	
EPA 6020B	Vanadium	0.00074J	mg/L	0.010	03/19/20 19:26	
EPA 6020B	Zinc	0.0022J	mg/L	0.010	03/19/20 19:26	
SM 2540C	Total Dissolved Solids	174	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	03/17/20 18:04	
EPA 300.0 Rev 2.1 1993	Sulfate	3.9	mg/L	1.0	03/17/20 18:04	
2629875012	GWC-47					
	Field pH	7.19	Std. Units		03/24/20 15:16	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629875012	GWC-47					
EPA 6010D	Calcium	22.3	mg/L	1.0	03/24/20 17:06	
EPA 6020B	Antimony	0.00032J	mg/L	0.0030	03/19/20 19:32	
EPA 6020B	Barium	0.0089J	mg/L	0.010	03/19/20 19:32	
EPA 6020B	Cadmium	0.00015J	mg/L	0.0025	03/19/20 19:32	
EPA 6020B	Chromium	0.0012J	mg/L	0.010	03/19/20 19:32	B
EPA 6020B	Lead	0.000058J	mg/L	0.0050	03/19/20 19:32	
EPA 6020B	Zinc	0.044	mg/L	0.010	03/19/20 19:32	
SM 2540C	Total Dissolved Solids	147	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	03/17/20 18:46	
EPA 300.0 Rev 2.1 1993	Sulfate	4.3	mg/L	1.0	03/17/20 18:46	
2629875013	GWC-47R					
	Field pH	7.51	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	35.0	mg/L	1.0	03/24/20 17:10	
EPA 6020B	Antimony	0.00056J	mg/L	0.0030	03/19/20 19:49	
EPA 6020B	Arsenic	0.00051J	mg/L	0.0050	03/19/20 19:49	
EPA 6020B	Barium	0.0082J	mg/L	0.010	03/19/20 19:49	
EPA 6020B	Boron	0.0051J	mg/L	0.040	03/19/20 19:49	
EPA 6020B	Chromium	0.0023J	mg/L	0.010	03/19/20 19:49	B
EPA 6020B	Copper	0.00032J	mg/L	0.025	03/19/20 19:49	
EPA 6020B	Lead	0.000080J	mg/L	0.0050	03/19/20 19:49	
EPA 6020B	Thallium	0.00021J	mg/L	0.0010	03/19/20 19:49	
EPA 6020B	Vanadium	0.00075J	mg/L	0.010	03/19/20 19:49	
EPA 6020B	Zinc	0.032	mg/L	0.010	03/19/20 19:49	
SM 2540C	Total Dissolved Solids	44.0	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	03/17/20 19:56	
EPA 300.0 Rev 2.1 1993	Sulfate	10.4	mg/L	1.0	03/17/20 19:56	
2629875014	GWC-48					
	Field pH	5.18	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	4.5	mg/L	1.0	03/24/20 17:13	
EPA 6020B	Barium	0.029	mg/L	0.010	03/19/20 19:55	
EPA 6020B	Beryllium	0.00028J	mg/L	0.0030	03/19/20 19:55	
EPA 6020B	Cadmium	0.00016J	mg/L	0.0025	03/19/20 19:55	
EPA 6020B	Chromium	0.0023J	mg/L	0.010	03/19/20 19:55	B
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	03/19/20 19:55	
EPA 6020B	Copper	0.00035J	mg/L	0.025	03/19/20 19:55	
EPA 6020B	Nickel	0.0039J	mg/L	0.010	03/19/20 19:55	
EPA 6020B	Thallium	0.000090J	mg/L	0.0010	03/19/20 19:55	
EPA 6020B	Zinc	0.0079J	mg/L	0.010	03/19/20 19:55	
SM 2540C	Total Dissolved Solids	100	mg/L	10.0	03/16/20 18:15	
EPA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	03/17/20 20:10	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	03/17/20 20:10	
2629875015	GWC-49Z					
	Field pH	5.60	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	0.87J	mg/L	1.0	03/24/20 17:24	
EPA 6020B	Antimony	0.0018J	mg/L	0.0030	03/19/20 20:00	
EPA 6020B	Barium	0.0045J	mg/L	0.010	03/19/20 20:00	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629875015	GWC-49Z					
EPA 6020B	Boron	0.0055J	mg/L	0.040	03/19/20 20:00	
EPA 6020B	Chromium	0.00096J	mg/L	0.010	03/19/20 20:00	B
EPA 6020B	Cobalt	0.0028J	mg/L	0.0050	03/19/20 20:00	
EPA 6020B	Copper	0.00035J	mg/L	0.025	03/19/20 20:00	
EPA 6020B	Lead	0.00017J	mg/L	0.0050	03/19/20 20:00	
EPA 6020B	Nickel	0.0030J	mg/L	0.010	03/19/20 20:00	
EPA 6020B	Zinc	0.0047J	mg/L	0.010	03/19/20 20:00	
SM 2540C	Total Dissolved Solids	51.0	mg/L	10.0	03/16/20 18:16	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	03/17/20 20:24	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	03/17/20 20:24	
2629875016	GWC-44					
	Field pH	4.44	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	16.9	mg/L	1.0	03/24/20 17:27	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	03/19/20 20:06	
EPA 6020B	Barium	0.059	mg/L	0.010	03/19/20 20:06	
EPA 6020B	Beryllium	0.000074J	mg/L	0.0030	03/19/20 20:06	
EPA 6020B	Boron	0.019J	mg/L	0.040	03/19/20 20:06	
EPA 6020B	Chromium	0.00074J	mg/L	0.010	03/19/20 20:06	B
EPA 6020B	Cobalt	0.0021J	mg/L	0.0050	03/19/20 20:06	
EPA 6020B	Copper	0.00067J	mg/L	0.025	03/19/20 20:06	
EPA 6020B	Lead	0.00066J	mg/L	0.0050	03/19/20 20:06	
EPA 6020B	Nickel	0.00086J	mg/L	0.010	03/19/20 20:06	
EPA 6020B	Selenium	0.0063J	mg/L	0.010	03/19/20 20:06	
EPA 6020B	Zinc	0.0049J	mg/L	0.010	03/19/20 20:06	
SM 2540C	Total Dissolved Solids	127	mg/L	10.0	03/17/20 14:13	
EPA 300.0 Rev 2.1 1993	Chloride	5.9	mg/L	1.0	03/17/20 20:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13J	mg/L	0.30	03/17/20 20:38	
EPA 300.0 Rev 2.1 1993	Sulfate	48.5	mg/L	1.0	03/17/20 20:38	
2629875017	GWC-45					
	Field pH	4.98	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	0.89J	mg/L	1.0	03/24/20 17:31	
EPA 6020B	Antimony	0.00087J	mg/L	0.0030	03/19/20 20:12	
EPA 6020B	Barium	0.0061J	mg/L	0.010	03/19/20 20:12	
EPA 6020B	Chromium	0.00070J	mg/L	0.010	03/19/20 20:12	B
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	03/19/20 20:12	
EPA 6020B	Copper	0.00031J	mg/L	0.025	03/19/20 20:12	
EPA 6020B	Lead	0.00014J	mg/L	0.0050	03/19/20 20:12	
EPA 6020B	Nickel	0.0012J	mg/L	0.010	03/19/20 20:12	
EPA 6020B	Zinc	0.0031J	mg/L	0.010	03/19/20 20:12	
SM 2540C	Total Dissolved Solids	60.0	mg/L	10.0	03/17/20 14:13	
EPA 300.0 Rev 2.1 1993	Chloride	0.80J	mg/L	1.0	03/17/20 20:52	
EPA 300.0 Rev 2.1 1993	Sulfate	0.61J	mg/L	1.0	03/17/20 20:52	
2629875018	GWC-45R					
	Field pH	7.05	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	43.5	mg/L	1.0	03/24/20 17:34	
EPA 6020B	Barium	0.024	mg/L	0.010	03/19/20 20:18	

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
2629875018	GWC-45R					
EPA 6020B	Boron	0.0090J	mg/L	0.040	03/19/20 20:18	
EPA 6020B	Chromium	0.00092J	mg/L	0.010	03/19/20 20:18	B
EPA 6020B	Zinc	0.0035J	mg/L	0.010	03/19/20 20:18	
SM 2540C	Total Dissolved Solids	245	mg/L	10.0	03/17/20 14:13	
EPA 300.0 Rev 2.1 1993	Chloride	4.4	mg/L	1.0	03/17/20 21:06	
EPA 300.0 Rev 2.1 1993	Sulfate	5.2	mg/L	1.0	03/17/20 21:06	
2629875019	GWC-46R					
	Field pH	7.44	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	51.6	mg/L	1.0	03/24/20 17:38	
EPA 6020B	Barium	0.013	mg/L	0.010	03/19/20 20:23	
EPA 6020B	Chromium	0.0035J	mg/L	0.010	03/19/20 20:23	B
EPA 6020B	Zinc	0.0029J	mg/L	0.010	03/19/20 20:23	
SM 2540C	Total Dissolved Solids	273	mg/L	10.0	03/17/20 14:13	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	03/17/20 21:20	
EPA 300.0 Rev 2.1 1993	Sulfate	5.5	mg/L	1.0	03/17/20 21:20	
2629875020	DUP-2					
EPA 6010D	Calcium	42.4	mg/L	1.0	03/24/20 17:41	
EPA 6020B	Barium	0.025	mg/L	0.010	03/19/20 20:29	
EPA 6020B	Boron	0.0092J	mg/L	0.040	03/19/20 20:29	
EPA 6020B	Chromium	0.00069J	mg/L	0.010	03/19/20 20:29	B
EPA 6020B	Zinc	0.0056J	mg/L	0.010	03/19/20 20:29	
SM 2540C	Total Dissolved Solids	257	mg/L	10.0	03/17/20 14:14	
EPA 300.0 Rev 2.1 1993	Chloride	4.4	mg/L	1.0	03/17/20 21:34	
EPA 300.0 Rev 2.1 1993	Sulfate	5.2	mg/L	1.0	03/17/20 21:34	
2629875021	FBL031020					
EPA 6020B	Zinc	0.0017J	mg/L	0.010	03/19/20 20:35	
SM 2540C	Total Dissolved Solids	89.0	mg/L	10.0	03/17/20 14:14	
2629875022	EQBL031020					
SM 2540C	Total Dissolved Solids	38.0	mg/L	10.0	03/17/20 14:14	
2629875023	GWC-49R					
	Field pH	8.19	Std. Units		03/24/20 15:16	
EPA 6010D	Calcium	27.1	mg/L	1.0	03/24/20 21:19	
EPA 6020B	Antimony	0.0012J	mg/L	0.0030	03/24/20 19:22	B
EPA 6020B	Arsenic	0.00041J	mg/L	0.0050	03/24/20 19:22	
EPA 6020B	Barium	0.026	mg/L	0.010	03/24/20 19:22	
EPA 6020B	Chromium	0.0012J	mg/L	0.010	03/24/20 19:22	B
EPA 6020B	Nickel	0.00040J	mg/L	0.010	03/24/20 19:22	
EPA 6020B	Zinc	0.0036J	mg/L	0.010	03/24/20 19:22	B
SM 2540C	Total Dissolved Solids	125	mg/L	10.0	03/18/20 18:32	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	03/19/20 18:43	
EPA 300.0 Rev 2.1 1993	Sulfate	3.3	mg/L	1.0	03/19/20 18:43	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: GWA-41		Lab ID: 2629875001		Collected: 03/06/20 11:05		Received: 03/06/20 17:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	6.82	Std. Units			1		03/09/20 09:43		
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	29.2	mg/L	1.0	0.14	1	03/13/20 15:45	03/16/20 18:52	7440-70-2	M1
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/13/20 15:00	03/16/20 20:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/13/20 15:00	03/16/20 20:43	7440-38-2	
Barium	0.022	mg/L	0.010	0.00049	1	03/13/20 15:00	03/16/20 20:43	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/13/20 15:00	03/16/20 20:43	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0049	1	03/13/20 15:00	03/16/20 20:43	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/13/20 15:00	03/16/20 20:43	7440-43-9	
Chromium	0.015	mg/L	0.010	0.00039	1	03/13/20 15:00	03/16/20 20:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/13/20 15:00	03/16/20 20:43	7440-48-4	
Copper	0.00093J	mg/L	0.025	0.00019	1	03/13/20 15:00	03/16/20 20:43	7440-50-8	
Lead	0.000091J	mg/L	0.0050	0.000046	1	03/13/20 15:00	03/16/20 20:43	7439-92-1	
Nickel	0.0089J	mg/L	0.010	0.00031	1	03/13/20 15:00	03/16/20 20:43	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/13/20 15:00	03/16/20 20:43	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/13/20 15:00	03/16/20 20:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/13/20 15:00	03/16/20 20:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/13/20 15:00	03/16/20 20:43	7440-62-2	
Zinc	0.0027J	mg/L	0.010	0.0015	1	03/13/20 15:00	03/16/20 20:43	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:41	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	137	mg/L	10.0	10.0	1		03/13/20 16:23		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	1.3	mg/L	1.0	0.60	1		03/15/20 06:08	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/15/20 06:08	16984-48-8	
Sulfate	10.0	mg/L	1.0	0.50	1		03/15/20 06:08	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWA-42		Lab ID: 2629875002		Collected: 03/06/20 12:23		Received: 03/06/20 17:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.42	Std. Units			1		03/09/20 09:43		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	38.0	mg/L	1.0	0.14	1	03/13/20 15:45	03/16/20 19:13	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/16/20 18:00	03/17/20 16:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/16/20 18:00	03/17/20 16:15	7440-38-2	
Barium	0.0066J	mg/L	0.010	0.00049	1	03/16/20 18:00	03/17/20 16:15	7440-39-3	
Beryllium	0.00017J	mg/L	0.0030	0.000074	1	03/16/20 18:00	03/17/20 16:15	7440-41-7	
Boron	0.0068J	mg/L	0.040	0.0049	1	03/16/20 18:00	03/17/20 16:15	7440-42-8	
Cadmium	0.00014J	mg/L	0.0025	0.00011	1	03/16/20 18:00	03/17/20 16:15	7440-43-9	
Chromium	0.00045J	mg/L	0.010	0.00039	1	03/16/20 18:00	03/17/20 16:15	7440-47-3	
Cobalt	0.00039J	mg/L	0.0050	0.00030	1	03/16/20 18:00	03/17/20 16:15	7440-48-4	
Copper	0.00019J	mg/L	0.025	0.00019	1	03/16/20 18:00	03/17/20 16:15	7440-50-8	
Lead	0.00011J	mg/L	0.0050	0.000046	1	03/16/20 18:00	03/17/20 16:15	7439-92-1	
Nickel	0.0015J	mg/L	0.010	0.00031	1	03/16/20 18:00	03/17/20 16:15	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/16/20 18:00	03/17/20 16:15	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/16/20 18:00	03/17/20 16:15	7440-22-4	
Thallium	0.000086J	mg/L	0.0010	0.000052	1	03/16/20 18:00	03/17/20 16:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/16/20 18:00	03/17/20 16:15	7440-62-2	
Zinc	0.012	mg/L	0.010	0.0015	1	03/16/20 18:00	03/17/20 16:15	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:44	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	143	mg/L	10.0	10.0	1		03/13/20 16:24		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.7	mg/L	1.0	0.60	1		03/15/20 06:22	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/15/20 06:22	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		03/15/20 06:22	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: FBL030620		Lab ID: 2629875003		Collected: 03/06/20 13:31		Received: 03/06/20 17:30		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	ND	mg/L	1.0	0.14	1	03/13/20 15:45	03/16/20 19:16	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	0.00082J	mg/L	0.0030	0.00027	1	03/16/20 18:00	03/17/20 16:38	7440-36-0	B	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/16/20 18:00	03/17/20 16:38	7440-38-2		
Barium	ND	mg/L	0.010	0.00049	1	03/16/20 18:00	03/17/20 16:38	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	03/16/20 18:00	03/17/20 16:38	7440-41-7		
Boron	ND	mg/L	0.040	0.0049	1	03/16/20 18:00	03/17/20 16:38	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	03/16/20 18:00	03/17/20 16:38	7440-43-9		
Chromium	ND	mg/L	0.010	0.00039	1	03/16/20 18:00	03/17/20 16:38	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00030	1	03/16/20 18:00	03/17/20 16:38	7440-48-4		
Copper	ND	mg/L	0.025	0.00019	1	03/16/20 18:00	03/17/20 16:38	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	03/16/20 18:00	03/17/20 16:38	7439-92-1		
Nickel	ND	mg/L	0.010	0.00031	1	03/16/20 18:00	03/17/20 16:38	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/16/20 18:00	03/17/20 16:38	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/16/20 18:00	03/17/20 16:38	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/16/20 18:00	03/17/20 16:38	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	03/16/20 18:00	03/17/20 16:38	7440-62-2		
Zinc	ND	mg/L	0.010	0.0015	1	03/16/20 18:00	03/17/20 16:38	7440-66-6		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:46	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/13/20 16:24			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	ND	mg/L	1.0	0.60	1		03/15/20 06:37	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		03/15/20 06:37	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		03/15/20 06:37	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: EQBL030620		Lab ID: 2629875004		Collected: 03/06/20 13:35		Received: 03/06/20 17:30		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	ND	mg/L	1.0	0.14	1	03/13/20 15:45	03/16/20 19:20	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	0.00032J	mg/L	0.0030	0.00027	1	03/16/20 18:00	03/17/20 16:43	7440-36-0	B	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/16/20 18:00	03/17/20 16:43	7440-38-2		
Barium	ND	mg/L	0.010	0.00049	1	03/16/20 18:00	03/17/20 16:43	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	03/16/20 18:00	03/17/20 16:43	7440-41-7		
Boron	ND	mg/L	0.040	0.0049	1	03/16/20 18:00	03/17/20 16:43	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	03/16/20 18:00	03/17/20 16:43	7440-43-9		
Chromium	0.0035J	mg/L	0.010	0.00039	1	03/16/20 18:00	03/17/20 16:43	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00030	1	03/16/20 18:00	03/17/20 16:43	7440-48-4		
Copper	0.00021J	mg/L	0.025	0.00019	1	03/16/20 18:00	03/17/20 16:43	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	03/16/20 18:00	03/17/20 16:43	7439-92-1		
Nickel	ND	mg/L	0.010	0.00031	1	03/16/20 18:00	03/17/20 16:43	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/16/20 18:00	03/17/20 16:43	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/16/20 18:00	03/17/20 16:43	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/16/20 18:00	03/17/20 16:43	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	03/16/20 18:00	03/17/20 16:43	7440-62-2		
Zinc	0.0037J	mg/L	0.010	0.0015	1	03/16/20 18:00	03/17/20 16:43	7440-66-6		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:48	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/13/20 16:24			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	ND	mg/L	1.0	0.60	1		03/15/20 06:51	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		03/15/20 06:51	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		03/15/20 06:51	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: DUP-1		Lab ID: 2629875005		Collected: 03/06/20 00:00		Received: 03/06/20 17:30		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A								
Calcium	36.8	mg/L	1.0	0.14	1	03/13/20 15:45	03/16/20 19:23	7440-70-2		
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Antimony	ND	mg/L	0.0030	0.00027	1	03/16/20 18:00	03/17/20 16:49	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00035	1	03/16/20 18:00	03/17/20 16:49	7440-38-2		
Barium	0.0068J	mg/L	0.010	0.00049	1	03/16/20 18:00	03/17/20 16:49	7440-39-3		
Beryllium	0.00018J	mg/L	0.0030	0.000074	1	03/16/20 18:00	03/17/20 16:49	7440-41-7		
Boron	0.0053J	mg/L	0.040	0.0049	1	03/16/20 18:00	03/17/20 16:49	7440-42-8		
Cadmium	0.00013J	mg/L	0.0025	0.00011	1	03/16/20 18:00	03/17/20 16:49	7440-43-9		
Chromium	0.00089J	mg/L	0.010	0.00039	1	03/16/20 18:00	03/17/20 16:49	7440-47-3		
Cobalt	0.00034J	mg/L	0.0050	0.00030	1	03/16/20 18:00	03/17/20 16:49	7440-48-4		
Copper	0.00020J	mg/L	0.025	0.00019	1	03/16/20 18:00	03/17/20 16:49	7440-50-8		
Lead	0.000098J	mg/L	0.0050	0.000046	1	03/16/20 18:00	03/17/20 16:49	7439-92-1		
Nickel	0.0013J	mg/L	0.010	0.00031	1	03/16/20 18:00	03/17/20 16:49	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	03/16/20 18:00	03/17/20 16:49	7782-49-2		
Silver	ND	mg/L	0.010	0.00028	1	03/16/20 18:00	03/17/20 16:49	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	03/16/20 18:00	03/17/20 16:49	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	03/16/20 18:00	03/17/20 16:49	7440-62-2		
Zinc	0.011	mg/L	0.010	0.0015	1	03/16/20 18:00	03/17/20 16:49	7440-66-6		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	ND	mg/L	0.00050	0.00014	1	03/12/20 11:45	03/13/20 13:51	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C								
Total Dissolved Solids	147	mg/L	10.0	10.0	1		03/13/20 16:24			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993								
Chloride	2.7	mg/L	1.0	0.60	1		03/15/20 07:49	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		03/15/20 07:49	16984-48-8		
Sulfate	2.4	mg/L	1.0	0.50	1		03/15/20 07:49	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWA-39RZ		Lab ID: 2629875006		Collected: 03/09/20 14:04		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.68	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	35.6	mg/L	1.0	0.14	1	03/18/20 15:40	03/22/20 19:25	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.0013J	mg/L	0.0030	0.00027	1	03/16/20 18:00	03/17/20 19:46	7440-36-0	B
Arsenic	0.00083J	mg/L	0.0050	0.00035	1	03/16/20 18:00	03/17/20 19:46	7440-38-2	
Barium	0.017	mg/L	0.010	0.00049	1	03/16/20 18:00	03/17/20 19:46	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/16/20 18:00	03/17/20 19:46	7440-41-7	
Boron	0.0065J	mg/L	0.040	0.0049	1	03/16/20 18:00	03/17/20 19:46	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/16/20 18:00	03/17/20 19:46	7440-43-9	
Chromium	0.0016J	mg/L	0.010	0.00039	1	03/16/20 18:00	03/17/20 19:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/16/20 18:00	03/17/20 19:46	7440-48-4	
Copper	0.011J	mg/L	0.025	0.00019	1	03/16/20 18:00	03/17/20 19:46	7440-50-8	
Lead	0.00027J	mg/L	0.0050	0.000046	1	03/16/20 18:00	03/17/20 19:46	7439-92-1	
Nickel	0.00083J	mg/L	0.010	0.00031	1	03/16/20 18:00	03/17/20 19:46	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/16/20 18:00	03/17/20 19:46	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/16/20 18:00	03/17/20 19:46	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/16/20 18:00	03/17/20 19:46	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/16/20 18:00	03/17/20 19:46	7440-62-2	
Zinc	0.0090J	mg/L	0.010	0.0015	1	03/16/20 18:00	03/17/20 19:46	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	173	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.5	mg/L	1.0	0.60	1		03/17/20 16:54	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 16:54	16984-48-8	
Sulfate	5.8	mg/L	1.0	0.50	1		03/17/20 16:54	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWA-39Z		Lab ID: 2629875007		Collected: 03/09/20 15:44		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.90	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	3.2	mg/L	1.0	0.14	1	03/18/20 15:40	03/22/20 19:28	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.0011J	mg/L	0.0030	0.00027	1	03/16/20 18:00	03/17/20 19:52	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.00035	1	03/16/20 18:00	03/17/20 19:52	7440-38-2	
Barium	0.0072J	mg/L	0.010	0.00049	1	03/16/20 18:00	03/17/20 19:52	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/16/20 18:00	03/17/20 19:52	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/16/20 18:00	03/17/20 19:52	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/16/20 18:00	03/17/20 19:52	7440-43-9	
Chromium	0.069	mg/L	0.010	0.00039	1	03/16/20 18:00	03/17/20 19:52	7440-47-3	
Cobalt	0.00075J	mg/L	0.0050	0.00030	1	03/16/20 18:00	03/17/20 19:52	7440-48-4	
Copper	0.00070J	mg/L	0.025	0.00019	1	03/16/20 18:00	03/17/20 19:52	7440-50-8	
Lead	0.000055J	mg/L	0.0050	0.000046	1	03/16/20 18:00	03/17/20 19:52	7439-92-1	
Nickel	0.040	mg/L	0.010	0.00031	1	03/16/20 18:00	03/17/20 19:52	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/16/20 18:00	03/17/20 19:52	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/16/20 18:00	03/17/20 19:52	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/16/20 18:00	03/17/20 19:52	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/16/20 18:00	03/17/20 19:52	7440-62-2	
Zinc	0.0035J	mg/L	0.010	0.0015	1	03/16/20 18:00	03/17/20 19:52	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	58.0	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.2	mg/L	1.0	0.60	1		03/17/20 17:08	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 17:08	16984-48-8	
Sulfate	0.84J	mg/L	1.0	0.50	1		03/17/20 17:08	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: GWA-40		Lab ID: 2629875008		Collected: 03/09/20 12:59		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.50	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	29.4	mg/L	1.0	0.14	1	03/18/20 15:40	03/22/20 19:32	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 18:52	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 18:52	7440-38-2	
Barium	0.0088J	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 18:52	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 18:52	7440-41-7	
Boron	0.0074J	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 18:52	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 18:52	7440-43-9	
Chromium	0.00090J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 18:52	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 18:52	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 18:52	7440-50-8	
Lead	0.000095J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 18:52	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 18:52	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 18:52	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 18:52	7440-22-4	
Thallium	0.000078J	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 18:52	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 18:52	7440-62-2	
Zinc	0.0020J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 18:52	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:33	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	131	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.5	mg/L	1.0	0.60	1		03/17/20 17:22	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 17:22	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		03/17/20 17:22	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: GWA-41R		Lab ID: 2629875009		Collected: 03/09/20 10:59		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	6.70	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	25.5	mg/L	1.0	0.14	1	03/18/20 15:40	03/22/20 19:35	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.0037	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 19:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 19:15	7440-38-2	
Barium	0.031	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 19:15	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 19:15	7440-41-7	
Boron	0.021J	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 19:15	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 19:15	7440-43-9	
Chromium	0.00040J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 19:15	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 19:15	7440-48-4	
Copper	0.0014J	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 19:15	7440-50-8	
Lead	0.000049J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 19:15	7439-92-1	
Nickel	0.00036J	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 19:15	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 19:15	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 19:15	7440-22-4	
Thallium	0.000061J	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 19:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 19:15	7440-62-2	
Zinc	0.0024J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 19:15	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:36	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	249	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.3	mg/L	1.0	0.60	1		03/17/20 17:36	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 17:36	16984-48-8	
Sulfate	8.5	mg/L	1.0	0.50	1		03/17/20 17:36	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWA-43		Lab ID: 2629875010		Collected: 03/09/20 14:14		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.50	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	2.6	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 16:49	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.00062J	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 19:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 19:20	7440-38-2	
Barium	0.012	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 19:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 19:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 19:20	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 19:20	7440-43-9	
Chromium	0.0033J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 19:20	7440-47-3	B
Cobalt	0.00039J	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 19:20	7440-48-4	
Copper	0.00035J	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 19:20	7440-50-8	
Lead	0.000091J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 19:20	7439-92-1	
Nickel	0.00082J	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 19:20	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 19:20	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 19:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 19:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 19:20	7440-62-2	
Zinc	0.0020J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 19:20	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	51.0	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.2	mg/L	1.0	0.60	1		03/17/20 17:50	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 17:50	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/17/20 17:50	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: GWA-43R		Lab ID: 2629875011		Collected: 03/09/20 15:39		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.73	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	31.7	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:03	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.00037J	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 19:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 19:26	7440-38-2	
Barium	0.0069J	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 19:26	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 19:26	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 19:26	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 19:26	7440-43-9	
Chromium	0.0014J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 19:26	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 19:26	7440-48-4	
Copper	0.00035J	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 19:26	7440-50-8	
Lead	0.000096J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 19:26	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 19:26	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 19:26	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 19:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 19:26	7440-28-0	
Vanadium	0.00074J	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 19:26	7440-62-2	
Zinc	0.0022J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 19:26	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:41	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	174	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.2	mg/L	1.0	0.60	1		03/17/20 18:04	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 18:04	16984-48-8	
Sulfate	3.9	mg/L	1.0	0.50	1		03/17/20 18:04	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWC-47		Lab ID: 2629875012		Collected: 03/09/20 15:38		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.19	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	22.3	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:06	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.00032J	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 19:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 19:32	7440-38-2	
Barium	0.0089J	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 19:32	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 19:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 19:32	7440-42-8	
Cadmium	0.00015J	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 19:32	7440-43-9	
Chromium	0.0012J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 19:32	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 19:32	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 19:32	7440-50-8	
Lead	0.000058J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 19:32	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 19:32	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 19:32	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 19:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 19:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 19:32	7440-62-2	
Zinc	0.044	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 19:32	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	147	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.3	mg/L	1.0	0.60	1		03/17/20 18:46	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 18:46	16984-48-8	
Sulfate	4.3	mg/L	1.0	0.50	1		03/17/20 18:46	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWC-47R		Lab ID: 2629875013		Collected: 03/09/20 16:31		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.51	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	35.0	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:10	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.00056J	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 19:49	7440-36-0	
Arsenic	0.00051J	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 19:49	7440-38-2	
Barium	0.0082J	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 19:49	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 19:49	7440-41-7	
Boron	0.0051J	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 19:49	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 19:49	7440-43-9	
Chromium	0.0023J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 19:49	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 19:49	7440-48-4	
Copper	0.00032J	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 19:49	7440-50-8	
Lead	0.000080J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 19:49	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 19:49	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 19:49	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 19:49	7440-22-4	
Thallium	0.00021J	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 19:49	7440-28-0	
Vanadium	0.00075J	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 19:49	7440-62-2	
Zinc	0.032	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 19:49	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:50	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	44.0	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	2.3	mg/L	1.0	0.60	1		03/17/20 19:56	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 19:56	16984-48-8	
Sulfate	10.4	mg/L	1.0	0.50	1		03/17/20 19:56	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWC-48		Lab ID: 2629875014		Collected: 03/09/20 14:23		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.18	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	4.5	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:13	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 19:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 19:55	7440-38-2	
Barium	0.029	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 19:55	7440-39-3	
Beryllium	0.00028J	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 19:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 19:55	7440-42-8	
Cadmium	0.00016J	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 19:55	7440-43-9	
Chromium	0.0023J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 19:55	7440-47-3	B
Cobalt	0.0016J	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 19:55	7440-48-4	
Copper	0.00035J	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 19:55	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 19:55	7439-92-1	
Nickel	0.0039J	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 19:55	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 19:55	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 19:55	7440-22-4	
Thallium	0.000090J	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 19:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 19:55	7440-62-2	
Zinc	0.0079J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 19:55	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:52	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	100	mg/L	10.0	10.0	1		03/16/20 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	3.4	mg/L	1.0	0.60	1		03/17/20 20:10	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 20:10	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		03/17/20 20:10	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: GWC-49Z		Lab ID: 2629875015		Collected: 03/09/20 10:22		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	5.60	Std. Units			1		03/24/20 15:16		
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	0.87J	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:24	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	0.0018J	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 20:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 20:00	7440-38-2	
Barium	0.0045J	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 20:00	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 20:00	7440-41-7	
Boron	0.0055J	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 20:00	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 20:00	7440-43-9	
Chromium	0.00096J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 20:00	7440-47-3	B
Cobalt	0.0028J	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 20:00	7440-48-4	
Copper	0.00035J	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 20:00	7440-50-8	
Lead	0.00017J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 20:00	7439-92-1	
Nickel	0.0030J	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 20:00	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 20:00	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 20:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 20:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 20:00	7440-62-2	
Zinc	0.0047J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 20:00	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:55	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	51.0	mg/L	10.0	10.0	1		03/16/20 18:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	1.0	mg/L	1.0	0.60	1		03/17/20 20:24	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 20:24	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		03/17/20 20:24	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWC-44		Lab ID: 2629875016		Collected: 03/10/20 14:49		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	4.44	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	16.9	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:27	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 20:06	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 20:06	7440-38-2	
Barium	0.059	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 20:06	7440-39-3	
Beryllium	0.000074J	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 20:06	7440-41-7	
Boron	0.019J	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 20:06	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 20:06	7440-43-9	
Chromium	0.00074J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 20:06	7440-47-3	B
Cobalt	0.0021J	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 20:06	7440-48-4	
Copper	0.00067J	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 20:06	7440-50-8	
Lead	0.00066J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 20:06	7439-92-1	
Nickel	0.00086J	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 20:06	7440-02-0	
Selenium	0.0063J	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 20:06	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 20:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 20:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 20:06	7440-62-2	
Zinc	0.0049J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 20:06	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:57	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	127	mg/L	10.0	10.0	1		03/17/20 14:13		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	5.9	mg/L	1.0	0.60	1		03/17/20 20:38	16887-00-6	
Fluoride	0.13J	mg/L	0.30	0.050	1		03/17/20 20:38	16984-48-8	
Sulfate	48.5	mg/L	1.0	0.50	1		03/17/20 20:38	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWC-45		Lab ID: 2629875017		Collected: 03/10/20 14:05		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	4.98	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	0.89J	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:31	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.00087J	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 20:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 20:12	7440-38-2	
Barium	0.0061J	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 20:12	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 20:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 20:12	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 20:12	7440-43-9	
Chromium	0.00070J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 20:12	7440-47-3	B
Cobalt	0.0012J	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 20:12	7440-48-4	
Copper	0.00031J	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 20:12	7440-50-8	
Lead	0.00014J	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 20:12	7439-92-1	
Nickel	0.0012J	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 20:12	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 20:12	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 20:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 20:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 20:12	7440-62-2	
Zinc	0.0031J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 20:12	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 14:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	60.0	mg/L	10.0	10.0	1		03/17/20 14:13		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	0.80J	mg/L	1.0	0.60	1		03/17/20 20:52	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 20:52	16984-48-8	
Sulfate	0.61J	mg/L	1.0	0.50	1		03/17/20 20:52	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: GWC-45R		Lab ID: 2629875018		Collected: 03/10/20 15:06		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.05	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	43.5	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:34	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 20:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 20:18	7440-38-2	
Barium	0.024	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 20:18	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 20:18	7440-41-7	
Boron	0.0090J	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 20:18	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 20:18	7440-43-9	
Chromium	0.00092J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 20:18	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 20:18	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 20:18	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 20:18	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 20:18	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 20:18	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 20:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 20:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 20:18	7440-62-2	
Zinc	0.0035J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 20:18	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 15:02	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	245	mg/L	10.0	10.0	1		03/17/20 14:13		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	4.4	mg/L	1.0	0.60	1		03/17/20 21:06	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 21:06	16984-48-8	
Sulfate	5.2	mg/L	1.0	0.50	1		03/17/20 21:06	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: GWC-46R		Lab ID: 2629875019		Collected: 03/10/20 13:41		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.44	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	51.6	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:38	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	ND	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 20:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 20:23	7440-38-2	
Barium	0.013	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 20:23	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 20:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 20:23	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 20:23	7440-43-9	
Chromium	0.0035J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 20:23	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 20:23	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 20:23	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 20:23	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 20:23	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 20:23	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 20:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 20:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 20:23	7440-62-2	
Zinc	0.0029J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 20:23	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 15:04	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	273	mg/L	10.0	10.0	1		03/17/20 14:13		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.2	mg/L	1.0	0.60	1		03/17/20 21:20	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 21:20	16984-48-8	
Sulfate	5.5	mg/L	1.0	0.50	1		03/17/20 21:20	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Sample: DUP-2		Lab ID: 2629875020		Collected: 03/10/20 00:00		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	42.4	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:41	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 20:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 20:29	7440-38-2	
Barium	0.025	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 20:29	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 20:29	7440-41-7	
Boron	0.0092J	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 20:29	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 20:29	7440-43-9	
Chromium	0.00069J	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 20:29	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 20:29	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 20:29	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 20:29	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 20:29	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 20:29	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 20:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 20:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 20:29	7440-62-2	
Zinc	0.0056J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 20:29	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 15:07	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	257	mg/L	10.0	10.0	1		03/17/20 14:14		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	4.4	mg/L	1.0	0.60	1		03/17/20 21:34	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 21:34	16984-48-8	
Sulfate	5.2	mg/L	1.0	0.50	1		03/17/20 21:34	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: FBL031020		Lab ID: 2629875021		Collected: 03/10/20 16:02		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:45	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 20:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 20:35	7440-38-2	
Barium	ND	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 20:35	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 20:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 20:35	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 20:35	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 20:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 20:35	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 20:35	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 20:35	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 20:35	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 20:35	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 20:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 20:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 20:35	7440-62-2	
Zinc	0.0017J	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 20:35	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 15:09	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	89.0	mg/L	10.0	10.0	1		03/17/20 14:14		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/17/20 22:16	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 22:16	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/17/20 22:16	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: EQBL031020		Lab ID: 2629875022		Collected: 03/10/20 16:06		Received: 03/11/20 10:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A							
Calcium	ND	mg/L	1.0	0.14	1	03/23/20 16:48	03/24/20 17:48	7440-70-2	
6020B MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Antimony	ND	mg/L	0.0030	0.00027	1	03/17/20 18:45	03/19/20 20:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	03/17/20 18:45	03/19/20 20:40	7440-38-2	
Barium	ND	mg/L	0.010	0.00049	1	03/17/20 18:45	03/19/20 20:40	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/17/20 18:45	03/19/20 20:40	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/17/20 18:45	03/19/20 20:40	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/17/20 18:45	03/19/20 20:40	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	03/17/20 18:45	03/19/20 20:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	03/17/20 18:45	03/19/20 20:40	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/17/20 18:45	03/19/20 20:40	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/17/20 18:45	03/19/20 20:40	7439-92-1	
Nickel	ND	mg/L	0.010	0.00031	1	03/17/20 18:45	03/19/20 20:40	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/17/20 18:45	03/19/20 20:40	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/17/20 18:45	03/19/20 20:40	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/17/20 18:45	03/19/20 20:40	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/17/20 18:45	03/19/20 20:40	7440-62-2	
Zinc	ND	mg/L	0.010	0.0015	1	03/17/20 18:45	03/19/20 20:40	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 15:11	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	38.0	mg/L	10.0	10.0	1		03/17/20 14:14		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993							
Chloride	ND	mg/L	1.0	0.60	1		03/17/20 22:30	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/17/20 22:30	16984-48-8	M1
Sulfate	ND	mg/L	1.0	0.50	1		03/17/20 22:30	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Sample: GWC-49R		Lab ID: 2629875023		Collected: 03/11/20 15:48		Received: 03/14/20 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	8.19	Std. Units			1		03/24/20 15:16		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Calcium	27.1	mg/L	1.0	0.14	1	03/23/20 20:25	03/24/20 21:19	7440-70-2	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Antimony	0.0012J	mg/L	0.0030	0.00027	1	03/18/20 18:38	03/24/20 19:22	7440-36-0	B
Arsenic	0.00041J	mg/L	0.0050	0.00035	1	03/18/20 18:38	03/24/20 19:22	7440-38-2	
Barium	0.026	mg/L	0.010	0.00049	1	03/18/20 18:38	03/24/20 19:22	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	03/18/20 18:38	03/24/20 19:22	7440-41-7	
Boron	ND	mg/L	0.040	0.0049	1	03/18/20 18:38	03/24/20 19:22	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	03/18/20 18:38	03/24/20 19:22	7440-43-9	
Chromium	0.0012J	mg/L	0.010	0.00039	1	03/18/20 18:38	03/24/20 19:22	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00030	1	03/18/20 18:38	03/24/20 19:22	7440-48-4	
Copper	ND	mg/L	0.025	0.00019	1	03/18/20 18:38	03/24/20 19:22	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	03/18/20 18:38	03/24/20 19:22	7439-92-1	
Nickel	0.00040J	mg/L	0.010	0.00031	1	03/18/20 18:38	03/24/20 19:22	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	03/18/20 18:38	03/24/20 19:22	7782-49-2	
Silver	ND	mg/L	0.010	0.00028	1	03/18/20 18:38	03/24/20 19:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	03/18/20 18:38	03/24/20 19:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	03/18/20 18:38	03/24/20 19:22	7440-62-2	
Zinc	0.0036J	mg/L	0.010	0.0015	1	03/18/20 18:38	03/24/20 19:22	7440-66-6	B
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Mercury	ND	mg/L	0.00050	0.00014	1	03/18/20 07:40	03/18/20 15:18	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Total Dissolved Solids	125	mg/L	10.0	10.0	1		03/18/20 18:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Chloride	1.4	mg/L	1.0	0.60	1		03/19/20 18:43	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		03/19/20 18:43	16984-48-8	
Sulfate	3.3	mg/L	1.0	0.50	1		03/19/20 18:43	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 44498 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Associated Lab Samples: 2629875001, 2629875002, 2629875003, 2629875004, 2629875005

METHOD BLANK: 204276 Matrix: Water
Associated Lab Samples: 2629875001, 2629875002, 2629875003, 2629875004, 2629875005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/13/20 13:03	

LABORATORY CONTROL SAMPLE: 204277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 204278 204279

Parameter	Units	204278		204279		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629701014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0024	99	97	75-125	2	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

QC Batch: 44687 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Associated Lab Samples: 2629875006, 2629875007, 2629875008, 2629875009, 2629875010, 2629875011, 2629875012, 2629875013, 2629875014, 2629875015, 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022, 2629875023

METHOD BLANK: 205409 Matrix: Water

Associated Lab Samples: 2629875006, 2629875007, 2629875008, 2629875009, 2629875010, 2629875011, 2629875012, 2629875013, 2629875014, 2629875015, 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022, 2629875023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.00014	03/18/20 14:12	

LABORATORY CONTROL SAMPLE: 205410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 205411 205412

Parameter	Units	2629875006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0024	105	94	75-125	11	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

QC Batch: 44554 Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A Analysis Description: 6010D MET

Associated Lab Samples: 2629875001, 2629875002, 2629875003, 2629875004, 2629875005

METHOD BLANK: 204811 Matrix: Water

Associated Lab Samples: 2629875001, 2629875002, 2629875003, 2629875004, 2629875005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/16/20 18:45	

LABORATORY CONTROL SAMPLE: 204812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 204813 204814

Parameter	Units	204813		204814		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Calcium	mg/L	29.2	1	28.5	1	-69	-90	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 44703 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET
Associated Lab Samples: 2629875006, 2629875007, 2629875008, 2629875009

METHOD BLANK: 205490 Matrix: Water
Associated Lab Samples: 2629875006, 2629875007, 2629875008, 2629875009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/22/20 17:57	

LABORATORY CONTROL SAMPLE: 205491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 205492 205493

Parameter	Units	2629901001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	23.7	1	1	25.0	25.0	126	127	75-125	0	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

QC Batch:	44838	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D MET
Associated Lab Samples:	2629875010, 2629875011, 2629875012, 2629875013, 2629875014, 2629875015, 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022		

METHOD BLANK:	206317	Matrix:	Water
Associated Lab Samples:	2629875010, 2629875011, 2629875012, 2629875013, 2629875014, 2629875015, 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/24/20 16:42	

LABORATORY CONTROL SAMPLE: 206318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206319 206320

Parameter	Units	2629875010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	2.6	1	1	3.7	3.6	109	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

QC Batch: 44863	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D MET
Associated Lab Samples: 2629875023	

METHOD BLANK: 206402 Matrix: Water
Associated Lab Samples: 2629875023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	03/24/20 20:19	

LABORATORY CONTROL SAMPLE: 206403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 206404 206405

Parameter	Units	2630125004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	24.2	1	1	25.5	25.3	133	115	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 44555 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Associated Lab Samples: 2629875001

METHOD BLANK: 204815 Matrix: Water
Associated Lab Samples: 2629875001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/16/20 18:03	
Arsenic	mg/L	ND	0.0050	0.00035	03/16/20 18:03	
Barium	mg/L	ND	0.010	0.00049	03/16/20 18:03	
Beryllium	mg/L	ND	0.0030	0.000074	03/16/20 18:03	
Boron	mg/L	ND	0.040	0.0049	03/16/20 18:03	
Cadmium	mg/L	ND	0.0025	0.00011	03/16/20 18:03	
Chromium	mg/L	ND	0.010	0.00039	03/16/20 18:03	
Cobalt	mg/L	ND	0.0050	0.00030	03/16/20 18:03	
Copper	mg/L	ND	0.025	0.00019	03/16/20 18:03	
Lead	mg/L	ND	0.0050	0.000046	03/16/20 18:03	
Nickel	mg/L	ND	0.010	0.00031	03/16/20 18:03	
Selenium	mg/L	ND	0.010	0.0013	03/16/20 18:03	
Silver	mg/L	ND	0.010	0.00028	03/16/20 18:03	
Thallium	mg/L	ND	0.0010	0.000052	03/16/20 18:03	
Vanadium	mg/L	ND	0.010	0.00071	03/16/20 18:03	
Zinc	mg/L	ND	0.010	0.0015	03/16/20 18:03	

LABORATORY CONTROL SAMPLE: 204816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	105	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Silver	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.10	101	80-120	
Zinc	mg/L	0.1	0.10	101	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Parameter	Units	2629786015		204817		204818		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	0	20			
Arsenic	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20			
Barium	mg/L	0.021	0.1	0.1	0.12	0.12	97	100	75-125	2	20			
Beryllium	mg/L	ND	0.1	0.1	0.099	0.10	99	104	75-125	5	20			
Boron	mg/L	0.0079J	1	1	1.0	1.1	103	107	75-125	4	20			
Cadmium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	1	20			
Chromium	mg/L	0.0011J	0.1	0.1	0.10	0.10	101	100	75-125	1	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20			
Copper	mg/L	0.00036J	0.1	0.1	0.10	0.10	102	102	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20			
Nickel	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20			
Silver	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20			
Thallium	mg/L	0.000092J	0.1	0.1	0.094	0.097	94	97	75-125	3	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20			
Zinc	mg/L	0.0017J	0.1	0.1	0.10	0.10	99	98	75-125	1	20			

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 44617 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Associated Lab Samples: 2629875002, 2629875003, 2629875004, 2629875005, 2629875006, 2629875007

METHOD BLANK: 205055 Matrix: Water
Associated Lab Samples: 2629875002, 2629875003, 2629875004, 2629875005, 2629875006, 2629875007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00031J	0.0030	0.00027	03/17/20 16:03	
Arsenic	mg/L	ND	0.0050	0.00035	03/17/20 16:03	
Barium	mg/L	ND	0.010	0.00049	03/17/20 16:03	
Beryllium	mg/L	ND	0.0030	0.000074	03/17/20 16:03	
Boron	mg/L	ND	0.040	0.0049	03/17/20 16:03	
Cadmium	mg/L	ND	0.0025	0.00011	03/17/20 16:03	
Chromium	mg/L	ND	0.010	0.00039	03/17/20 16:03	
Cobalt	mg/L	ND	0.0050	0.00030	03/17/20 16:03	
Copper	mg/L	ND	0.025	0.00019	03/17/20 16:03	
Lead	mg/L	ND	0.0050	0.000046	03/17/20 16:03	
Nickel	mg/L	ND	0.010	0.00031	03/17/20 16:03	
Selenium	mg/L	ND	0.010	0.0013	03/17/20 16:03	
Silver	mg/L	ND	0.010	0.00028	03/17/20 16:03	
Thallium	mg/L	ND	0.0010	0.000052	03/17/20 16:03	
Vanadium	mg/L	ND	0.010	0.00071	03/17/20 16:03	
Zinc	mg/L	ND	0.010	0.0015	03/17/20 16:03	

LABORATORY CONTROL SAMPLE: 205056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	104	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Copper	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Nickel	mg/L	0.1	0.11	105	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	
Zinc	mg/L	0.1	0.10	104	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Parameter	Units	205057		205058		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		2629875002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20	
Barium	mg/L	0.0066J	0.1	0.1	0.11	0.11	102	104	75-125	2	20	
Beryllium	mg/L	0.00017J	0.1	0.1	0.10	0.10	101	102	75-125	0	20	
Boron	mg/L	0.0068J	1	1	1.0	1.0	101	102	75-125	1	20	
Cadmium	mg/L	0.00014J	0.1	0.1	0.10	0.10	101	103	75-125	2	20	
Chromium	mg/L	0.00045J	0.1	0.1	0.11	0.11	105	106	75-125	1	20	
Cobalt	mg/L	0.00039J	0.1	0.1	0.10	0.10	103	104	75-125	1	20	
Copper	mg/L	0.00019J	0.1	0.1	0.10	0.10	102	103	75-125	1	20	
Lead	mg/L	0.00011J	0.1	0.1	0.096	0.098	96	97	75-125	2	20	
Nickel	mg/L	0.0015J	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	0	20	
Thallium	mg/L	0.000086J	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	1	20	
Zinc	mg/L	0.012	0.1	0.1	0.11	0.11	98	101	75-125	2	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 44679 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020B MET
Associated Lab Samples: 2629875008, 2629875009, 2629875010, 2629875011, 2629875012, 2629875013, 2629875014, 2629875015, 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022

METHOD BLANK: 205363 Matrix: Water
Associated Lab Samples: 2629875008, 2629875009, 2629875010, 2629875011, 2629875012, 2629875013, 2629875014, 2629875015, 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	03/19/20 18:40	
Arsenic	mg/L	ND	0.0050	0.00035	03/19/20 18:40	
Barium	mg/L	ND	0.010	0.00049	03/19/20 18:40	
Beryllium	mg/L	ND	0.0030	0.000074	03/19/20 18:40	
Boron	mg/L	ND	0.040	0.0049	03/19/20 18:40	
Cadmium	mg/L	ND	0.0025	0.00011	03/19/20 18:40	
Chromium	mg/L	0.00045J	0.010	0.00039	03/19/20 18:40	
Cobalt	mg/L	ND	0.0050	0.00030	03/19/20 18:40	
Copper	mg/L	ND	0.025	0.00019	03/19/20 18:40	
Lead	mg/L	ND	0.0050	0.000046	03/19/20 18:40	
Nickel	mg/L	ND	0.010	0.00031	03/19/20 18:40	
Selenium	mg/L	ND	0.010	0.0013	03/19/20 18:40	
Silver	mg/L	ND	0.010	0.00028	03/19/20 18:40	
Thallium	mg/L	ND	0.0010	0.000052	03/19/20 18:40	
Vanadium	mg/L	ND	0.010	0.00071	03/19/20 18:40	
Zinc	mg/L	ND	0.010	0.0015	03/19/20 18:40	

LABORATORY CONTROL SAMPLE: 205364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	100	80-120	
Arsenic	mg/L	0.1	0.096	96	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Copper	mg/L	0.1	0.10	100	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	
Zinc	mg/L	0.1	0.092	92	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Parameter	Units	205365		205366		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		2629875008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20	
Barium	mg/L	0.0088J	0.1	0.1	0.11	0.11	101	98	75-125	3	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	1	20	
Boron	mg/L	0.0074J	1	1	1.0	1.0	102	101	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	3	20	
Chromium	mg/L	0.00090J	0.1	0.1	0.10	0.10	103	104	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Copper	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20	
Lead	mg/L	0.000095J	0.1	0.1	0.096	0.095	95	94	75-125	1	20	
Nickel	mg/L	ND	0.1	0.1	0.098	0.099	98	98	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.099	0.099	98	98	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	2	20	
Thallium	mg/L	0.000078J	0.1	0.1	0.095	0.096	95	96	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	1	20	
Zinc	mg/L	0.0020J	0.1	0.1	0.092	0.092	90	90	75-125	0	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

QC Batch: 44725	Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A	Analysis Description: 6020B MET
Associated Lab Samples: 2629875023	

METHOD BLANK: 205651 Matrix: Water

Associated Lab Samples: 2629875023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00029J	0.0030	0.00027	03/24/20 17:15	
Arsenic	mg/L	ND	0.0050	0.00035	03/24/20 17:15	
Barium	mg/L	ND	0.010	0.00049	03/24/20 17:15	
Beryllium	mg/L	ND	0.0030	0.000074	03/24/20 17:15	
Boron	mg/L	ND	0.040	0.0049	03/24/20 17:15	
Cadmium	mg/L	ND	0.0025	0.00011	03/24/20 17:15	
Chromium	mg/L	0.0013J	0.010	0.00039	03/24/20 17:15	
Cobalt	mg/L	ND	0.0050	0.00030	03/24/20 17:15	
Copper	mg/L	ND	0.025	0.00019	03/24/20 17:15	
Lead	mg/L	ND	0.0050	0.000046	03/24/20 17:15	
Nickel	mg/L	ND	0.010	0.00031	03/24/20 17:15	
Selenium	mg/L	ND	0.010	0.0013	03/24/20 17:15	
Silver	mg/L	ND	0.010	0.00028	03/24/20 17:15	
Thallium	mg/L	ND	0.0010	0.000052	03/24/20 17:15	
Vanadium	mg/L	ND	0.010	0.00071	03/24/20 17:15	
Zinc	mg/L	0.0018J	0.010	0.0015	03/24/20 17:15	

LABORATORY CONTROL SAMPLE: 205652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	1.1	105	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Parameter	Units	205653		205654		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		2630003002 Result	MS Spike Conc.	MSD Spike Conc.									
Antimony	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.098	0.10	97	101	75-125	4	20		
Barium	mg/L	0.019	0.1	0.1	0.12	0.12	101	104	75-125	3	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	3	20		
Boron	mg/L	ND	1	1	1.1	1.1	104	107	75-125	3	20		
Cadmium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	102	104	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.11	102	104	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.097	0.099	96	99	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.095	0.10	94	99	75-125	6	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	100	103	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	103	105	75-125	1	20		
Zinc	mg/L	ND	0.1	0.1	0.11	0.11	97	99	75-125	2	20		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

QC Batch:	44563	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	2629875001, 2629875002, 2629875003, 2629875004, 2629875005		

LABORATORY CONTROL SAMPLE: 204885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	84-108	

SAMPLE DUPLICATE: 204886

Parameter	Units	2629872001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	305	303	1	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 44628 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 2629875006, 2629875007, 2629875008, 2629875009, 2629875010, 2629875011, 2629875012, 2629875013, 2629875014, 2629875015

LABORATORY CONTROL SAMPLE: 205087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	425	106	84-108	

SAMPLE DUPLICATE: 205088

Parameter	Units	2629907005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	13.0	143	10	D6

SAMPLE DUPLICATE: 205089

Parameter	Units	2629875012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	147	141	4	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

QC Batch: 44652 Analysis Method: SM 2540C
 QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
 Associated Lab Samples: 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022

LABORATORY CONTROL SAMPLE: 205165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	387	97	84-108	

SAMPLE DUPLICATE: 205166

Parameter	Units	2629938004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	231	188	21	10	D6

SAMPLE DUPLICATE: 205167

Parameter	Units	2630064013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1430	1420	0	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

QC Batch: 44706	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 2629875023	

LABORATORY CONTROL SAMPLE: 205508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	385	96	84-108	

SAMPLE DUPLICATE: 205509

Parameter	Units	2630143002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 205510

Parameter	Units	2630050002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	207	205	1	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 530342 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629875001, 2629875002, 2629875003, 2629875004, 2629875005

METHOD BLANK: 2832234 Matrix: Water
Associated Lab Samples: 2629875001, 2629875002, 2629875003, 2629875004, 2629875005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/15/20 00:34	
Fluoride	mg/L	ND	0.10	0.050	03/15/20 00:34	
Sulfate	mg/L	ND	1.0	0.50	03/15/20 00:34	

LABORATORY CONTROL SAMPLE: 2832235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.6	103	90-110	
Fluoride	mg/L	2.5	2.7	110	90-110	
Sulfate	mg/L	50	52.5	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2832236 2832237

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92469145020 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	2.1	50	50	50	52.2	55.5	100	107	90-110	6	10	
Fluoride	mg/L	0.46	2.5	2.5	2.5	3.1	3.2	104	110	90-110	5	10	
Sulfate	mg/L	8.2	50	50	50	58.4	61.5	100	107	90-110	5	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2832238 2832239

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629779009 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	7.4	50	50	50	58.1	58.4	101	102	90-110	0	10	
Fluoride	mg/L	0.069J	2.5	2.5	2.5	2.7	2.8	107	108	90-110	1	10	
Sulfate	mg/L	176	50	50	50	222	221	92	91	90-110	0	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 530793 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629875006, 2629875007, 2629875008, 2629875009, 2629875010, 2629875011

METHOD BLANK: 2834329 Matrix: Water
Associated Lab Samples: 2629875006, 2629875007, 2629875008, 2629875009, 2629875010, 2629875011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/17/20 10:58	
Fluoride	mg/L	ND	0.10	0.050	03/17/20 10:58	
Sulfate	mg/L	ND	1.0	0.50	03/17/20 10:58	

LABORATORY CONTROL SAMPLE: 2834330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	
Fluoride	mg/L	2.5	2.7	110	90-110	
Sulfate	mg/L	50	50.6	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2834331 2834332

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629967011 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	2.8	50	50	51.9	52.6	98	100	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	3.0	3.0	116	120	90-110	3	10	M1	
Sulfate	mg/L	15.1	50	50	63.2	64.0	96	98	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2834333 2834334

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2630017004 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	10.1	50	50	59.7	60.0	99	100	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	109	111	90-110	1	10	M1	
Sulfate	mg/L	89.3	50	50	126	126	74	74	90-110	0	10	M1	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 530795 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629875012, 2629875013, 2629875014, 2629875015, 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022

METHOD BLANK: 2834341 Matrix: Water
Associated Lab Samples: 2629875012, 2629875013, 2629875014, 2629875015, 2629875016, 2629875017, 2629875018, 2629875019, 2629875020, 2629875021, 2629875022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/17/20 18:18	
Fluoride	mg/L	ND	0.10	0.050	03/17/20 18:18	
Sulfate	mg/L	ND	1.0	0.50	03/17/20 18:18	

LABORATORY CONTROL SAMPLE: 2834342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.7	101	90-110	
Fluoride	mg/L	2.5	2.6	106	90-110	
Sulfate	mg/L	50	51.2	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2834343 2834344

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629875012 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	2.3	50	50	52.3	52.6	100	100	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	103	104	90-110	1	10		
Sulfate	mg/L	4.3	50	50	54.6	54.9	101	101	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2834345 2834346

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2629875022 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	ND	50	50	50.3	50.5	101	101	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.9	2.8	114	111	90-110	3	10 M1		
Sulfate	mg/L	ND	50	50	50.7	50.7	101	101	90-110	0	10		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

QC Batch: 531364 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 2629875023

METHOD BLANK: 2837011 Matrix: Water
Associated Lab Samples: 2629875023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/19/20 16:37	
Fluoride	mg/L	ND	0.10	0.050	03/19/20 16:37	
Sulfate	mg/L	ND	1.0	0.50	03/19/20 16:37	

LABORATORY CONTROL SAMPLE: 2837012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.5	97	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2837013 2837014

Parameter	Units	2630073003 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	ND	50	50	50.4	51.3	101	102	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	105	107	90-110	2	10	
Sulfate	mg/L	ND	50	50	50.6	51.4	101	103	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2837015 2837016

Parameter	Units	2630125015 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	1.3	50	50	51.9	52.8	101	103	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.7	104	107	90-110	2	10	
Sulfate	mg/L	2.1	50	50	53.3	54.2	102	104	90-110	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-GA Pace Analytical Services - Atlanta, GA

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2629875001	GWA-41				
2629875002	GWA-42				
2629875006	GWA-39RZ				
2629875007	GWA-39Z				
2629875008	GWA-40				
2629875009	GWA-41R				
2629875010	GWA-43				
2629875011	GWA-43R				
2629875012	GWC-47				
2629875013	GWC-47R				
2629875014	GWC-48				
2629875015	GWC-49Z				
2629875016	GWC-44				
2629875017	GWC-45				
2629875018	GWC-45R				
2629875019	GWC-46R				
2629875023	GWC-49R				
2629875001	GWA-41	EPA 3010A	44554	EPA 6010D	44569
2629875002	GWA-42	EPA 3010A	44554	EPA 6010D	44569
2629875003	FBL030620	EPA 3010A	44554	EPA 6010D	44569
2629875004	EQBL030620	EPA 3010A	44554	EPA 6010D	44569
2629875005	DUP-1	EPA 3010A	44554	EPA 6010D	44569
2629875006	GWA-39RZ	EPA 3010A	44703	EPA 6010D	44716
2629875007	GWA-39Z	EPA 3010A	44703	EPA 6010D	44716
2629875008	GWA-40	EPA 3010A	44703	EPA 6010D	44716
2629875009	GWA-41R	EPA 3010A	44703	EPA 6010D	44716
2629875010	GWA-43	EPA 3010A	44838	EPA 6010D	44858
2629875011	GWA-43R	EPA 3010A	44838	EPA 6010D	44858
2629875012	GWC-47	EPA 3010A	44838	EPA 6010D	44858
2629875013	GWC-47R	EPA 3010A	44838	EPA 6010D	44858
2629875014	GWC-48	EPA 3010A	44838	EPA 6010D	44858
2629875015	GWC-49Z	EPA 3010A	44838	EPA 6010D	44858
2629875016	GWC-44	EPA 3010A	44838	EPA 6010D	44858
2629875017	GWC-45	EPA 3010A	44838	EPA 6010D	44858
2629875018	GWC-45R	EPA 3010A	44838	EPA 6010D	44858
2629875019	GWC-46R	EPA 3010A	44838	EPA 6010D	44858
2629875020	DUP-2	EPA 3010A	44838	EPA 6010D	44858
2629875021	FBL031020	EPA 3010A	44838	EPA 6010D	44858
2629875022	EQBL031020	EPA 3010A	44838	EPA 6010D	44858
2629875023	GWC-49R	EPA 3010A	44863	EPA 6010D	44867
2629875001	GWA-41	EPA 3005A	44555	EPA 6020B	44562
2629875002	GWA-42	EPA 3005A	44617	EPA 6020B	44630
2629875003	FBL030620	EPA 3005A	44617	EPA 6020B	44630
2629875004	EQBL030620	EPA 3005A	44617	EPA 6020B	44630
2629875005	DUP-1	EPA 3005A	44617	EPA 6020B	44630
2629875006	GWA-39RZ	EPA 3005A	44617	EPA 6020B	44630

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 9 & 10

Pace Project No.: 2629875

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2629875007	GWA-39Z	EPA 3005A	44617	EPA 6020B	44630
2629875008	GWA-40	EPA 3005A	44679	EPA 6020B	44684
2629875009	GWA-41R	EPA 3005A	44679	EPA 6020B	44684
2629875010	GWA-43	EPA 3005A	44679	EPA 6020B	44684
2629875011	GWA-43R	EPA 3005A	44679	EPA 6020B	44684
2629875012	GWC-47	EPA 3005A	44679	EPA 6020B	44684
2629875013	GWC-47R	EPA 3005A	44679	EPA 6020B	44684
2629875014	GWC-48	EPA 3005A	44679	EPA 6020B	44684
2629875015	GWC-49Z	EPA 3005A	44679	EPA 6020B	44684
2629875016	GWC-44	EPA 3005A	44679	EPA 6020B	44684
2629875017	GWC-45	EPA 3005A	44679	EPA 6020B	44684
2629875018	GWC-45R	EPA 3005A	44679	EPA 6020B	44684
2629875019	GWC-46R	EPA 3005A	44679	EPA 6020B	44684
2629875020	DUP-2	EPA 3005A	44679	EPA 6020B	44684
2629875021	FBL031020	EPA 3005A	44679	EPA 6020B	44684
2629875022	EQBL031020	EPA 3005A	44679	EPA 6020B	44684
2629875023	GWC-49R	EPA 3005A	44725	EPA 6020B	44728
2629875001	GWA-41	EPA 7470A	44498	EPA 7470A	44524
2629875002	GWA-42	EPA 7470A	44498	EPA 7470A	44524
2629875003	FBL030620	EPA 7470A	44498	EPA 7470A	44524
2629875004	EQBL030620	EPA 7470A	44498	EPA 7470A	44524
2629875005	DUP-1	EPA 7470A	44498	EPA 7470A	44524
2629875006	GWA-39RZ	EPA 7470A	44687	EPA 7470A	44691
2629875007	GWA-39Z	EPA 7470A	44687	EPA 7470A	44691
2629875008	GWA-40	EPA 7470A	44687	EPA 7470A	44691
2629875009	GWA-41R	EPA 7470A	44687	EPA 7470A	44691
2629875010	GWA-43	EPA 7470A	44687	EPA 7470A	44691
2629875011	GWA-43R	EPA 7470A	44687	EPA 7470A	44691
2629875012	GWC-47	EPA 7470A	44687	EPA 7470A	44691
2629875013	GWC-47R	EPA 7470A	44687	EPA 7470A	44691
2629875014	GWC-48	EPA 7470A	44687	EPA 7470A	44691
2629875015	GWC-49Z	EPA 7470A	44687	EPA 7470A	44691
2629875016	GWC-44	EPA 7470A	44687	EPA 7470A	44691
2629875017	GWC-45	EPA 7470A	44687	EPA 7470A	44691
2629875018	GWC-45R	EPA 7470A	44687	EPA 7470A	44691
2629875019	GWC-46R	EPA 7470A	44687	EPA 7470A	44691
2629875020	DUP-2	EPA 7470A	44687	EPA 7470A	44691
2629875021	FBL031020	EPA 7470A	44687	EPA 7470A	44691
2629875022	EQBL031020	EPA 7470A	44687	EPA 7470A	44691
2629875023	GWC-49R	EPA 7470A	44687	EPA 7470A	44691
2629875001	GWA-41	SM 2540C	44563		
2629875002	GWA-42	SM 2540C	44563		
2629875003	FBL030620	SM 2540C	44563		
2629875004	EQBL030620	SM 2540C	44563		
2629875005	DUP-1	SM 2540C	44563		
2629875006	GWA-39RZ	SM 2540C	44628		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 9 & 10
Pace Project No.: 2629875

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2629875007	GWA-39Z	SM 2540C	44628		
2629875008	GWA-40	SM 2540C	44628		
2629875009	GWA-41R	SM 2540C	44628		
2629875010	GWA-43	SM 2540C	44628		
2629875011	GWA-43R	SM 2540C	44628		
2629875012	GWC-47	SM 2540C	44628		
2629875013	GWC-47R	SM 2540C	44628		
2629875014	GWC-48	SM 2540C	44628		
2629875015	GWC-49Z	SM 2540C	44628		
2629875016	GWC-44	SM 2540C	44652		
2629875017	GWC-45	SM 2540C	44652		
2629875018	GWC-45R	SM 2540C	44652		
2629875019	GWC-46R	SM 2540C	44652		
2629875020	DUP-2	SM 2540C	44652		
2629875021	FBL031020	SM 2540C	44652		
2629875022	EQBL031020	SM 2540C	44652		
2629875023	GWC-49R	SM 2540C	44706		
2629875001	GWA-41	EPA 300.0 Rev 2.1 1993	530342		
2629875002	GWA-42	EPA 300.0 Rev 2.1 1993	530342		
2629875003	FBL030620	EPA 300.0 Rev 2.1 1993	530342		
2629875004	EQBL030620	EPA 300.0 Rev 2.1 1993	530342		
2629875005	DUP-1	EPA 300.0 Rev 2.1 1993	530342		
2629875006	GWA-39RZ	EPA 300.0 Rev 2.1 1993	530793		
2629875007	GWA-39Z	EPA 300.0 Rev 2.1 1993	530793		
2629875008	GWA-40	EPA 300.0 Rev 2.1 1993	530793		
2629875009	GWA-41R	EPA 300.0 Rev 2.1 1993	530793		
2629875010	GWA-43	EPA 300.0 Rev 2.1 1993	530793		
2629875011	GWA-43R	EPA 300.0 Rev 2.1 1993	530793		
2629875012	GWC-47	EPA 300.0 Rev 2.1 1993	530795		
2629875013	GWC-47R	EPA 300.0 Rev 2.1 1993	530795		
2629875014	GWC-48	EPA 300.0 Rev 2.1 1993	530795		
2629875015	GWC-49Z	EPA 300.0 Rev 2.1 1993	530795		
2629875016	GWC-44	EPA 300.0 Rev 2.1 1993	530795		
2629875017	GWC-45	EPA 300.0 Rev 2.1 1993	530795		
2629875018	GWC-45R	EPA 300.0 Rev 2.1 1993	530795		
2629875019	GWC-46R	EPA 300.0 Rev 2.1 1993	530795		
2629875020	DUP-2	EPA 300.0 Rev 2.1 1993	530795		
2629875021	FBL031020	EPA 300.0 Rev 2.1 1993	530795		
2629875022	EQBL031020	EPA 300.0 Rev 2.1 1993	530795		
2629875023	GWC-49R	EPA 300.0 Rev 2.1 1993	531364		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed.

W0# : 2629875



2629875

Section A
Client Information:

Company: Georgia Power
Address: 1003 Weatherstone Parkway
City: Marietta, GA 30188
Phone: (678) 948-9415
Fax: (678) 948-9415
Email: kevin.stephenson@ge.com

Section B
Requested Project Information:

Report To: Kevin Stephenson
Copy To: [Signature]
Purchase Order #: [Blank]
Project Name: Plant Bowen Cells 1&2
Project #:

Section C
Invoice Information:

Company Name:
Address:
Pace Quote:
Pace Project Manager: kevin.hornig@pacelabs.com
Pace Profile #:

GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9/.)	MATRIX CODE (see valid codes to left)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)						
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other					
3	GWC-10	WT				3									X							
4	GWE-18R	WT				2									X							
5	GWC-4	WT				1									X							
6	GWC-11R	WT				3									X							
7	GWC-12	WT				1									X							
8	GWE-18	WT				1									X							
9	GWC-13RZ	WT				1									X							
10	GWC-14Z	WT				1									X							
11	GWE-46R	WT				1									X							
2	GWC-4Z	WT				1									X							
3	GWA-50	WT				2									X							
4	GWA-50R	WT				2									X							

ADDITIONAL COMMENTS: Relinquished by AFFILIATION

ACCEPTED BY AFFILIATION

DATE TIME

DATE TIME

SAMPLE CONDITIONS

5:00

5:57

5:40

TEMP In C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

PRINT Name of SAMPLER: [Signature]

SIGNATURE OF SAMPLER: [Signature]

DATE Signed: 3/17/20

Sample Condition Upon Receipt



Client Name: GA Power

Project # _____

WO#: **2629875**

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 391095257431

PM: KH

Due Date: 03/23/20

Custody Seal on Cooler/Box Present: Yes no Seals intact: Yes

CLIENT: 26-GA Power

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used 230

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Cooler Temperature 2.3

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 5/14/20 KH

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Data Evaluation Narrative

Project: Plant Bowen CCR Event # 14 Groundwater Detection Monitoring/

Semiannual State Design and Operation Permit Monitoring

Wood Project Number: 6122160287.2003.****

Site: Landfill Cells 1&2 - Plant Bowen, Georgia

Matrix: Groundwater

Pace SDG Nos: 2630125 & 2630143

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the CCR Event # 14 Groundwater Detection Monitoring Sampling and the Semiannual State Design and Operation (D&O) Permit sampling event conducted at Landfill Cells 1 & 2 at Plant Bowen, located in Cartersville, Georgia in September 2019 for Southern Company Services (SCS). The samples were collected and analyzed per the protocols presented in the Plant Bowen *Field Sampling Plan* (FSP), Revision 1, Update 3 (Amec Foster Wheeler, 2017). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory’s precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the “U” flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection; however, the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

Deliverables

The data package as submitted to Wood Environment & Infrastructure Solutions, Inc. (Wood) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6010D, SW6020B, SW7470A, EPA 300.0, and SM 2540C.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for CCR Appendix III metals and State D&O Permit metals by Method SW6020B, calcium by SW6010D, mercury by Method SW7470, anions (chloride, fluoride, and sulfate) by Method 300.0, and total dissolved solids (TDS) by Method SM 2540C.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and/or quality control (QC) samples:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
GWC-13	03/13/20	II	GWC-10R	03/12/20	II
GWC-14Z	03/13/20	II	GWC-11	03/12/20	II
GWC-15R	03/13/20	II	GWC-11R	03/12/20	II
GWC-15Z	03/13/20	II	GWC-12	03/12/20	II
GWA-1	03/11/20	II	GWC-5	03/16/20	II
GWA-2	03/11/20	II	GWC-8Z	03/16/20	II
GWA-2R	03/11/20	II	GWC-13RZ	03/17/20	II
GWA-3	03/11/20	II	<u>QC Samples</u>		
GWA-50	03/11/20	II	FBL031120	03/11/20	II
GWA-50R	03/11/20	II	EQBL031120	03/11/20	II
GWA-4RZ	03/12/20	II	DUP-1	03/11/20	II
GWC-6	03/12/20	II	FBL031220	03/12/20	II
GWC-6RZ	03/12/20	II	EQBL031220	03/12/20	II
GWC-7Z	03/12/20	II	DUP-2	03/12/20	II
GWC-8RR	03/12/20	II	FBL031320	03/13/20	II
GWC-9	03/12/20	II	EQBL031320	03/13/20	II
GWC-10	03/12/20	II	DUP-3	03/13/20	II

These samples were collected from Landfill Cells 1&2 on March 11-13, 2020 and March 16-17, 2020. Sample Dup-1 is a field duplicate of sample GWA-2R, Dup-2 is a field duplicate of sample GWC-11R, and Dup-3 is a field duplicate of sample GWC-15Z. Samples FBL031120, FBL031220, and FBL031320 are field blanks and samples EQBL031120, EQBL031220, and EQBL031320 are equipment blanks. Three equipment blanks were collected on different equipment used to sample the locations:

EQBL031120 collected on the nitrile gloves
EQBL031220 collected on the tubing
EQBL031320 collected on the bladder pump grab plate

The highest result of any detected analyte between the three equipment blanks was used to qualify associated sample results if necessary.

The analytical results for the metals, anions, and TDS data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Metals (SW6010D/6020B/SW7470A)

The samples were submitted to Pace for CCR Appendix III and State D&O Permit metals by Method SW6010D, SW6020B and/or mercury by SW7470A. The CCR Appendix III metals are: boron (B) and calcium (Ca). The State D&O Permit metals are: antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), vanadium (V), and zinc (Zn). Each of the Level II components were within QC limits except for method, field and equipment blank contamination. MS recoveries were outside QC limits for one metal however, no qualification was applied.

Holding Times

The sample analyses were performed within the 6-month and 28-day (for mercury) analysis holding times.

Method Blanks

The method blanks associated with the samples analyzed within this SDG contained antimony, chromium, and zinc at a concentration between the MDL and the RL. Results less than five times the blank are considered not detected as a possible laboratory artifact: **Reason Code: BL**.

Action: The positive antimony, chromium and zinc results less than five times the method blank were qualified as not detected due to possible blank contamination and flagged "U".*

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Batch MS/MSD analyses for metals were performed on samples GWC-13, GWC-15Z, GWA-50R, GWC-7Z, and DUP-1 and the MS recoveries in samples GWC-15Z and GWC-7Z were outside of QC limits for calcium.

Action: No flags were applied; the parent sample result was greater than 4x the spike amount and corresponding MSD percent recoveries and RPDs were within QC limits.

Post Digestion Spike (PDS)

A PDS analysis was not available for review.

Field Duplicate Precision

Three field duplicate sample pairs were collected with this SDG, and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. The field blanks were reported with detections of chromium, nickel, and zinc; however, method blank contamination resulted in the qualification of chromium and/or zinc in the field blanks. Therefore, the field blanks do not qualify as a representative determinant of chromium and zinc contamination. Equipment blank samples EQBL031120, EQBL031220 and EQBL031320 contained one or more of the following analytes: chromium, copper and zinc. All of the equipment blanks in Cells 1 & 2 contained concentrations of chromium and zinc and were qualified due to method blank contamination in their respective SDG. Therefore, the equipment blanks in Cells 1 & 2 do not qualify as representative determinants of field and sampling accuracy for chromium and zinc. Results less than five times the field and/or equipment blank are considered "not detected" as a possible field artifact. **Reason Code: BE, BF:**

Action: No qualification was applied to chromium and zinc results based on field or equipment blanks due to method blank contamination; the blank results were flagged "U". The positive copper and nickel results less than five times the method blank were qualified as not detected due to possible blank contamination and flagged "U*".*

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Methods SW6020B and SW7470A. The laboratory RL was elevated where dilutions were required to place the constituent within the calibration range. None of the samples in this SDG required dilution.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator.

Total and Dissolved Metals Comparison

If total and dissolved metals samples were collected, comparison of the total and dissolved results can aid in the representativeness of the total metals value versus the metals that may be associated with suspended solids and metals actually dissolved within the water column. The dissolved metals results should be less than or equal to the total metals concentration for positive results greater than 5 times the RL. No total and dissolved samples were collected and reported in this SDG.

Anions (EPA 300.0)

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300.0. Each of the Level II components were within the QC limits with the exception of blank contamination.

Holding Times

The sample analyses were performed within the 28-day analysis holding times.

Method Blanks

The method blank associated with the samples analyzed in this SDG contained no reportable detections of anions.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The batch MS/MSD for anions was performed sample GWC-6 and FBL031120 and the percent recoveries and RPDs were within QC limits.

Field Duplicate Precision

Three field duplicate sample pairs were collected with this SDG, and the RPDs were within QC limits with the following exception: the RPD was outside of QC limits for sulfate in the GWC-11R/DUP-2 pair.

Action: No qualification of the sulfate results because the results were less than 5x the RL and were flagged as not detected due to blank contamination "U".*

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. The field and equipment blanks were reported with detections of sulfate and fluoride. Results less than five times the field and/or equipment blank are considered "not detected" as a possible field artifact. **Reason Code: BE, BF:**

Action: The positive sulfate and fluoride results less than five times the method blank were qualified as not detected due to possible blank contamination and flagged "U".*

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300 and no samples required dilutions; therefore, RLs were met for this project. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator.

TDS (SM 2540C)

The samples were submitted to Pace for TDS by Method SM 2540C. Each of the Level II components were within the QC limits with the exception of field duplicate precision.

Holding Times

The sample analyses were performed within the 7-day analysis holding times.

Method Blanks

The analytical method does not require the analysis of a method blank.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Field Duplicate Precision

Three field duplicate samples were collected with these SDGs, and the RPDs were within QC limits with the following exceptions: the GWA-2R/DUP-1 and GWC-15Z/DUP-3 pairs were outside of the RPD QC limit for TDS due to analyst error (see the attached communication from Pace).

Action: The TDS results for samples GWA-2R, DUP-1, GWC-15Z, and DUP-3 were qualified as estimated and flagged "J".

Laboratory Duplicate Precision

The laboratory analyzed a duplicate sample of GWC-11, FBL031120 and Dup-2 and the RPDs were within QC limits indicating good method precision.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

The field and equipment blanks associated with the samples in this SDG did not contain TDS.

Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM 2540C and no samples required dilutions; therefore, RLs were met for this project. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory, however no TDS results were reported between the MDL and RL.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan and validation SOPs. No professional judgment was used to modify flags for results reported in samples presented in this SDG.

Completeness

A total of 24 wells, along with the required QC samples, were sampled and analyzed during the March event in Landfill Cells 1&2 according to the FSP (Amec Foster Wheeler, 2017). The 24 well locations along with field and equipment blank samples were reported in this SDG and were sampled and analyzed as scoped.

Therefore, both field and analytical completeness calculated for this SDG was 100%.

References

Amec Foster Wheeler, 2017. *Field Sampling Plan – Plant Bowen*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), Revision 1, Update 3, October 16, 2017.

USEPA, 2014. *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: JPM 04/14/20

Checked by/Date: JAH 04/15/20

Revised by/Date: DWK 05/13/20

**TABLE 1
SUMMARY OF DATA QUALIFIERS**

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP
SAMPLING DATE: March 11-13, 2020 and March 16-17, 2020
Plant Bowen Landfill Cells 1 & 2: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
EQBL-031120	Equipment Blank	EB	2630143	6020B	chromium	0.00092	J	U*	BL	mg/L
EQBL-031120	Equipment Blank	EB	2630143	6020B	zinc	0.0028	J	U*	BL	mg/L
EQBL-031220	Equipment Blank	EB	2630143	6020B	chromium	0.00077	J	U*	BL	mg/L
EQBL-031220	Equipment Blank	EB	2630143	6020B	copper	0.00019	J	J	--	mg/L
EQBL-031220	Equipment Blank	EB	2630143	6020B	zinc	0.0027	J	U*	BL	mg/L
EQBL-031320	Equipment Blank	EB	2630143	300.0	sulfate	0.065	J	J	--	mg/L
EQBL-031320	Equipment Blank	EB	2630143	6020B	chromium	0.001	J	U*	BL	mg/L
EQBL-031320	Equipment Blank	EB	2630143	6020B	zinc	0.0033	J	U*	BL	mg/L
FBL-031120	Field Blank	FB	2630143	6020B	chromium	0.002	J	U*	BL	mg/L
FBL-031120	Field Blank	FB	2630143	6020B	nickel	0.00081	J	J	--	mg/L
FBL-031120	Field Blank	FB	2630143	6020B	zinc	0.0024	J	U*	BL	mg/L
FBL-031220	Field Blank	FB	2630143	300.0	sulfate	0.99	J	J	--	mg/L
FBL-031220	Field Blank	FB	2630143	6020B	chromium	0.0026	J	U*	BL	mg/L
FBL-031220	Field Blank	FB	2630143	6020B	zinc	0.0027	J	U*	BL	mg/L
FBL-031320	Field Blank	FB	2630143	300.0	fluoride	0.16	J	J	--	mg/L
FBL-031320	Field Blank	FB	2630143	6020B	zinc	0.0022	J	U*	BL	mg/L
GWA-1	GWA-1	N	2630125	300.0	fluoride	0.052	J	U*	BE, BF	mg/L
GWA-1	GWA-1	N	2630125	300.0	sulfate	0.94	J	U*	BE, BF	mg/L
GWA-1	GWA-1	N	2630125	6020B	antimony	0.00079	J	U*	BL	mg/L
GWA-1	GWA-1	N	2630125	6020B	arsenic	0.00088	J	J	--	mg/L
GWA-1	GWA-1	N	2630125	6020B	chromium	0.0012	J	U*	BL	mg/L
GWA-1	GWA-1	N	2630125	6020B	cobalt	0.00037	J	J	--	mg/L
GWA-1	GWA-1	N	2630125	6020B	nickel	0.00068	J	U*	BF	mg/L
GWA-1	GWA-1	N	2630125	6020B	zinc	0.0035	J	U*	BL	mg/L
GWA-2	GWA-2	N	2630125	6020B	boron	0.0068	J	J	--	mg/L
GWA-2	GWA-2	N	2630125	6020B	chromium	0.0025	J	U*	BL	mg/L
GWA-2	GWA-2	N	2630125	6020B	copper	0.002	J	U*	BE	mg/L
GWA-2	GWA-2	N	2630125	6020B	nickel	0.0014	J	U*	BF	mg/L
GWA-2	GWA-2	N	2630125	6020B	selenium	0.0021	J	J	--	mg/L
GWA-2	GWA-2	N	2630125	6020B	zinc	0.0028	J	U*	BL	mg/L
GWA-2R	GWA-2R	N	2630125	300.0	chloride	0.6	J	J	--	mg/L
GWA-2R	GWA-2R	N	2630125	300.0	fluoride	0.052	J	U*	BE, BF	mg/L
GWA-2R	GWA-2R	N	2630125	2540C	total dissolved solids	170		J	FD	mg/L
GWA-2R	GWA-2R	N	2630125	6020B	antimony	0.002	J	J	--	mg/L
GWA-2R	GWA-2R	N	2630125	300.0	arsenic	0.00044	J	J	--	mg/L
GWA-2R	GWA-2R	N	2630125	6020B	boron	0.017	J	J	--	mg/L
GWA-2R	GWA-2R	N	2630125	6020B	chromium	0.0042	J	U*	BL	mg/L
GWA-2R	GWA-2R	N	2630125	6020B	copper	0.0011	J	J	--	mg/L
GWA-2R	GWA-2R	N	2630125	6020B	lead	0.000058	J	J	--	mg/L
GWA-2R	GWA-2R	N	2630125	6020B	nickel	0.002	J	U*	BF	mg/L
GWA-2R	GWA-2R	N	2630125	6020B	vanadium	0.00084	J	J	--	mg/L
GWA-2R	GWA-2R	N	2630125	6020B	zinc	0.0038	J	U*	BL	mg/L

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SAMPLING DATE: March 11-13, 2020 and March 16-17, 2020
Plant Bowen Landfill Cells 1 & 2: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
DUP-1	GWA-2R	FD	2630125	300.0	chloride	0.67	J	J	--	mg/L
DUP-1	GWA-2R	FD	2630125	300.0	fluoride	0.057	J	U*	BE, BF	mg/L
DUP-1	GWA-2R	FD	2630125	2540C	total dissolved solids	249		J	FD	mg/L
DUP-1	GWA-2R	FD	2630125	6020B	antimony	0.002	J	J	--	mg/L
DUP-1	GWA-2R	FD	2630125	6020B	boron	0.022	J	J	--	mg/L
DUP-1	GWA-2R	FD	2630125	6020B	chromium	0.0014	J	U*	BL	mg/L
DUP-1	GWA-2R	FD	2630125	6020B	copper	0.00095	J	U*	BE	mg/L
DUP-1	GWA-2R	FD	2630125	6020B	lead	0.000051	J	J	--	mg/L
DUP-1	GWA-2R	FD	2630125	6020B	nickel	0.00032	J	U*	BF	mg/L
DUP-1	GWA-2R	FD	2630125	6020B	thallium	0.000076	J	J	--	mg/L
DUP-1	GWA-2R	FD	2630125	6020B	zinc	0.0033	J	J	--	mg/L
GWA-3	GWA-3	N	2630125	6020B	barium	0.0041	J	J	--	mg/L
GWA-3	GWA-3	N	2630125	6020B	boron	0.0071	J	J	--	mg/L
GWA-3	GWA-3	N	2630125	6020B	chromium	0.00095	J	U*	BL	mg/L
GWA-3	GWA-3	N	2630125	6020B	cobalt	0.00041	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	2630125	300.0	fluoride	0.18	J	U*	BE, BF	mg/L
GWA-4RZ	GWA-4RZ	N	2630125	6020B	antimony	0.0017	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	2630125	6020B	arsenic	0.0033	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	2630125	6020B	boron	0.014	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	2630125	6020B	copper	0.0002	J	U*	BE	mg/L
GWA-4RZ	GWA-4RZ	N	2630125	6020B	nickel	0.00034	J	U*	BF	mg/L
GWA-4RZ	GWA-4RZ	N	2630125	6020B	zinc	0.0027	J	U*	BE, BF	mg/L
GWA-50	GWA-50	N	2630125	300.0	chloride	0.91	J	J	--	mg/L
GWA-50	GWA-50	N	2630125	6020B	antimony	0.005	J	J	--	mg/L
GWA-50	GWA-50	N	2630125	6020B	barium	0.0077	J	J	--	mg/L
GWA-50	GWA-50	N	2630125	6020B	boron	0.0063	J	J	--	mg/L
GWA-50	GWA-50	N	2630125	6020B	chromium	0.0011	J	U*	BL	mg/L
GWA-50	GWA-50	N	2630125	6020B	copper	0.0026	J	J	--	mg/L
GWA-50	GWA-50	N	2630125	6020B	nickel	0.00084	J	U*	BF	mg/L
GWA-50	GWA-50	N	2630125	6020B	silver	0.00039	J	J	--	mg/L
GWA-50	GWA-50	N	2630125	300.0	zinc	0.0025	J	U*	BE, BF	mg/L
GWA-50R	GWA-50R	N	2630125	300.0	chloride	0.73	J	J	--	mg/L
GWA-50R	GWA-50R	N	2630125	300.0	sulfate	0.85	J	U*	BE, BF	mg/L
GWA-50R	GWA-50R	N	2630125	6020B	barium	0.0095	J	J	--	mg/L
GWA-50R	GWA-50R	N	2630125	6020B	boron	0.007	J	J	--	mg/L
GWA-50R	GWA-50R	N	2630125	6020B	copper	0.0035	J	J	--	mg/L
GWA-50R	GWA-50R	N	2630125	6020B	nickel	0.001	J	U*	BF	mg/L
GWA-50R	GWA-50R	N	2630125	6020B	silver	0.0013	J	J	--	mg/L
GWA-50R	GWA-50R	N	2630125	6020B	thallium	0.000059	J	J	--	mg/L
GWA-50R	GWA-50R	N	2630125	6020B	zinc	0.0033	J	U*	BE, BF	mg/L
GWC-10	GWC-10	N	2630125	300.0	sulfate	1.3		U*	BE, BF	mg/L
GWC-10	GWC-10	N	2630125	6020B	beryllium	0.00017	J	J	--	mg/L

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SAMPLING DATE: March 11-13, 2020 and March 16-17, 2020
Plant Bowen Landfill Cells 1 & 2: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-10	GWC-10	N	2630125	6020B	chromium	0.00047	J	U*	BE, BF	mg/L
GWC-10	GWC-10	N	2630125	6020B	cobalt	0.0017	J	J	--	mg/L
GWC-10	GWC-10	N	2630125	6020B	nickel	0.0015	J	U*	BF	mg/L
GWC-10	GWC-10	N	2630125	6020B	zinc	0.0024	J	U*	BE, BF	mg/L
GWC-10R	GWC-10R	N	2630125	300.0	sulfate	0.99	J	U*	BE, BF	mg/L
GWC-10R	GWC-10R	N	2630125	6020B	boron	0.005	J	J	--	mg/L
GWC-10R	GWC-10R	N	2630125	6020B	nickel	0.00043	J	U*	BF	mg/L
GWC-10R	GWC-10R	N	2630125	6020B	thallium	0.000054	J	J	--	mg/L
GWC-10R	GWC-10R	N	2630125	6020B	zinc	0.0027	J	U*	BE, BF	mg/L
GWC-11	GWC-11	N	2630125	300.0	sulfate	1.8		U*	BE	mg/L
GWC-11	GWC-11	N	2630125	6020B	antimony	0.0013	J	J	--	mg/L
GWC-11	GWC-11	N	2630125	6020B	barium	0.0086	J	J	--	mg/L
GWC-11	GWC-11	N	2630125	6020B	chromium	0.00084	J	U*	BL	mg/L
GWC-11	GWC-11	N	2630125	6020B	copper	0.00023	J	U*	BE	mg/L
GWC-11	GWC-11	N	2630125	6020B	lead	0.000052	J	J	--	mg/L
GWC-11	GWC-11	N	2630125	6020B	zinc	0.0038	J	U*	BE, BF	mg/L
GWC-11R	GWC-11R	N	2630125	300.0	sulfate	1.5		U*	BE	mg/L
GWC-11R	GWC-11R	N	2630125	6020B	antimony	0.001	J	J	--	mg/L
GWC-11R	GWC-11R	N	2630125	300.0	arsenic	0.0012	J	J	--	mg/L
GWC-11R	GWC-11R	N	2630125	300.0	boron	0.0058	J	J	--	mg/L
GWC-11R	GWC-11R	N	2630125	6020B	chromium	0.0042	J	U*	BE, BF	mg/L
GWC-11R	GWC-11R	N	2630125	6020B	copper	0.00032	J	U*	BE	mg/L
GWC-11R	GWC-11R	N	2630125	6020B	lead	0.000046	J	J	--	mg/L
GWC-11R	GWC-11R	N	2630125	6020B	zinc	0.0053	J	U*	BE, BF	mg/L
DUP-2	GWC-11R	FD	2630125	300.0	sulfate	3.2		U*	BE	mg/L
DUP-2	GWC-11R	FD	2630125	6020B	antimony	0.0011	J	U*	BL	mg/L
DUP-2	GWC-11R	FD	2630125	6020B	arsenic	0.0012	J	J	--	mg/L
DUP-2	GWC-11R	FD	2630125	6020B	chromium	0.0048	J	U*	BL	mg/L
DUP-2	GWC-11R	FD	2630125	6020B	copper	0.00041	J	U*	BE	mg/L
DUP-2	GWC-11R	FD	2630125	6020B	lead	0.000052	J	J	--	mg/L
DUP-2	GWC-11R	FD	2630125	6020B	vanadium	0.001	J	J	--	mg/L
DUP-2	GWC-11R	FD	2630125	6020B	zinc	0.0053	J	U*	BL	mg/L
GWC-12	GWC-12	N	2630125	300.0	chloride	0.84	J	J	--	mg/L
GWC-12	GWC-12	N	2630125	6020B	cadmium	0.00089	J	J	--	mg/L
GWC-12	GWC-12	N	2630125	6020B	cobalt	0.0031	J	J	--	mg/L
GWC-12	GWC-12	N	2630125	6020B	nickel	0.0022	J	J	--	mg/L
GWC-13	GWC-13	N	2630125	6020B	antimony	0.0023	J	J	--	mg/L
GWC-13	GWC-13	N	2630125	6020B	arsenic	0.00096	J	J	--	mg/L
GWC-13	GWC-13	N	2630125	6020B	beryllium	0.00008	J	J	--	mg/L
GWC-13	GWC-13	N	2630125	6020B	boron	0.014	J	J	--	mg/L
GWC-13	GWC-13	N	2630125	6020B	chromium	0.0054	J	U*	BL	mg/L
GWC-13	GWC-13	N	2630125	6020B	copper	0.00033	J	U*	BE	mg/L

TABLE 1
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SAMPLE DELIVERY GROUP
SAMPLING DATE: March 11-13, 2020 and March 16-17, 2020
Plant Bowen Landfill Cells 1 & 2: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-13	GWC-13	N	2630125	6020B	lead	0.00013	J	J	--	mg/L
GWC-13	GWC-13	N	2630125	6020B	selenium	0.0019	J	J	--	mg/L
GWC-13	GWC-13	N	2630125	6020B	vanadium	0.002	J	J	--	mg/L
GWC-13	GWC-13	N	2630125	6020B	zinc	0.0043	J	J	BL	mg/L
GWC-13RZ	GWC-13RZ	N	2630125	300.0	fluoride	0.11	J	U*	BE, BF	mg/L
GWC-13RZ	GWC-13RZ	N	2630125	6020B	antimony	0.009	J	U*	BL	mg/L
GWC-13RZ	GWC-13RZ	N	2630125	6020B	arsenic	0.00067	J	J	--	mg/L
GWC-13RZ	GWC-13RZ	N	2630125	6020B	boron	0.017	J	J	--	mg/L
GWC-13RZ	GWC-13RZ	N	2630125	6020B	chromium	0.002	J	U*	BE, BF	mg/L
GWC-13RZ	GWC-13RZ	N	2630125	6020B	copper	0.00045	J	U*	BE	mg/L
GWC-13RZ	GWC-13RZ	N	2630125	6020B	nickel	0.00082	J	U*	BF	mg/L
GWC-13RZ	GWC-13RZ	N	2630125	6020B	zinc	0.0057	J	U*	BL	mg/L
GWC-14Z	GWC-14Z	N	2630125	6020B	antimony	0.00053	J	U*	BL	mg/L
GWC-14Z	GWC-14Z	N	2630125	6020B	beryllium	0.00016	J	J	--	mg/L
GWC-14Z	GWC-14Z	N	2630125	6020B	boron	0.0081	J	J	--	mg/L
GWC-14Z	GWC-14Z	N	2630125	6020B	chromium	0.00093	J	U*	BL	mg/L
GWC-14Z	GWC-14Z	N	2630125	6020B	nickel	0.00078	J	U*	BF	mg/L
GWC-14Z	GWC-14Z	N	2630125	6020B	selenium	0.0016	J	J	--	mg/L
GWC-14Z	GWC-14Z	N	2630125	6020B	zinc	0.0028	J	U*	BL	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	antimony	0.00056	J	U*	BL	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	arsenic	0.00047	J	J	--	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	boron	0.0064	J	J	--	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	chromium	0.0011	J	U*	BL	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	copper	0.00029	J	U*	BE	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	lead	0.00037	J	J	--	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	nickel	0.00072	J	U*	BF	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	vanadium	0.00077	J	J	--	mg/L
GWC-15R	GWC-15R	N	2630125	6020B	zinc	0.0057	J	U*	BL	mg/L
GWC-15Z	GWC-15Z	N	2630125	300.0	chloride	0.7	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	2630125	300.0	sulfate	1.1		U*	BE, BF	mg/L
GWC-15Z	GWC-15Z	N	2630125	300.0	total dissolved solids	76		J	FD	mg/L
GWC-15Z	GWC-15Z	N	2630125	300.0	arsenic	0.00052	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	2630125	2540C	boron	0.0054	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	2630125	6020B	chromium	0.0012	J	U*	BL	mg/L
GWC-15Z	GWC-15Z	N	2630125	6020B	copper	0.0002	J	U*	BE	mg/L
GWC-15Z	GWC-15Z	N	2630125	6020B	lead	0.000048	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	2630125	6020B	vanadium	0.00095	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	2630125	6020B	zinc	0.0026	J	U*	BL	mg/L
DUP-3	GWC-15Z	FD	2630125	300.0	chloride	0.86	J	J	--	mg/L
DUP-3	GWC-15Z	FD	2630125	300.0	fluoride	0.4		U*	BE, BF	mg/L
DUP-3	GWC-15Z	FD	2630125	300.0	sulfate	1.2		U*	BE, BF	mg/L
DUP-3	GWC-15Z	FD	2630125	6020B	total dissolved solids	100		J	FD	mg/L

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SAMPLING DATE: March 11-13, 2020 and March 16-17, 2020
Plant Bowen Landfill Cells 1 & 2: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
DUP-3	GWC-15Z	FD	2630125	6020B	arsenic	0.00069	J	J	--	mg/L
DUP-3	GWC-15Z	FD	2630125	6020B	chromium	0.0012	J	U*	BL	mg/L
DUP-3	GWC-15Z	FD	2630125	6020B	lead	0.000073	J	J	--	mg/L
DUP-3	GWC-15Z	FD	2630125	6020B	vanadium	0.0011	J	J	--	mg/L
DUP-3	GWC-15Z	FD	2630125	6020B	zinc	0.0026	J	U*	BL	mg/L
GWC-5	GWC-5	N	2630125	300.0	chloride	0.67	J	J	--	mg/L
GWC-5	GWC-5	N	2630125	300.0	sulfate	1.1		U*	BE, BF	mg/L
GWC-5	GWC-5	N	2630125	6020B	antimony	0.00031	J	U*	BL	mg/L
GWC-5	GWC-5	N	2630125	6020B	beryllium	0.00048	J	J	--	mg/L
GWC-5	GWC-5	N	2630125	6020B	chromium	0.00078	J	U*	BE, BF	mg/L
GWC-5	GWC-5	N	2630125	6020B	cobalt	0.00031	J	J	--	mg/L
GWC-5	GWC-5	N	2630125	6020B	copper	0.012	J	J	--	mg/L
GWC-5	GWC-5	N	2630125	6020B	lead	0.000051	J	J	--	mg/L
GWC-6	GWC-6	N	2630125	300.0	sulfate	2.1	J	U*	BE, BF	mg/L
GWC-6	GWC-6	N	2630125	6020B	antimony	0.00052	J	J	--	mg/L
GWC-6	GWC-6	N	2630125	6020B	arsenic	0.00055	J	J	--	mg/L
GWC-6	GWC-6	N	2630125	6020B	barium	0.0075	J	J	--	mg/L
GWC-6	GWC-6	N	2630125	6020B	boron	0.0061	J	J	--	mg/L
GWC-6	GWC-6	N	2630125	6020B	chromium	0.0034	J	U*	BE, BF	mg/L
GWC-6	GWC-6	N	2630125	6020B	lead	0.0001	J	J	--	mg/L
GWC-6	GWC-6	N	2630125	6020B	zinc	0.0042	J	U*	BE, BF	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	300.0	sulfate	1.4	J	U*	BE, BF	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	6020B	antimony	0.0011	J	J	--	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	6020B	barium	0.0072	J	J	--	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	6020B	beryllium	0.000093	J	J	--	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	6020B	boron	0.0052	J	J	--	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	6020B	chromium	0.0028	J	U*	BE, BF	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	6020B	copper	0.00028	J	U*	BE	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	6020B	lead	0.00007	J	J	--	mg/L
GWC-6RZ	GWC-6RZ	N	2630125	6020B	zinc	0.0032	J	U*	BE, BF	mg/L
GWC-7Z	GWC-7Z	N	2630125	300.0	chloride	0.72	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	2630125	300.0	sulfate	1.7		U*	BE, BF	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	antimony	0.00066	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	arsenic	0.00044	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	boron	0.0057	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	chromium	0.0014	J	U*	BE, BF	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	cobalt	0.00031	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	copper	0.00021	J	U*	BE	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	lead	0.000082	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	nickel	0.00078	J	U*	BF	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	thallium	0.00022	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	2630125	6020B	zinc	0.0031	J	U*	BE, BF	mg/L

TABLE 1
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SAMPLE DELIVERY GROUP
SAMPLING DATE: March 11-13, 2020 and March 16-17, 2020
Plant Bowen Landfill Cells 1 & 2: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-8RR	GWC-8RR	N	2630125	300.0	chloride	0.93	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	2630125	300.0	sulfate	1.8		U*	BE, BF	mg/L
GWC-8RR	GWC-8RR	N	2630125	6020B	antimony	0.00043	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	2630125	6020B	arsenic	0.00039	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	2630125	6020B	chromium	0.0031	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	2630125	6020B	lead	0.000056	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	2630125	6020B	zinc	0.002	J	J	--	mg/L
GWC-8Z	GWC-8Z	N	2630125	300.0	sulfate	0.66	J	U*	BE, BF	mg/L
GWC-8Z	GWC-8Z	N	2630125	6020B	chromium	0.0015	J	U*	BE, BF	mg/L
GWC-8Z	GWC-8Z	N	2630125	6020B	copper	0.00024	J	U*	BE	mg/L
GWC-8Z	GWC-8Z	N	2630125	6020B	lead	0.00016	J	J	--	mg/L
GWC-8Z	GWC-8Z	N	2630125	6020B	nickel	0.0006	J	U*	BF	mg/L
GWC-8Z	GWC-8Z	N	2630125	6020B	zinc	0.0073	J	U*	BL	mg/L
GWC-9	GWC-9	N	2630125	300.0	sulfate	1.1		U*	BE, BF	mg/L
GWC-9	GWC-9	N	2630125	6020B	beryllium	0.00022	J	J	--	mg/L
GWC-9	GWC-9	N	2630125	6020B	boron	0.0058	J	J	--	mg/L
GWC-9	GWC-9	N	2630125	6020B	chromium	0.00045	J	U*	BE, BF	mg/L
GWC-9	GWC-9	N	2630125	6020B	cobalt	0.00044	J	J	--	mg/L
GWC-9	GWC-9	N	2630125	6020B	copper	0.00031	J	U*	BE	mg/L
GWC-9	GWC-9	N	2630125	6020B	lead	0.00016	J	J	--	mg/L
GWC-9	GWC-9	N	2630125	6020B	nickel	0.0011	J	U*	BF	mg/L
GWC-9	GWC-9	N	2630125	6020B	zinc	0.0045	J	U*	BE, BF	mg/L

Laboratory Qualifiers:

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Reason Codes:

BE = Equipment blank contamination. The result should be considered "not-detected".

BF = Field blank contamination. The result should be considered "not-detected".

BL = Laboratory blank contamination. The result should be considered "not-detected".

Validation Qualifiers:

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.

U* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Prepared by/Date: JPM 04/14/20

Checked by/Date: JAH 04/15/20

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 14 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Metals and Mercury by SW6010D/SW6020B/SW7470

Laboratory and Lot: Pace SDG: 2630125 & 2630143

Reviewer/Date: J. McIntyre 04/08/20 **Senior Reviewer/Date:** J. Hartness 04/15/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>
<input checked="" type="checkbox"/>			<p>Case Narrative and COC Completeness Review OK</p>
<input checked="" type="checkbox"/>			<p>Sample Preservation and cooler temperature met (HNO₃ to pH<2) OK, 3.0, 2.5 and 2.3°C</p>
<input checked="" type="checkbox"/>			<p>Holding times met (180 days; Hg = 28 days) Coll: 03/11/20-03/13/20, 03/16/20-03/17/20 Prep: metals – 03/18/20, 03/23/20-03/26/20 Hg – 03/23/20-03/24/20 Anal: metals: 03/24/20-03/27/20 Hg – 03/24/30, 03/26/20</p>
<input checked="" type="checkbox"/>			<p>QC Blanks Review <u>Method Blanks:</u> <u>SDG 2630125:</u> p. 40 MB 206281 Hg = ND p. 41 MB 206295 Hg = ND p. 42 MB 206570 Hg = ND p. 43-47 MBs (Ca only) 206317, 206402, 206473, 206477 and 206611 = ND p. 48 MB 205651 = Sb – 0.00029J x 5 = 0.00145, Cr – 0.0013J x 5 = 0.0065, Zn – 0.0018 J x 5 = 0.009 mg/L Assoc. Sb, Cr, and Zn results < 5x flagged "U*" results < RL become the MDL p. 50 MB 206398 metals = ND p. 48 MB 205651 = Sb – 0.00031J x 5 = 0.00155, Zn – 0.0019 J x 5 = 0.0095 mg/L Assoc. Sb and Zn results < 5x flagged "U*" results < RL become the MDL p. 54 MB 206699 = Cr – 0.0011J x 5 = 0.0055 Assoc. Cr results < 5x flagged "U*" results < RL become the MDL p. 56 MB 206954 = Cr – 0.00046J x 5 = 0.0023 Assoc. Cr results < 5x flagged "U*" results < RL become the MDL</p> <p><u>SDG 2630143:</u> p. 17 MB 206281 Hg = ND p. 18 MB (Ca only) 206402 = ND p. 19 MB 205651 = Sb – 0.00029J x 5 = 0.00145, Cr – 0.0013J x 5 = 0.0065, Zn – 0.0018 J x 5 = 0.009 mg/L Assoc. Cr, and Zn results < 5x flagged "U*" results < RL become the MDL. Sb results were ND. p. 21 MB 206699 = Cr – 0.0011J x 5 = 0.0055 Assoc. Cr results < 5x flagged "U*" results < RL become the MDL</p>

Metals and Mercury by SW6020B/SW7470 (cont.)

YES NO NA

COMMENTS

Equipment Blanks: (use highest result to apply flags)

EQBL-031120 = Cr= 0.00092J x5 = 0.0046 mg/L, Zn = 0.0028 x5 = 0.014mg/L

EQBL-031220 = Cr= 0.00077J x5 = 0.0039 mg/L, Cu = 0.00019J x5 = 0.001mg/L, Zn = 0.0027 x5 = 0.014mg/L

EQBL-031320 = Cr= 0.001J x5 = 0.005 mg/L, Zn = 0.0033 x5 = 0.017 mg/L

All EBs chromium and zinc results flagged "U*" due to MB contamination, No flags applied

Assoc. Cu results flagged U* due to EB contamination.

Field Blank:

FBL-031120 = Cr= 0.002J x5 = 0.01 mg/L, Ni = 0.00081J x5 = 0.0041mg/L, Zn = 0.0024 x5 = 0.012mg/L

FB chromium and zinc results flagged "U*" due to MB contamination, No flags applied. Assoc. Ni results flagged U*

FBL-031220 = Cr – 0.0026J x5 = 0.013 mg/L, Zn = 0.0027 x5 = 0.014mg/L

FB chromium and zinc results flagged "U*" due to MB contamination, No flags applied.

FBL-031320 = Zn = 0.0022 J x5 = 0.011 mg/L

FB zinc results flagged "U*" due to MB contamination, No flags applied

Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg = 80-120%)

SDG 2630125:

p. 40 LCS 206282 Hg = 102%

p. 41 LCS 206296 Hg = 98%

p. 42 LCS 206571 Hg = 106%

p. 43-47 LCSs (Ca only) 206318, 206403, 206474, 206478 and 206612 – All OK

p. 48 LCS 205652 metals = All OK

p. 49 LCS 206399 metals = All OK

p. 52 LCS 206539 metals = All OK

p. 54 LCS 206700 metals = All OK

p. 56 LCS 206955 metals = All OK

SDG 2630143:

p. 17 LCS 206282 Hg = 102%

p. 18 LCSs (Ca only) 206403 = 97%

p. 19 LCS 205652 metals = All OK

p. 21 LCS 206700 metals = All OK

Metals and Mercury by SW6020B/SW7470 (cont.)

YES NO NA

COMMENTS



Lab Duplicate - Field Duplicate precision goals met (20%)

p. 57 lab dup: non-project sample

	RL	GWA-2R	Dup-1	*Diff/RPD	GWC-11R	Dup-2	*Diff/RPD	GWC-15Z	Dup-3	*Diff/RPD
Sb	0.003	0.002J	0.002J	0	0.001J	0.0011J	0.0001	-	-	-
As	0.005	0.00044J	ND	0.00456	0.0012J	0.0012J	0	0.00052J	0.00069J	0.00016
Ba	0.01	0.027	0.027	0	0.021	0.02	4.9	0.014	0.014	0
B	0.04	0.017J	0.022J	0.005	0.0058J	ND	0.0342	0.0054J	ND	0.0346
Ca	1.0	46.8	47.2	0.9%	32.5	31.3	4	24.2	24.7	2.0
Cr	0.01	0.0042J	0.0014J	0.0028	0.0042J	0.0048J	0.0006	0.0012J	0.0012J	0
Cu	0.025	0.0011J	0.00095J	0.00015	0.00032J	0.00041J	0.00009	0.0002J	ND	0.0248
Pb	0.005	0.000058J	0.000051J	0.000007	0.000046J	0.000052J	0.000006	0.000048J	0.000073J	0.000025
Ni	0.01	0.002J	0.00032J	0.00168	-	-	-	-	-	-
Tl	0.001	ND	0.000076J	0.00092	-	-	-	-	-	-
V	0.01	0.00084J	ND	0.00916	ND	0.001	0.009	0.00095J	0.0011J	0.01
Zn	0.01	0.0038J	0.0033J	0.0005	0.0053J	0.0053J	0	0.0026J	0.0026J	0

**for results <RL, diff is <RL; OK*



Matrix Spike recoveries and RPDs within limits (75-125%, RPD 20)

SDG 2630125:

p. 40 (Hg) GWC-13 – 95, 104% RPD = 9 OK

p. 41-42 Hg non-project sample in this SDG

p. 43 Ca non-project sample

p. 44 (Ca) GWC-15Z **133**, 115% RPD = 1 No flags, MSD and RPD OK & result >4x spike amt.

p. 45 (Ca) GWC-7Z **62**, 113% RPD = 2 No flags, MSD and RPD OK & result >4x spike amt.

p. 46-47 Ca non-project sample

p. 49 metals, not a sample of this SDG.

p. 51 GWA-50R metals, All OK

p. 53, 55, 57 metals, not a sample of this SDG.

SDG 2630143:

p. 17 Hg non-project sample in this SDG

p. 18 Ca non-project sample in this SDG

p. 20 metals non-project sample in this SDG

p. 22 DUP-1 metals – All OK



Total metals vs dissolved metals within limits (RPD < 20% or diff. < RL)

No dissolved metals in this SDG



EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 14 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Anions (chloride, fluoride, sulfate) by EPA 300.0

Laboratory and Lot: Pace SDG: 2630125 & 2630143

Reviewer/Date: J. McIntyre 04/08/20 **Senior Reviewer/Date:** J. Hartness 04/15/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>
<input checked="" type="checkbox"/>			<p>Case Narrative and COC Completeness Review OK</p>
<input checked="" type="checkbox"/>			<p>Sample Preservation and cooler temperature met (Cool to 6°C) OK, 3.0, 2.5 and 2.3°C</p>
<input checked="" type="checkbox"/>			<p>Holding times met (Cl, SO₄, F – 28 days) Coll: 03/11/20-03/13/20, 03/16/20-03/17/20 Anal: 03/18/20-03/21/20</p>
<input checked="" type="checkbox"/>			<p>QC Blanks Review <u>Method Blanks:</u> <u>SDG 2630125:</u> p. 62 MB 2835530 = ND p. 63 MB 2837011 = ND p. 64 MB 2839333 = ND <u>SDG 2630143:</u> p. 27 MB 2835536 = ND p. 28 MB 2837032 = ND p. 29 MB 2838406 = ND p. 30 MB 2839333 = ND</p> <p><u>Equipment Blanks: (use highest result to apply flags)</u> EQBL-031120 = ND EQBL-031220 = sulfate – 1.2 x 5 = 6 mg/L Assoc results flagged U* co flag w/ FB EQBL-031320 = fluoride – 0.065 J x 5 = 0.325 mg/L Assoc results flagged U* co flag w/ FB</p> <p><u>Field Blank:</u> FBL-031120 = ND FBL-031220 = sulfate – 0.99 J x 5 = 4.95 mg/L FBL-031320 = fluoride – 0.16 J x 5 = 0.8 mg/L Dup-3 flagged U* co flag with EB</p>
<input checked="" type="checkbox"/>			<p>Laboratory Control Sample (LCS) recovery within limits (90-110%) <u>SDG 2630125:</u> p. 62 LCS 2835531 – All OK p. 63 LCS 2837012 – All OK p. 64 LCS 2839334 – All OK <u>SDG 2630143:</u> p. 27 LCS 2835537 – All OK p. 28 LCS 2837033 – All OK p. 29 LCS 2838407 – All Ok p. 30 LCS 2839334 – All OK</p>

Anions (chloride, fluoride, sulfate) by EPA 300.0 (cont.)

YES

NO

NA

COMMENTS

Lab Duplicate - Field Duplicate precision goals met (20%)

	GWA-2R	Dup-1	RPD	GWC-11R	Dup-2	RPD	GWC-15Z	Dup-3	RPD
Cl ⁻	0.6J	0.67J	-	1.5	1.5	0	0.7J	0.86J	NC
F ⁻	0.052J	0.057J	-	-	-	-	ND	0.4	ND
SO ₄	34.3	32.1	6.7	1.5	3.2	72.3%	1.1	1.2	8.7

No flags for sulfate for GWC-11R/DUP-2; already flagged for EB contamination – U* > and results below 5x RL

Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)

SDG 2630125:

p. 62, 64 non-project sample of this SDG

p. 63 GWC-6 – %Rec and RPD ok.

SDG 2630143:

p. 27-29 non-project samples in this SDG

p. 30 FBL031120 – All OK

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 14 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: TDS by SM 2540C

Laboratory and Lot: Pace SDG: 2630125 & 2630143

Reviewer/Date: J. McIntyre 04/08/20 **Senior Reviewer/Date:** J. Hartness 04/15/20

Revised/Date: D. Knaub 05/13/20

YES NO NA COMMENTS

 Case Narrative and COC Completeness Review
OK

 Sample Preservation and cooler temperature met (Cool to 6°C)
OK; 3.0, 2.5 and 2.3°C

 Holding times met (7 days)
Coll: 03/11/20-03/13/20, 03/16/20-03/17/20
Anal: 03/17/20-03/21/20

 QC Blanks Review
Method Blanks (not required for method)
Equipment Blanks:
EQBL031120 = ND
EQBL031220 = ND
EQBL031320 = ND
Field Blank:
FBL031120 TDS = ND
FBL031220 TDS = ND
FBL031320 TDS = ND

 Laboratory Control Sample (LCS) recovery within lab limits
SDG 2630125:
p. 58 LCS 205508 TDS = 96% - OK p. 59 LCS 205767 TDS = 91% - OK
p. 60 LCS 206142 TDS = 93% - OK p. 61 LCS 206250 TDS = 95% - OK
SDG 2630143
p. 23 LCS 205174 TDS = 108% - OK p. 24 LCS 205508 TDS = 96% - OK
p. 25 LCS 205767 TDS = 91% - OK p. 26 LCS 206142 TDS = 93% - OK

 Lab Duplicate - Field Duplicate precision goals met (20%)

	GWA-2R	Dup-1	RPD	GWC-11R	Dup-2	RPD	GWC-15Z	Dup-3	RPD
TDS	170	249	37.7%	125	103	19.2	76	100	27.3%

TDS results flagged J for GWA-2R/DUP-1 and GWC-15Z/DUP-3

**See the attached communication from Pace regarding high RPDs*

SDG 2630125 (lab Dups):

p. 58, 60-61 lab dups on non-project samples
p. 59 Lab dups performed on GWC-11 = RPDs OK

SDG 2630143 (lab Dups):

p. 23 Lab dups on non-project samples on this SDG
p. 24 Lab dups performed on FBL031120 = RPDs OK
p. 25 Lab dups performed on DUP-2 = RPDs OK

TDS by SM 2540C (cont.)

YES

NO

NA

COMMENTS

Matrix Spike recoveries and RPDs within limits (if applicable)

No MS/MSD on project sample(s) for TDS in this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)



May 8, 2020

Rhonda Quinn
Wood E&I Solutions, Inc. - Kennesaw
1075 Big Shanty RD NW Suite 100, Kennesaw, GA 30144

Dear Rhonda Quinn,

Pace Analytical Services, LLC is committed to providing high quality results and exemplary customer service to our clients. Pace Analytical was asked to investigate why our customer's field duplicate sample TDS and Sulfate precision is continually over 20%. See below table for examples provided.

	GWA-2R	Dup-1	RPD	GWC-11R	Dup-2	RPD	GWC-15Z	Dup-3	RPD
	Lab ID: 2630125010	Lab ID: 2630143001		Lab ID: 2630125022	Lab ID: 2630143004		Lab ID: 2630125004	Lab ID: 2630125005	
TDS	170	249	37%	125	103	19.2	76	100	29%

Pace Analytical Services investigated the %RPD issue into the Total Dissolved Solids (TDS) test. The investigation showed that the root cause was that the samples were not always well homogenized. Training was performed with all analysts who perform solids testing to demonstrate proper sample homogenization technique. Since the training was completed, five TDS batches were performed with no batch sample duplicate over 10%RPD showing that the analysts are homogenizing the samples well.

I confirmed that the lab is following the method and SOP in regards to repeating the drying, cooling and weighing cycle until the constant weight is achieved. Also, I confirmed that the results are being calculated correctly. It should be noted that the analysts do not manually calculate any results. This is done exclusively through software that the entire company of Pace Analytical uses and has been verified that the calculations are correct.

[0] 828-417-6052
Barr.Johnson@pacelabs.com
2225 Riverside Drive, Asheville, NC 28804



PACELABS.COM



Please do not hesitate to contact Kevin Herring or I if you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Barry Johnson".

Barry Johnson
Sr. Quality Assurance Manager

[0] 828-417-6052
Barr.Johnson@pacelabs.com
2225 Riverside Drive, Asheville, NC 28804



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Data Evaluation Narrative

Project: Plant Bowen CCR Event # 14 Groundwater Detection Monitoring/

Semiannual State Design and Operation Permit Monitoring

Wood Project Number: 6122160287.2003.****

Site: Landfill Cells 3&4 - Plant Bowen, Georgia

Matrix: Groundwater

Pace SDG No: 2629786

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the CCR Event # 14 Groundwater Detection Monitoring Sampling and the Semiannual State Design and Operation (D&O) Permit sampling event conducted at Landfill Cells 3 & 4 at Plant Bowen, located in Cartersville, Georgia in March 2020. The samples were collected and analyzed per the protocols presented in the Plant Bowen *Field Sampling Plan* (FSP), Revision 1, Update 3 (Amec Foster Wheeler, 2017). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory’s precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for, but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for, but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the “U” flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

Qualifier Unusable Data

- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed.
- UR The analyte was analyzed for, but was not detected above the level of the reported sample reporting or method detection; however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

Deliverables

The data package as submitted to Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly Amec Foster Wheeler) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6010D, SW6020B, SW7470A, EPA 300.0, and SM 2540C.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for CCR Appendix III metals and State D&O Permit metals by Method 6020B, calcium by Method SW6010D, mercury by Method SW7470, anions (chloride, fluoride, and sulfate) by Method 300.0, and total dissolved solids (TDS) by Method SM 2540C.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and quality control (QC) samples:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
GWA-51RZ	03/03/20	II	GWC-19R	03/04/20	II
GWA-54	03/03/20	II	GWC-17R	03/05/20	II
GWA-55	03/03/20	II	GWC-18R	03/05/20	II
GWC-21R	03/03/20	II	GWC-20R	03/05/20	II
GWC-22R	03/03/20	II	GWC-23R	03/05/20	II
GWC-24R	03/03/20	II	GWC-18	03/06/20	II
GWC-25R	03/03/20	II	SPRING	03/06/20	II
GWA-36	03/02/20	II	<u>QC Samples</u>		
GWA-36R	03/02/20	II	FBL030220	03/02/20	II
GWA-37	03/02/20	II	EQBL030220	03/02/20	II
GWA-38	03/02/20	II	DUP-1	03/02/20	II
GWA-52	03/02/20	II	FBL030420	03/04/20	II
GWA-53	03/04/20	II	EQBL030420	03/04/20	II
GWA-53R	03/04/20	II	DUP-2	03/04/20	II
GWA-55R	03/04/20	II	FBL030520	03/05/20	II
GWA-56	03/04/20	II	EQBL030520	03/05/20	II
GWC-16R	03/04/20	II	DUP-3	03/05/20	II

These samples were collected from Landfill Cells 3&4 on March 2, 2020 through March 6, 2020. Dup-1 is a field duplicate of GWA-52, Dup-2 is a field duplicate of GWA-55R and Dup-3 is a field duplicate of GWC-20R. Three field blanks and three equipment blanks were taken and submitted in this SDG. Equipment blanks were collected on different equipment used to sample the locations at Landfill Cells 3&4 and are listed below:

EQBL030220, collected on the nitrile gloves
EQBL030420, collected with the poly tubing
EQBL030520, collected on the grab plate

The highest result of any detected analyte between the three equipment blanks was used to qualify associated sample results if necessary.

The analytical results for the metals, anions, and TDS data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Metals (SW6010D/SW6020B/SW7470A)

The samples were submitted to Pace for CCR Appendix III and State D&O Permit metals by Method SW6010D, SW6020B and/or mercury by SW7470A. The CCR Appendix III metals are: boron (B) and calcium (Ca). The State D&O Permit metals are: antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), vanadium (V), and zinc (Zn). Each of the Level II components were within QC limits with the exception of method and equipment blank contamination.

Holding Times

The sample analyses were performed within the 6 month and 28-day (for mercury) analysis holding times.

Method Blanks

The method blank(s) associated with the samples analyzed within this SDG contained arsenic, boron, and chromium at concentrations between the MDL and the RL. Results less than five times the blank are considered not detected as a possible laboratory artifact: **Reason Code: BL**.

Action: The positive arsenic, boron, and chromium results less than five times the method blank were qualified as not detected due to possible blank contamination and flagged "U".*

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The batch MS/MSD analyses for metals and mercury were performed on DUP-1 and/or GWA-51RZ. The MS recovery was above the upper QC limit for calcium. **Reason Code: M+**

Action: No qualification was required; the sample results were greater than 4x the spike amount and the corresponding MSD recovery and RPD were within QC limits.

Post Digestion Spike (PDS)

PDS analysis results were not available for review.

Field Duplicate Precision

Three field duplicate pairs were submitted in this SDG and the RPD limits were met.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. Three field blanks were collected with these samples. One or more of the field blanks contained the following analytes: barium and zinc. Three equipment blanks were collected and submitted in this SDG. One or more of the equipment blanks contained the following analytes: barium, chromium, copper and zinc. Results less than five times the field and/or equipment blank are considered "not detected" as a possible field artifact: **Reason Code: BF, BE.**

Action: No qualification was applied to select chromium results based on equipment blanks due to method blank contamination; the blank results were flagged "U". The positive barium, copper and zinc results less than five times the equipment blank were qualified as not detected due to possible blank contamination and flagged "U*".*

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Method SW6020B and 7470A. Elevated RLs are present where dilutions were required to place the constituent within the calibration range; however, none of the samples in this SDG required dilution.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is retained by the data validator.

Total and Dissolved Metals Comparison

If total and dissolved metals samples were collected, comparison of the total and dissolved results can aid in the representativeness of the total metals value versus the metals that may be associated with suspended solids and metals actually dissolved within the water column. The dissolved metals results should be less than or equal to the total metals concentration for positive results greater than 5 times the RL. No dissolved samples were collected and reported in this SDG.

Anions (EPA 300.0)

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300.0. Each of the Level II components were within the QC limits with the exception of MS/MSD recoveries and field blank contamination.

Holding Times

The sample analyses were performed within the 28-day analysis holding times.

Method Blanks

The method blank associated with the samples analyzed in this SDG contained no reportable detections of anions.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The batch MS/MSD analyses for anions were performed on samples GWC-25R, GWA-36R, GWA-56, and FBL-030520. The MS recovery was below the lower QC limit for fluoride in GWA-36R and the MS/MSD recoveries were below the lower QC limit for sulfate in GWA-56 indicating a possible low bias. The MS recovery was above the upper QC limit for fluoride in FBL-030520 indicating a possible high bias. High bias only affects positive results. **Reason Code: M, M+, or M-**

Action: No qualification was required for GWA-36R fluoride results because the corresponding MSD recovery and RPD were in QC limits. No qualification was required for FBL-030520 fluoride results because the bias was high and the sample result was non-detect. The sulfate results for sample GWA-56 were flagged "J".

Field Duplicate Precision

Three field duplicate pairs were submitted in this SDG and the RPD limits were met.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Three field blanks were collected with these samples and one field blank contained sulfate. Three equipment blanks were collected and submitted in this SDG and did not contain anions. Results less than five times the field blank are considered "not detected" as a possible field artifact: **Reason Code: BF.**

Action: The positive sulfate results less than five times the field blank were qualified as not detected due to possible blank contamination and flagged "U".*

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300 and no samples required dilutions; therefore, RLs were met for this project. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory, however no anion results were reported between the MDL and RL.

TDS (SM 2540C)

The samples were submitted to Pace for TDS by Method SM 2540C. Each of the Level II components were within the QC limits with the exception of holding time exceedance and equipment blank contamination. No qualification was applied due to equipment blank contamination.

Holding Times

The sample analyses were performed within the 7-day analysis holding time.

Method Blanks

The analytical method does not require the analysis of a method blank.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Field Duplicate Precision

Three field duplicate pairs were submitted in this SDG and the RPD limits were met.

Sampling Accuracy (Equipment Rinse Blanks, Field Blanks)

The equipment blanks in this SDG did not contain TDS. One of the three field blanks associated with the samples of this SDG contained TDS; however, no qualification was applied.

Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM 2540C and no samples required dilutions; therefore, RLs were met for this project. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory, however no TDS results were reported between the MDL and RL.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan and validation SOPs.

Completeness

A total of 23 wells and one spring location, along with the required QC samples, were sampled and analyzed during the March event in Landfill Cells 3&4 according to the FSP (Amec Foster Wheeler, 2017). The 23 wells and one spring location were reported in this SDG and were sampled and analyzed as scoped.

Therefore, both field and analytical completeness calculated for this SDG was 100%.

References

Amec Foster Wheeler, 2017. *Field Sampling Plan – Plant Bowen*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), Revision 1, Update 3, October 16, 2017.

USEPA, 2014. *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: JPM 04/06/20

Checked By/Date: JAH 04/14/20

TABLE 1
SUMMARY OF DATA QUALIFIERS

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629786
SAMPLING DATE: March 2-6, 2020
Plant Bowen Landfill Cells 3 & 4: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
EQBL-030220	Equipment Blank	EB	2629786	6020B	barium	0.0018	J	J	--	mg/L
EQBL-030220	Equipment Blank	EB	2629786	6020B	chromium	0.00049	J	J	--	mg/L
EQBL-030220	Equipment Blank	EB	2629786	6020B	copper	0.00019	J	J	--	mg/L
EQBL-030220	Equipment Blank	EB	2629786	6020B	zinc	0.0031	J	J	--	mg/L
EQBL-030420	Equipment Blank	EB	2629786	6020B	barium	0.0018	J	J	--	mg/L
EQBL-030420	Equipment Blank	EB	2629786	6020B	chromium	0.00046	J	J	--	mg/L
EQBL-030420	Equipment Blank	EB	2629786	6020B	zinc	0.0022	J	J	--	mg/L
EQBL-030520	Equipment Blank	EB	2629786	6020B	zinc	0.0022	J	J	--	mg/L
FBL-030220	Field Blank	FB	2629786	6020B	barium	0.0018	J	J	--	mg/L
FBL-030220	Field Blank	FB	2629786	6020B	zinc	0.0027	J	J	--	mg/L
FBL-030420	Field Blank	FB	2629786	6020B	barium	0.0018	J	J	--	mg/L
FBL-030420	Field Blank	FB	2629786	6020B	zinc	0.0023	J	J	--	mg/L
FBL-030520	Field Blank	FB	2629786	E300.0	Sulfate	0.55	J	J	--	mg/L
GWA-36	GWA-36	N	2629786	6020B	beryllium	0.00024	J	J	--	mg/L
GWA-36	GWA-36	N	2629786	6020B	boron	0.01	J	J	--	mg/L
GWA-36	GWA-36	N	2629786	6020B	cadmium	0.0012	J	J	--	mg/L
GWA-36	GWA-36	N	2629786	6020B	lead	0.000052	J	J	--	mg/L
GWA-36	GWA-36	N	2629786	6020B	nickel	0.00071	J	J	--	mg/L
GWA-36R	GWA-36R	N	2629786	6020B	beryllium	0.00015	J	J	--	mg/L
GWA-36R	GWA-36R	N	2629786	6020B	boron	0.014	J	J	--	mg/L
GWA-36R	GWA-36R	N	2629786	6020B	cadmium	0.00018	J	J	--	mg/L
GWA-36R	GWA-36R	N	2629786	6020B	chromium	0.00047	J	U*	BE	mg/L
GWA-36R	GWA-36R	N	2629786	6020B	copper	0.00043	J	U*	BE	mg/L
GWA-36R	GWA-36R	N	2629786	6020B	lead	0.00031	J	J	--	mg/L
GWA-36R	GWA-36R	N	2629786	6020B	nickel	0.00051	J	J	--	mg/L
GWA-37	GWA-37	N	2629786	E300.0	chloride	0.78	J	J	--	mg/L
GWA-37	GWA-37	N	2629786	6010D	calcium	0.77	J	J	--	mg/L
GWA-37	GWA-37	N	2629786	6020B	antimony	0.0018	J	J	--	mg/L
GWA-37	GWA-37	N	2629786	6020B	arsenic	0.00053	J, B	U*	BL	mg/L
GWA-37	GWA-37	N	2629786	6020B	barium	0.005	J	U*	BE, BF	mg/L
GWA-37	GWA-37	N	2629786	6020B	boron	0.0052	J	J	--	mg/L
GWA-37	GWA-37	N	2629786	6020B	copper	0.0068	J	J	--	mg/L
GWA-37	GWA-37	N	2629786	6020B	nickel	0.0079	J	J	--	mg/L
GWA-37	GWA-37	N	2629786	6020B	vanadium	0.00074	J	J	--	mg/L
GWA-37	GWA-37	N	2629786	6020B	zinc	0.0063	J	U*	BE, BF	mg/L
GWA-38	GWA-38	N	2629786	300.0	sulfate	0.5	J	U*	BF	mg/L
GWA-38	GWA-38	N	2629786	6020B	arsenic	0.00059	J, B	U*	BL	mg/L
GWA-38	GWA-38	N	2629786	6020B	chromium	0.0014	J	U*	BE	mg/L
GWA-38	GWA-38	N	2629786	6020B	cobalt	0.0011	J	J	--	mg/L
GWA-38	GWA-38	N	2629786	6020B	copper	0.00019	J	U*	BE	mg/L
GWA-38	GWA-38	N	2629786	6020B	nickel	0.001	J	J	--	mg/L
GWA-38	GWA-38	N	2629786	6020B	vanadium	0.0014	J	J	--	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629786
SAMPLING DATE: March 2-6, 2020
Plant Bowen Landfill Cells 3 & 4: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWA-38	GWA-38	N	2629786	6020B	zinc	0.0032	J	U*	BE, BF	mg/L
GWA-51RZ	GWA-51RZ	N	2629786	6020B	arsenic	0.00073	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	2629786	6020B	boron	0.0096	J, B	U*	BL	mg/L
GWA-51RZ	GWA-51RZ	N	2629786	6020B	copper	0.00041	J	U*	BE	mg/L
GWA-51RZ	GWA-51RZ	N	2629786	6020B	lead	0.000051	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	2629786	6020B	selenium	0.0053	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	2629786	6020B	thallium	0.00012	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	2629786	6020B	vanadium	0.00091	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	2629786	6020B	zinc	0.0035	J	U*	BE, BF	mg/L
GWA-52	GWA-52	N	2629786	6020B	boron	0.007	J	J	--	mg/L
GWA-52	GWA-52	N	2629786	6020B	chromium	0.0011	J	U*	BE	mg/L
GWA-52	GWA-52	N	2629786	6020B	copper	0.00024	J	U*	BE	mg/L
GWA-52	GWA-52	N	2629786	6020B	zinc	0.0024	J	U*	BE, BF	mg/L
DUP-1	GWA-52	FD	2629786	6020B	boron	0.0079	J	J	--	mg/L
DUP-1	GWA-52	FD	2629786	6020B	chromium	0.0011	J	U*	BE	mg/L
DUP-1	GWA-52	FD	2629786	6020B	copper	0.00036	J	U*	BE	mg/L
DUP-1	GWA-52	FD	2629786	6020B	thallium	0.000092	J	J	--	mg/L
DUP-1	GWA-52	FD	2629786	6020B	zinc	0.0017	J	U*	BE, BF	mg/L
GWA-53	GWA-53	N	2629786	E300.0	sulfate	1.5		U*	BF	mg/L
GWA-53	GWA-53	N	2629786	6020B	antimony	0.0019	J	J	--	mg/L
GWA-53	GWA-53	N	2629786	6020B	arsenic	0.00044	J	J	--	mg/L
GWA-53	GWA-53	N	2629786	6020B	boron	0.0064	J	J	--	mg/L
GWA-53	GWA-53	N	2629786	6020B	chromium	0.00076	J	U*	BE	mg/L
GWA-53	GWA-53	N	2629786	6020B	copper	0.00053	J	U*	BE	mg/L
GWA-53	GWA-53	N	2629786	6020B	lead	0.00016	J	J	--	mg/L
GWA-53	GWA-53	N	2629786	6020B	zinc	0.004	J	U*	BE, BF	mg/L
GWA-53R	GWA-53R	N	2629786	E300.0	sulfate	1.7		U*	BF	mg/L
GWA-53R	GWA-53R	N	2629786	6020B	antimony	0.00053	J	J	--	mg/L
GWA-53R	GWA-53R	N	2629786	6020B	arsenic	0.00043	J	J	--	mg/L
GWA-53R	GWA-53R	N	2629786	6020B	chromium	0.0012	J	U*	BE	mg/L
GWA-53R	GWA-53R	N	2629786	6020B	lead	0.000066	J	J	--	mg/L
GWA-53R	GWA-53R	N	2629786	6020B	zinc	0.0027	J	U*	BE, BF	mg/L
GWA-54	GWA-54	N	2629786	E300.0	chloride	0.77	J	J	--	mg/L
GWA-54	GWA-54	N	2629786	E300.0	sulfate	1.7		U*	BF	mg/L
GWA-54	GWA-54	N	2629786	6020B	antimony	0.0011	J	J	--	mg/L
GWA-54	GWA-54	N	2629786	6020B	boron	0.0084	J, B	U*	BL	mg/L
GWA-54	GWA-54	N	2629786	6020B	chromium	0.0017	J, B	U*	BL, BE	mg/L
GWA-54	GWA-54	N	2629786	6020B	copper	0.00025	J	U*	BE	mg/L
GWA-54	GWA-54	N	2629786	6020B	lead	0.000048	J	J	--	mg/L
GWA-54	GWA-54	N	2629786	6020B	thallium	0.000079	J	J	--	mg/L
GWA-54	GWA-54	N	2629786	6020B	zinc	0.0024	J	U*	BE, BF	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629786
SAMPLING DATE: March 2-6, 2020
Plant Bowen Landfill Cells 3 & 4: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWA-55	GWA-55	N	2629786	6020B	boron	0.01	J, B	U*	BL	mg/L
GWA-55	GWA-55	N	2629786	6020B	chromium	0.00085	J, B	U*	BL, BE	mg/L
GWA-55	GWA-55	N	2629786	6020B	cobalt	0.0048	J	J	--	mg/L
GWA-55	GWA-55	N	2629786	6020B	lead	0.000048	J	J	--	mg/L
GWA-55	GWA-55	N	2629786	6020B	nickel	0.00061	J	J	--	mg/L
GWA-55	GWA-55	N	2629786	6020B	selenium	0.0025	J	J	--	mg/L
GWA-55	GWA-55	N	2629786	6020B	thallium	0.000065	J	J	--	mg/L
GWA-55	GWA-55	N	2629786	6020B	zinc	0.005	J	U*	BE, BF	mg/L
GWA-55R	GWA-55R	N	2629786	6020B	boron	0.0063	J	J	--	mg/L
GWA-55R	GWA-55R	N	2629786	6020B	chromium	0.090079	J	U*	BE	mg/L
GWA-55R	GWA-55R	N	2629786	6020B	selenium	0.0018	J	J	--	mg/L
GWA-55R	GWA-55R	N	2629786	6020B	zinc	0.0028	J	U*	BE, BF	mg/L
DUP-2	GWA-55R	FD	2629786	6020B	boron	0.0052	J	J	--	mg/L
DUP-2	GWA-55R	FD	2629786	6020B	chromium	0.00072	J	U*	BE	mg/L
DUP-2	GWA-55R	FD	2629786	6020B	zinc	0.0026	J	U*	BE, BF	mg/L
GWA-56	GWA-56	N	2629786	E300.0	fluoride	0.086	J	J	--	mg/L
GWA-56	GWA-56	N	2629786	E300.0	Sulfate	69.4		J	M-	mg/L
GWA-56	GWA-56	N	2629786	6020B	arsenic	0.0004	J	J	--	mg/L
GWA-56	GWA-56	N	2629786	6020B	boron	0.022	J	J	--	mg/L
GWA-56	GWA-56	N	2629786	6020B	copper	0.0003	J	U*	BE	mg/L
GWA-56	GWA-56	N	2629786	6020B	lead	0.00005	J	J	--	mg/L
GWA-56	GWA-56	N	2629786	6020B	zinc	0.0029	J	U*	BE, BF	mg/L
GWC-16R	GWC-16R	N	2629786	E300.0	chloride	0.79	J	J	--	mg/L
GWC-16R	GWC-16R	N	2629786	E300.0	fluoride	0.29	J	J	--	mg/L
GWC-16R	GWC-16R	N	2629786	6020B	arsenic	0.00088	J	J	--	mg/L
GWC-16R	GWC-16R	N	2629786	6020B	boron	0.027	J	J	--	mg/L
GWC-16R	GWC-16R	N	2629786	6020B	chromium	0.0014	J	U*	BE	mg/L
GWC-16R	GWC-16R	N	2629786	6020B	copper	0.0024	J	J	--	mg/L
GWC-16R	GWC-16R	N	2629786	6020B	nickel	0.0032	J	J	--	mg/L
GWC-16R	GWC-16R	N	2629786	6020B	thallium	0.00014	J	J	--	mg/L
GWC-16R	GWC-16R	N	2629786	6020B	vanadium	0.0023	J	J	--	mg/L
GWC-16R	GWC-16R	N	2629786	6020B	zinc	0.015		U*	BE, BF	mg/L
GWC-17R	GWC-17R	N	2629786	6020B	chromium	0.00063	J	U*	BE	mg/L
GWC-17R	GWC-17R	N	2629786	6020B	copper	0.00023	J	U*	BE	mg/L
GWC-17R	GWC-17R	N	2629786	6020B	zinc	0.0035	J	U*	BE, BF	mg/L
GWC-18	GWC-18	N	2629786	6020B	antimony	0.00049	J	J	--	mg/L
GWC-18	GWC-18	N	2629786	6020B	chromium	0.0019	J	U*	BE	mg/L
GWC-18	GWC-18	N	2629786	6020B	copper	0.00023	J	U*	BE	mg/L
GWC-18	GWC-18	N	2629786	6020B	lead	0.00013	J	J	--	mg/L
GWC-18	GWC-18	N	2629786	6020B	nickel	0.0005	J	J	--	mg/L
GWC-18	GWC-18	N	2629786	6020B	thallium	0.000076	J	J	--	mg/L
GWC-18	GWC-18	N	2629786	6020B	zinc	0.0045	J	U*	BE, BF	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629786
SAMPLING DATE: March 2-6, 2020
Plant Bowen Landfill Cells 3 & 4: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-18R	GWC-18R	N	2629786	E300.0	sulfate	1.9		U*	BF	mg/L
GWC-18R	GWC-18R	N	2629786	6020B	antimony	0.00068	J	J	--	mg/L
GWC-18R	GWC-18R	N	2629786	6020B	arsenic	0.00042	J	J	--	mg/L
GWC-18R	GWC-18R	N	2629786	6020B	beryllium	0.00013	J	J	--	mg/L
GWC-18R	GWC-18R	N	2629786	6020B	chromium	0.0007	J	U*	BE	mg/L
GWC-18R	GWC-18R	N	2629786	6020B	lead	0.00032	J	J	--	mg/L
GWC-18R	GWC-18R	N	2629786	6020B	zinc	0.0024	J	U*	BE, BF	mg/L
GWC-19R	GWC-19R	N	2629786	6020B	arsenic	0.00072	J	J	--	mg/L
GWC-19R	GWC-19R	N	2629786	6020B	beryllium	0.00013	J	J	--	mg/L
GWC-19R	GWC-19R	N	2629786	6020B	chromium	0.001	J	U*	BE	mg/L
GWC-19R	GWC-19R	N	2629786	6020B	copper	0.00036	J	U*	BE	mg/L
GWC-19R	GWC-19R	N	2629786	6020B	lead	0.0003	J	J	--	mg/L
GWC-19R	GWC-19R	N	2629786	6020B	nickel	0.00071	J	J	--	mg/L
GWC-19R	GWC-19R	N	2629786	6020B	vanadium	0.00096	J	J	--	mg/L
GWC-19R	GWC-19R	N	2629786	6020B	zinc	0.0072	J	U*	BE, BF	mg/L
GWC-20R	GWC-20R	N	2629786	E300.0	Sulfate	1.1		U*	BF	mg/L
GWC-20R	GWC-20R	N	2629786	6020B	chromium	0.00075	J	U*	BE	mg/L
GWC-20R	GWC-20R	N	2629786	6020B	zinc	0.0023	J	U*	BE, BF	mg/L
DUP-3	GWC-20R	FD	2629786	E300.0	Sulfate	1.2		U*	BF	mg/L
DUP-3	GWC-20R	FD	2629786	6020B	arsenic	0.004	J	J	--	mg/L
DUP-3	GWC-20R	FD	2629786	6020B	chromium	0.0016	J	U*	BE	mg/L
DUP-3	GWC-20R	FD	2629786	6020B	zinc	0.002	J	U*	BE, BF	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	antimony	0.0019	J	J	--	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	arsenic	0.0015	J	J	--	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	boron	0.0096	J, B	U*	BL	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	chromium	0.00058	J, B	U*	BL, BE	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	copper	0.00049	J	U*	BE	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	nickel	0.00099	J	J	--	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	thallium	0.000071	J	J	--	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	vanadium	0.00085	J	J	--	mg/L
GWC-21R	GWC-21R	N	2629786	6020B	zinc	0.0044	J	U*	BE, BF	mg/L
GWC-22R	GWC-22R	N	2629786	E300.0	Sulfate	1.7		U*	BF	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	arsenic	0.0014	J	J	--	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	boron	0.0066	J, B	U*	BL	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	chromium	0.00057	J, B	U*	BL, BE	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	cobalt	0.00078	J	J	--	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	copper	0.00022	J	U*	BE	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	lead	0.000059	J	J	--	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	nickel	0.001	J	J	--	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	thallium	0.000072	J	J	--	mg/L
GWC-22R	GWC-22R	N	2629786	6020B	zinc	0.0029	J	U*	BE, BF	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629786
SAMPLING DATE: March 2-6, 2020
Plant Bowen Landfill Cells 3 & 4: Event 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-23R	GWC-23R	N	2629786	6020B	chromium	0.00086	J	U*	BE	mg/L
GWC-23R	GWC-23R	N	2629786	6020B	copper	0.0003	J	U*	BE	mg/L
GWC-23R	GWC-23R	N	2629786	6020B	lead	0.000052	J	J	--	mg/L
GWC-23R	GWC-23R	N	2629786	6020B	nickel	0.00075	J	J	--	mg/L
GWC-23R	GWC-23R	N	2629786	6020B	thallium	0.00018	J	J	--	mg/L
GWC-23R	GWC-23R	N	2629786	6020B	vanadium	0.00071	J	J	--	mg/L
GWC-23R	GWC-23R	N	2629786	6020B	zinc	0.0084	J	U*	BE, BF	mg/L
GWC-24R	GWC-24R	N	2629786	E300.0	Sulfate	2		U*	BF	mg/L
GWC-24R	GWC-24R	N	2629786	6020B	chromium	0.00052	J, B	U*	BL, BE	mg/L
GWC-24R	GWC-24R	N	2629786	6020B	copper	0.00097	J	U*	BE	mg/L
GWC-24R	GWC-24R	N	2629786	6020B	lead	0.000057	J	J	--	mg/L
GWC-24R	GWC-24R	N	2629786	6020B	vanadium	0.0011	J	J	--	mg/L
GWC-24R	GWC-24R	N	2629786	6020B	zinc	0.0013	J	U*	BE, BF	mg/L
GWC-25R	GWC-25R	N	2629786	E300.0	Sulfate	1.6		U*	BF	mg/L
GWC-25R	GWC-25R	N	2629786	6020B	chromium	0.00078	J, B	U*	BL, BE	mg/L
GWC-25R	GWC-25R	N	2629786	6020B	copper	0.00027	J	U*	BE	mg/L
GWC-25R	GWC-25R	N	2629786	6020B	lead	0.000059	J	J	--	mg/L
GWC-25R	GWC-25R	N	2629786	6020B	zinc	0.0027	J	U*	BE, BF	mg/L
SPRING	SPRING	N	2629786	6020B	arsenic	0.00041	J	J	--	mg/L
SPRING	SPRING	N	2629786	6020B	boron	0.0082	J	J	--	mg/L
SPRING	SPRING	N	2629786	6020B	chromium	0.0033	J	J	--	mg/L
SPRING	SPRING	N	2629786	6020B	cobalt	0.00051	J	J	--	mg/L
SPRING	SPRING	N	2629786	6020B	copper	0.0015	J	J	--	mg/L
SPRING	SPRING	N	2629786	6020B	lead	0.00071	J	J	--	mg/L
SPRING	SPRING	N	2629786	6020B	nickel	0.0014	J	J	--	mg/L
SPRING	SPRING	N	2629786	6020B	vanadium	0.0032	J	J	--	mg/L
SPRING	SPRING	N	2629786	6020B	zinc	0.0064	J	U*	BE, BF	mg/L

Laboratory Qualifiers:

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Reason Codes:

BE = Equipment blank contamination. The result should be considered "not-detected".

BF = Field blank contamination. The result should be considered "not-detected".

BL = Laboratory blank contamination. The result should be considered "not-detected".

M- = MS and MSD recoveries outside acceptance limits. The result may be biased low.

Validation Qualifiers:

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.

U* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Prepared by/Date: JPM 04/08/20

Checked by/Date: JAH 04/14/20

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 14 – Semiannual State D&O Permit Event

Project No: 6122160287.2003 ****

Method: Metals and Mercury by SW6010D/SW6020B/SW7470

Laboratory and Lot: Pace SDG: 2629786

Reviewer/Date: J. McIntyre 04/03/20 **Senior Reviewer/Date:** J. Hartness 04/14/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>
<input checked="" type="checkbox"/>			<p>Case Narrative and COC Completeness Review OK</p>
<input checked="" type="checkbox"/>			<p>Sample Preservation and cooler temperature met (HNO₃ to pH<2) OK, 2.0°C</p>
<input checked="" type="checkbox"/>			<p>Holding times met (180 days; Hg = 28 days) Coll: 03/02/20-03/06/20 Prep: metals: 03/10/20, 03/11/20, 03/13/20 Anal: metals: 03/11/20, 03/16/20 Prep: Ca only: 03/10/20, 03/11/20 Anal: Ca only: 03/11/20, 03/13/20, 03/18/20 Prep Hg: 03/10/20-03/12/20 Anal Hg: 03/10/20, 03/12/20, 03/13/20</p>
	<input checked="" type="checkbox"/>		<p>QC Blanks Review <u>Method Blanks:</u> <u>Mercury (Hg):</u> p. 51 MB 203479 (3/10/20) Hg = ND p. 52 MB 203797 (3/12/20) Hg = ND p. 53 MB 203801 (3/12/20) Hg = ND p. 54 MB 204276 (3/13/20) Hg = ND <u>Calcium (Ca):</u> p. 55 MB 203829 (03/11/20) Ca = ND p. 56 MB 204090 (03/18/20) Ca = ND p. 57 MB 204097 (03/13/20) Ca = ND <u>Metals:</u> p. 58 MB 203914 = B – 0.0084J x 5 = 0.042, Cr – 0.00054J x 5 = 0.0027 Assoc B and Cr results flagged U* p. 60 MB 204143 = As – 0.00036J x 5 = 0.0018 Assoc As results flagged U* p. 62 MB 204815 = ND</p>

Metals and Mercury by SW6020B/SW7470 (cont.)

YES NO NA

COMMENTS

QC Blanks Review (cont.)

Field Blanks: (highest results bolded in red, orange is tied)

FBL-030220 | Ba – 0.0018J x 5 = **0.009** mg/L, Zn – 0.0027J x **0.014** mg/L

Assoc. Ba and Zn results <5x EB blank result flagged *U. Co-flag with EB

FBL-030420 | Ba – 0.0018J x 5 = **0.009** mg/L, Zn – 0.0023J x **0.012** mg/L

Assoc. Zn results <5x EB blank result flagged *U. Co-flag with EB

Ba results >5x blank

FBL-030520 | All ND

No flags applied based on these FBs.

Equipment Blanks: (highest results bolded in red, orange is tied)

EQBL-030220 | Ba – 0.0018J x 5 = **0.009** mg/L, Cr – 0.00049J x 5 = **0.0025** mg/L,

Cu – 0.00019J x 5 = **0.001** mg/L, Zn – 0.0031J x **0.016** mg/L

Ba, Cr, Cu and Zn results <5x EB blank result flagged *U. Select Cr results flagged "U*" due to MB contamination - No flags applied

EQBL-030420 | Ba – 0.0018J x 5 = **0.009** mg/L, Cr – 0.00046J x 5 = 0.0023 mg/L,

Zn – 0.0022J x 0.011 mg/L

No flags applied based on this EB.

EQBL-030520 | Zn – 0.0022J x 0.011 mg/L

No flags applied based on this EB.

Laboratory Control Sample (LCS) recovery within limits

(Metals 70-130%, Hg = 80-120%)

p. 51 LCS 203480 Hg = 99%

p. 52 LCS 203798 Hg = 96%

p. 53 LCS 203802 Hg = 104%

p. 54 LCS 204277 Hg = 105%

p. 55 LCS 203830 Ca = 105%

p. 56 LCS 204091 Ca = 99%

p. 57 LCS 204098 Ca = 103%

p. 58 LCS 203915 metals = All OK

p. 60 LCS 204144 metals = All OK

p. 62 LCS 204816 metals = All OK

Lab Duplicate - Field Duplicate precision goals met (20%)

	RL	GWA-52	Dup-1	*Diff/RPD	GWA-55R	Dup-2	*Diff/RPD	GWC-20R	Dup-3	*Diff/RPD
Ba	0.01	0.023	0.021	9%	0.029	0.029	0	0.028	0.029	3.5
B	0.04	0.007J	0.0079J	0.0009	0.0063J	0.0052J	0.0011	-	-	-
Ca	1.0	33.7	33.4	0.9%	39.9	41	2.7	38.9	39.2	0.8
Cr	0.01	0.0011J	0.0011J	0	0.00079J	0.00072J	0.00007	0.00075J	0.0016J	0.00085
Se	0.01	-	-	-	0.0018J	ND	0.0082	-	-	-
Cu	0.025	0.00024J	0.00036J	0.00012	-	-	-	-	-	-
Tl	0.001	ND	0.000092J	0.000908	-	-	-	-	-	-
Zn	0.01	0.0024J	0.0017J	0.0007	0.0028J	0.0026J	0.0002	0.0023J	0.002J	0.0001

*for results <RL, diff must be <RL

Metals and Mercury by SW6020B/SW7470 (cont.)

YES NO NA

COMMENTS

Matrix Spike recoveries and RPDs within limits (75-125%, RPD 20)

Hg:

p. 51 GWA-51RZ Hg: 98, 101% RPD 4% OK

p. 52 non-project sample (2629703020) – OK

p. 53 non-project sample (2629828005) – OK

p. 54 non-project sample (2629701014) – OK

Ca:

p. 55 non-project sample (2629765005) – Ca = 137, 108% RPD = 1

No flags on non-project samples; result > 4x spike and analyzed at a dilution.

p. 56 non-project sample (2629733017) – OK

p. 57 DUP-1 Ca = 192, 97% RPD = 3

No flags; result > 4x spike and MSD and RPD OK.

Metals:

p. 59 GWA-51RZ metals: All OK

p. 61 non-project sample (2629733015) – OK

p. 63 DUP-1 metals: All OK

Total metals vs dissolved metals within limits (RPD < 20% or diff. < RL)

No dissolved metals in this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

Anions (chloride, fluoride, sulfate) by EPA 300.0 (cont.)

YES	NO	NA	COMMENTS
	<input checked="" type="checkbox"/>		<p>Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20) p. 69 non-project samples (2629703013 & 2629703023) p. 70 GWC-25R, recovery & RPDs OK; non-project sample (2629765002) p. 71 non-project samples (92468702015 & 2629733011) p. 72 GWA-36R, F⁻ = 88, 91% RPD = 3, <i>No flag; MSD & RPD ok.</i> GWA-56 SO₄=81, 82% RPD = 1 <i>result flagged J.</i> p. 73 FBL030520, F⁻ = 116, 106% RPD = 9, <i>No flag; sample = ND and MSD & RPD ok</i> Non-project (92468666022) p. 74 non-project samples (92466735001)</p>
	<input checked="" type="checkbox"/>		<p>EDD Data Verification vs. Hardcopy (10% samples for each SDG)</p>

TDS by SM 2540C (cont.)

YES NO NA

COMMENTS

Matrix Spike recoveries and RPDs within limits (if applicable)
None for TDS

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

Data Evaluation Narrative

**Project: Plant Bowen CCR Event # 14 Groundwater Detection Monitoring/
Semiannual State Design and Operation Permit Monitoring**

Wood Project Number: 6122160287.2003.****

Site: Landfill Cells 9 & 10 - Plant Bowen, Georgia

Matrix: Groundwater

Pace SDG No: 2629875

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the CCR Event # 14 Groundwater Detection Monitoring Sampling Event and the Semiannual State Design and Operation (D&O) Permit sampling event conducted at Landfill Cells 9 & 10 at Plant Bowen, located in Cartersville, Georgia in March 2020. The samples were collected and analyzed per the protocols presented in the Plant Bowen *Field Sampling Plan (FSP)*, Revision 1, Update 3 (Amec Foster Wheeler, 2017). The following sections provide summary discussions of the required data qualifications for the methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory’s precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the “U” flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection; however, the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

Deliverables

The data package as submitted to Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly Amec Foster Wheeler) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6010D, SW6020B, SW7470A, EPA 300 and SM 2540C.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for CCR Appendix III metals and State D&O Permit metals by Method 6010D and 6020B, mercury by Method SW7470, anions (chloride, fluoride, and sulfate) by Method 300 and total dissolved solids (TDS) by Method SM 2540C.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and quality control (QC) samples:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
GWA-39RZ	03/09/20	II	GWC-47	03/09/20	II
GWA-39Z	03/09/20	II	GWC-47R	03/09/20	II
GWA-40	03/09/20	II	GWC-48	03/09/20	II
GWA-41	03/06/20	II	GWC-49R	03/11/20	II
GWA-41R	03/09/20	II	GWC-49Z	03/09/20	II
GWA-42	03/06/20	II	<u>QA/QC Samples:</u>		
GWA-43	03/09/20	II	EQBL-030620	03/06/20	II
GWA-43R	03/09/20	II	FBL-030620	03/06/20	II
GWC-44	03/10/20	II	EQBL-031020	03/10/20	II
GWC-45	03/10/20	II	FBL-031020	03/10/20	II
GWC-45R	03/10/20	II	DUP-1	03/06/20	II
GWC-46R	03/10/20	II	DUP-2	03/10/20	II

The samples reported in this SDG were collected from Landfill Cells 9&10 between March 6 and March 11, 2020. Sample DUP-1 is the field duplicate sample of GWA-42 and sample DUP-2 is the field duplicate sample

of GWC-45R. Equipment blanks were collected on different equipment used to sample the locations at Landfill Cells 9&10 and are listed below:

- EQBL030620, collected on the poly tubing
- EQBL031020, collected on the nitrile gloves

The highest result of any detected analyte between the two equipment blanks was used to qualify associated sample results if necessary.

The analytical results for the metals, anions, and TDS data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Metals (SW6010D/SW6020B/SW7470A)

The samples were submitted to Pace for CCR Appendix III and State D&O Permit metals by Method SW6010D, SW6020B, and/or mercury by SW7470A. The CCR Appendix III metals are: boron (B) and calcium (Ca). The State D&O Permit metals are: antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), vanadium (V), and zinc (Zn). Each of the Level II components were within QC limits with the exception of method blank contamination and equipment blank contamination.

Holding Times

The sample analyses were performed within the 6 month and 28-day (for mercury) analysis holding times.

Method Blanks

The method blanks associated with some samples analyzed within this SDG contained metals at a concentration between the MDL and the RL (Antimony: 0.00031J mg/L, Chromium: 0.00045J mg/L, Antimony: 00029J mg/L, chromium: 0013J mg/L, zinc: 0018J mg/L). Results less than five times the blank are considered not detected as a possible laboratory artifact: **Reason Code: BL**.

Action: The positive metals results less than five times the method blank were qualified as not detected due to possible blank contamination and flagged "U".*

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses were performed for metals on project samples GWA-39RZ, GWA-40, GWA-41, GWA-42, and GWA-43. Calcium recovered outside the QC limits in sample GWA-41.

Action: No qualification was required for the calcium results in sample GWA-41 was required because calcium was present in the parent sample at a concentration greater than 4 times the spike amount.

Post Digestion Spike (PDS)

PDS analysis results were not available for review.

Field Duplicate Precision

Two field duplicate pairs were submitted with this SDG (GWA-42/DUP-1-030620 and GWA-45R/Dup-2-031020) and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. The field blank samples contained antimony and/or zinc. One of the equipment blanks (EQBL-030620) contained antimony, chromium, copper, and zinc between the method detection limit (MDL) and the reporting limit (RL).

Results less than five times the blank are considered not detected as a possible field artifact: **Reason Code: BF or BE.**

Action: The positive antimony, chromium, copper and/or zinc results less than five times the equipment blank and/or field blank were qualified as not detected due to possible blank contamination and flagged "U".*

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Method SW6010D, SW6020B and 7470A. The laboratory RL was elevated where dilutions were required to place the constituent within the calibration range; however, there were no dilutions required for metals in the samples submitted with this SDG.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier was retained by the data validator.

Total and Dissolved Metals Comparison

If total and dissolved metals samples were collected, comparison of the total and dissolved results can aid in the representativeness of the total metals value versus the metals that may be associated with suspended solids and metals actually dissolved within the water column. The dissolved metals results should be less than or equal to the total metals concentration for positive results greater than 5 times the RL. No total and dissolved samples were collected and reported in this SDG.

Anions (EPA 300)

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300. Each of the Level II components were within QC limit with the exception of duplicate precision.

Holding Times

The sample analyses were performed within the 28-day analysis holding times.

Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain anions indicating the analytical system was contaminant free during analysis.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed for anions on project samples GWC-47 and EQBL031020. Percent recoveries for EQBL031020 were above the upper QC limits indicating a possible high bias. High bias applies to positive results only.

Action: No qualification was applied because the bias was high and the sample was non-detect.

Field Duplicate Precision

Two field duplicate pairs were submitted with this SDG (GWA-42/DUP-1-030620, GWC-45R/Dup-2-031020) and the RPDs were within QC limits with the following exceptions: The sulfate RPD was outside QC limits for pair GWA-42/DUP-1-030620/GWA.

Action: The sulfate results reported in samples GWA-42 and DUP-1-030620 were qualified as estimated and flagged "J". Reason Code: FD.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

The field and equipment blank(s) associated with the samples of this SDG (FBL030620, EQBL030620, EQBL031020, and EQBL031020) did not contain anions.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300. The laboratory RL was elevated where dilutions were required to place the constituent within the calibration range, however no samples in this SDG required a dilution. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier was retained by the data validator.

TDS (SM 2540C)

The samples were submitted to Pace for TDS by Method SM 2540C. Each of the Level II components were within QC limits with the exception of equipment blank contamination; however, no qualification was applied.

Holding Times

The sample analyses were performed within the 7-day analysis holding times.

Method Blanks

Laboratory method blanks are not required for the analysis of TDS.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Field Duplicate Precision

Two field duplicate pairs were submitted with this SDG (GWA-42/DUP-1-030620, GWC-45R/Dup-2-031020) and the RPDs were within QC limits.

Laboratory Duplicate Precision

The laboratory duplicates analyzed were not for project samples in this SDG.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

The field and equipment blanks associated with the samples in this SDG reported TDS; however, no qualification was applied.

Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM 2540C and no samples required dilutions; therefore, RLs were met for this project. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory, however no TDS results were reported between the MDL and RL.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan and validation SOPs. No professional judgment was used to modify flags for results reported in samples presented in this SDG.

Completeness

A total of 17 wells, along with the required QC samples, were sampled and analyzed during the March event in Landfill Cells 9&10 according to the FSP (Amec Foster Wheeler, 2017). Each of the 17 well locations were reported in this SDG and were sampled and analyzed as scoped.

Therefore, both field and analytical completeness calculated for this SDG was 100%.

References

Amec Foster Wheeler, 2017. *Field Sampling Plan – Plant Bowen*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), Revision 1, Update 3, October 16, 2017.

USEPA, 2014. *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: EIWP 4/7/20

Checked By/Date: JAH 04/07/20

**TABLE 1
SUMMARY OF DATA QUALIFIERS**

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629875
SAMPLING DATE: March 6-March 11, 2020
Plant Bowen Landfill Cells 9 & 10: Event # 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
EQBL-030620	Equipment Blank	EB	2629875	SW6020B	Antimony	0.00032	J, B	U*	BL	mg/L
EQBL-030620	Equipment Blank	EB	2629875	SW6020B	Chromium	0.0035	J	J	--	mg/L
EQBL-030620	Equipment Blank	EB	2629875	SW6020B	Copper	0.00021	J	J	--	mg/L
EQBL-030620	Equipment Blank	EB	2629875	SW6020B	Zinc	0.0037	J	J	--	mg/L
FBL-030620	Field Blank	FB	2629875	SW6020B	Antimony	0.00082	J, B	U*	BL	mg/L
FBL-031020	Field Blank	FB	2629875	SW6020B	Zinc	0.0017	J	U*	BL	mg/L
GWA-39RZ-030920	GWA-39RZ	N	2629875	SW6020B	Antimony	0.0013	J, B	U*	BL	mg/L
GWA-39RZ-030920	GWA-39RZ	N	2629875	SW6020B	Arsenic	0.00083	J	J	--	mg/L
GWA-39RZ-030920	GWA-39RZ	N	2629875	SW6020B	Boron	0.0065	J	J	--	mg/L
GWA-39RZ-030920	GWA-39RZ	N	2629875	SW6020B	Chromium	0.0016	J	U*	BE	mg/L
GWA-39RZ-030920	GWA-39RZ	N	2629875	SW6020B	Copper	0.011	J	J	--	mg/L
GWA-39RZ-030920	GWA-39RZ	N	2629875	SW6020B	Lead	0.00027	J	J	--	mg/L
GWA-39RZ-030920	GWA-39RZ	N	2629875	SW6020B	Nickel	0.00083	J	J	--	mg/L
GWA-39RZ-030920	GWA-39RZ	N	2629875	SW6020B	Zinc	0.009	J	U*	BE	mg/L
GWA-39Z-030920	GWA-39Z	N	2629875	E300.0	Sulfate	0.84	J	J	--	mg/L
GWA-39Z-030920	GWA-39Z	N	2629875	SW6020B	Antimony	0.0011	J, B	U*	BL	mg/L
GWA-39Z-030920	GWA-39Z	N	2629875	SW6020B	Barium	0.0072	J	J	--	mg/L
GWA-39Z-030920	GWA-39Z	N	2629875	SW6020B	Cobalt	0.00075	J	J	--	mg/L
GWA-39Z-030920	GWA-39Z	N	2629875	SW6020B	Copper	0.0007	J	U*	BE	mg/L
GWA-39Z-030920	GWA-39Z	N	2629875	SW6020B	Lead	0.000055	J	J	--	mg/L
GWA-39Z-030920	GWA-39Z	N	2629875	SW6020B	Zinc	0.0035	J	U*	BE	mg/L
GWA-40-030920	GWA-40	N	2629875	SW6020B	Barium	0.0088	J	J	--	mg/L
GWA-40-030920	GWA-40	N	2629875	SW6020B	Boron	0.0074	J	J	--	mg/L
GWA-40-030920	GWA-40	N	2629875	SW6020B	Chromium	0.0009	J, B	U*	BL, BE	mg/L
GWA-40-030920	GWA-40	N	2629875	SW6020B	Lead	0.000095	J	J	--	mg/L
GWA-40-030920	GWA-40	N	2629875	SW6020B	Thallium	0.000078	J	J	--	mg/L
GWA-40-030920	GWA-40	N	2629875	SW6020B	Zinc	0.002	J	U*	BE	mg/L
GWA-41-030620	GWA-41	N	2629875	SW6020B	Boron	0.013	J	J	--	mg/L
GWA-41-030620	GWA-41	N	2629875	SW6020B	Chromium	0.015		U*	BE	mg/L
GWA-41-030620	GWA-41	N	2629875	SW6020B	Copper	0.00093	J	U*	BE	mg/L
GWA-41-030620	GWA-41	N	2629875	SW6020B	Lead	0.000091	J	J	--	mg/L
GWA-41-030620	GWA-41	N	2629875	SW6020B	Nickel	0.0089	J	J	--	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629875
SAMPLING DATE: March 6-March 11, 2020
Plant Bowen Landfill Cells 9 & 10: Event # 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWA-41-030620	GWA-41	N	2629875	SW6020B	Zinc	0.0027	J	U*	BE	mg/L
GWA-41R-030920	GWA-41R	N	2629875	SW6020B	Antimony	0.0037		U*	BE	mg/L
GWA-41R-030920	GWA-41R	N	2629875	SW6020B	Boron	0.021	J	J	--	mg/L
GWA-41R-030920	GWA-41R	N	2629875	SW6020B	Chromium	0.0004	J, B	U*	BL, BE	mg/L
GWA-41R-030920	GWA-41R	N	2629875	SW6020B	Copper	0.0014	J	J	--	mg/L
GWA-41R-030920	GWA-41R	N	2629875	SW6020B	Lead	0.000049	J	J	--	mg/L
GWA-41R-030920	GWA-41R	N	2629875	SW6020B	Nickel	0.00036	J	J	--	mg/L
GWA-41R-030920	GWA-41R	N	2629875	SW6020B	Thallium	0.000061	J	J	--	mg/L
GWA-41R-030920	GWA-41R	N	2629875	SW6020B	Zinc	0.0024	J	U*	BE	mg/L
GWA-42-030620	GWA-42	N	2629875	E300.0	Sulfate	1.7		J	FD	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Barium	0.0066	J	J	--	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Beryllium	0.00017	J	J	--	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Boron	0.0068	J	J	--	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Cadmium	0.00014	J	J	--	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Chromium	0.00045	J	U*	BE	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Cobalt	0.00039	J	J	--	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Copper	0.00019	J	U*	BE	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Lead	0.00011	J	J	--	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Nickel	0.0015	J	J	--	mg/L
GWA-42-030620	GWA-42	N	2629875	SW6020B	Thallium	0.000086	J	J	--	mg/L
DUP-1-030620	GWA-42	FD	2629875	E300.0	Sulfate	2.4		J	FD	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Barium	0.0068	J	J	--	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Beryllium	0.00018	J	J	--	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Boron	0.0053	J	J	--	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Cadmium	0.00013	J	J	--	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Chromium	0.00089	J	U*	BE	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Cobalt	0.00034	J	J	--	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Copper	0.0002	J	U*	BE	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Lead	0.000098	J	J	--	mg/L
DUP-1-030620	GWA-42	FD	2629875	SW6020B	Nickel	0.0013	J	J	--	mg/L
GWA-43-030920	GWA-43	N	2629875	SW6020B	Antimony	0.00062	J	U*	BE	mg/L
GWA-43-030920	GWA-43	N	2629875	SW6020B	Chromium	0.0033	J, B	U*	BL, BE	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629875
SAMPLING DATE: March 6-March 11, 2020
Plant Bowen Landfill Cells 9 & 10: Event # 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWA-43-030920	GWA-43	N	2629875	SW6020B	Cobalt	0.00039	J	J	--	mg/L
GWA-43-030920	GWA-43	N	2629875	SW6020B	Copper	0.00035	J	U*	BE	mg/L
GWA-43-030920	GWA-43	N	2629875	SW6020B	Lead	0.000091	J	J	--	mg/L
GWA-43-030920	GWA-43	N	2629875	SW6020B	Nickel	0.00082	J	J	--	mg/L
GWA-43-030920	GWA-43	N	2629875	SW6020B	Zinc	0.002	J	U*	BE	mg/L
GWA-43R-030920	GWA-43R	N	2629875	SW6020B	Antimony	0.00037	J	U*	BE	mg/L
GWA-43R-030920	GWA-43R	N	2629875	SW6020B	Barium	0.0069	J	J	--	mg/L
GWA-43R-030920	GWA-43R	N	2629875	SW6020B	Boron	0.017	J	J	--	mg/L
GWA-43R-030920	GWA-43R	N	2629875	SW6020B	Chromium	0.0014	J, B	U*	BL, BE	mg/L
GWA-43R-030920	GWA-43R	N	2629875	SW6020B	Copper	0.00035	J	U*	BE	mg/L
GWA-43R-030920	GWA-43R	N	2629875	SW6020B	Lead	0.000096	J	J	--	mg/L
GWA-43R-030920	GWA-43R	N	2629875	SW6020B	Vanadium	0.00074	J	J	--	mg/L
GWA-43R-030920	GWA-43R	N	2629875	SW6020B	Zinc	0.0022	J	U*	BE	mg/L
GWC-44-031020	GWC-44	N	2629875	E300.0	Fluoride	0.13	J	J	--	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Arsenic	0.0013	J	J	--	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Beryllium	0.000074	J	J	--	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Boron	0.019	J	J	--	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Chromium	0.00074	J, B	U*	BL, BE	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Cobalt	0.0021	J	J	--	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Copper	0.00067	J	U*	BE	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Lead	0.00066	J	J	--	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Nickel	0.00086	J	J	--	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Selenium	0.0063	J	J	--	mg/L
GWC-44-031020	GWC-44	N	2629875	SW6020B	Zinc	0.0049	J	U*	BE	mg/L
GWC-45-031020	GWC-45	N	2629875	E300.0	Chloride	0.8	J	J	--	mg/L
GWC-45-031020	GWC-45	N	2629875	E300.0	Sulfate	0.61	J	J	--	mg/L
GWC-45-031020	GWC-45	N	2629875	SW6010D	Calcium	0.89	J	J	--	mg/L
GWC-45-031020	GWC-45	N	2629875	SW6020B	Antimony	0.00087	J	U*	BE	mg/L
GWC-45-031020	GWC-45	N	2629875	SW6020B	Barium	0.0061	J	J	--	mg/L
GWC-45-031020	GWC-45	N	2629875	SW6020B	Chromium	0.0007	J, B	U*	BL, BE	mg/L
GWC-45-031020	GWC-45	N	2629875	SW6020B	Cobalt	0.0012	J	J	--	mg/L
GWC-45-031020	GWC-45	N	2629875	SW6020B	Copper	0.00031	J	U*	BE	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629875
SAMPLING DATE: March 6-March 11, 2020
Plant Bowen Landfill Cells 9 & 10: Event # 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-45-031020	GWC-45	N	2629875	SW6020B	Lead	0.00014	J	J	--	mg/L
GWC-45-031020	GWC-45	N	2629875	SW6020B	Nickel	0.0012	J	J	--	mg/L
GWC-45-031020	GWC-45	N	2629875	SW6020B	Zinc	0.0031	J	U*	BE	mg/L
GWC-45R-031020	GWC-45R	N	2629875	SW6020B	Boron	0.009	J	J	--	mg/L
GWC-45R-031020	GWC-45R	N	2629875	SW6020B	Chromium	0.00092	J, B	U*	BL, BE	mg/L
GWC-45R-031020	GWC-45R	N	2629875	SW6020B	Zinc	0.0035	J	U*	BE	mg/L
DUP-2-031020	GWC-45R	FD	2629875	SW6020B	Boron	0.0092	J	J	--	mg/L
DUP-2-031020	GWC-45R	FD	2629875	SW6020B	Chromium	0.00069	J, B	U*	BL, BE	mg/L
DUP-2-031020	GWC-45R	FD	2629875	SW6020B	Zinc	0.0056	J	U*	BE	mg/L
GWC-46R-031020	GWC-46R	N	2629875	SW6020B	Chromium	0.0035	J, B	U*	BL, BE	mg/L
GWC-46R-031020	GWC-46R	N	2629875	SW6020B	Zinc	0.0029	J	U*	BE	mg/L
GWC-47-030920	GWC-47	N	2629875	SW6020B	Antimony	0.00032	J	U*	BE	mg/L
GWC-47-030920	GWC-47	N	2629875	SW6020B	Barium	0.0089	J	J	--	mg/L
GWC-47-030920	GWC-47	N	2629875	SW6020B	Cadmium	0.00015	J	J	--	mg/L
GWC-47-030920	GWC-47	N	2629875	SW6020B	Chromium	0.0012	J, B	U*	BL, BE	mg/L
GWC-47-030920	GWC-47	N	2629875	SW6020B	Lead	0.000058	J	J	--	mg/L
GWC-47R-030920	GWC-47R	N	2629875	SW6020B	Antimony	0.00056	J	U*	BE	mg/L
GWC-47R-030920	GWC-47R	N	2629875	SW6020B	Arsenic	0.00051	J	J	--	mg/L
GWC-47R-030920	GWC-47R	N	2629875	SW6020B	Barium	0.0082	J	J	--	mg/L
GWC-47R-030920	GWC-47R	N	2629875	SW6020B	Boron	0.0051	J	J	--	mg/L
GWC-47R-030920	GWC-47R	N	2629875	SW6020B	Chromium	0.0023	J, B	U*	BL, BE	mg/L
GWC-47R-030920	GWC-47R	N	2629875	SW6020B	Copper	0.00032	J	U*	BE	mg/L
GWC-47R-030920	GWC-47R	N	2629875	SW6020B	Lead	0.00008	J	J	--	mg/L
GWC-47R-030920	GWC-47R	N	2629875	SW6020B	Thallium	0.00021	J	J	--	mg/L
GWC-48-030920	GWC-48	N	2629875	SW6020B	Beryllium	0.00028	J	J	--	mg/L
GWC-48-030920	GWC-48	N	2629875	SW6020B	Cadmium	0.00016	J	J	--	mg/L
GWC-48-030920	GWC-48	N	2629875	SW6020B	Chromium	0.0023	J, B	J	BL, BE	mg/L
GWC-48-030920	GWC-48	N	2629875	SW6020B	Cobalt	0.0016	J	J	--	mg/L
GWC-48-030920	GWC-48	N	2629875	SW6020B	Copper	0.00035	J	U*	BE	mg/L
GWC-48-030920	GWC-48	N	2629875	SW6020B	Nickel	0.0039	J	J	--	mg/L
GWC-48-030920	GWC-48	N	2629875	SW6020B	Thallium	0.00009	J	J	--	mg/L
GWC-48-030920	GWC-48	N	2629875	SW6020B	Zinc	0.0079	J	U*	BE	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 2629875
SAMPLING DATE: March 6-March 11, 2020
Plant Bowen Landfill Cells 9 & 10: Event # 14

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-49R-031120	GWC-49R	N	2629875	SW6020B	Antimony	0.0012	J, B	U*	BL	mg/L
GWC-49R-031120	GWC-49R	N	2629875	SW6020B	Arsenic	0.00041	J	J	--	mg/L
GWC-49R-031120	GWC-49R	N	2629875	SW6020B	Chromium	0.0012	J, B	U*	BL, BE	mg/L
GWC-49R-031120	GWC-49R	N	2629875	SW6020B	Nickel	0.0004	J	J	--	mg/L
GWC-49R-031120	GWC-49R	N	2629875	SW6020B	Zinc	0.0036	J, B	U*	BL, BE	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6010D	Calcium	0.87	J	J	--	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Antimony	0.0018	J	U*	BE	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Barium	0.0045	J	J	--	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Boron	0.0055	J	J	--	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Chromium	0.00096	J, B	U*	BL, BE	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Cobalt	0.0028	J	J	--	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Copper	0.00035	J	U*	BE	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Lead	0.00017	J	J	--	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Nickel	0.003	J	J	--	mg/L
GWC-49Z-030920	GWC-49Z	N	2629875	SW6020B	Zinc	0.0047	J	U*	BE	mg/L

Notes:

Laboratory Qualifiers:

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

B = Analyte was detected in the associated method blank.

Reason Codes:

BE = Equipment blank contamination. The result should be considered "not-detected".

BL = Laboratory blank contamination. The result should be considered "not-detected".

-- = No Reason Code assigned for values detected between the method detection limit (MDL) and the reporting limit (RL);estimated quantitation.

Validation Qualifiers:

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.

U* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Prepared by/Date: EWIP 04/07/20

Checked by/Date: JAH 04/07/20

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 14 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Metals and Mercury by SW6010D/SW6020B/SW7470

Laboratory and Lot: Pace SDG: 2629875

Reviewer/Date: E. Phillips 4/6/20

Senior Reviewer/Date: J. Hartness 4/07/20

YES

NO

NA

COMMENTS

Case Narrative and COC Completeness Review

OK

Sample Preservation and cooler temperature met (HNO₃ to pH<2)

OK, 2.3°C

Holding times met (180 days; Hg = 28 days)

Coll: 03/06/20, 03/09/20, 03/10/20, 03/11/20

Prep: metals – 03/13/20, 03/16/20, 03/17/20, 03/18/20, 03/23/20

Hg – 03/12/20, 03/18/20

Anal: metals – 03/16/20, 03/17/20, 03/19/20, 03/22/20, 03/24/20,

Hg – 03/13/20, 03/18/20

QC Blanks Review

Method Blanks:

p. 37 MB 204276 Hg = ND

p. 38 MB 205409 Hg = ND

p. 39 MB 204811 Ca = ND

p. 40 MB 205490 Ca = ND

p. 41 MB 206317 Ca = ND

p. 42 MB 206402 Ca = ND

p. 43 MB 204815 All metals = ND

p. 45 MB 205055

Antimony = 0.00031 J x 5 = 0.00155 mg/L

Flag FBL030620, EQBL030620, GWA-39Z "U"

p. 47 MB 205363

Chromium = 0.00045 J x 5 = 0.00225 mg/L

Flag GWA-40, GWA-41R, GWA-43, GWA-43R, GWC-47, GWA-47R,

GWA-48, GWC-49Z, GWC-44, GWC-45, GWC-45R, DUP-2 "U"

p. 49 MB 205651

Antimony = 0.00029 J x 5 = 0.00145 mg/L

Chromium = 0.0013 J x 5 = 0.0065 mg/L

Zinc = 0.0018 J x 5 = 0.0090 mg/L

Flag GWC-49R "U"

Field blank: (use highest result to apply flags)

FBL-030620 Sb - 0.00082 J x 5 = 0.0041 mg/L

FB flagged "U" due to MB contamination, No flags applied

FBL-031020 Zn - 0.0017 J x 5 = 0.0085 mg/L

Flag associated sample results <5x blank "U".

Metals and Mercury by 6020B/7470A (cont.)

YES NO NA COMMENTS

Equipment blanks: (use highest result to apply flags)

EQBL-030620 Sb - 0.00032 J x 5 = **0.0016** mg/L
 (No flags – Sb flagged "U*" due to MB)
 Cr - 0.0035 J x 5 = **0.0175** mg/L
 Cu - 0.00021 J x 5 = **0.00105** mg/L
 Zn - 0.0037 J x 5 = **0.0185** mg/L

Flag associated sample results <5x blank "U*".

EQBL-031020 All ND

**Laboratory Control Sample (LCS) recovery within limits
 (Metals 70-130%, Hg = 80-120%)**

- p. 37 LCS 204277 Hg = 105%
- p. 38 LCS 205410 Hg = 103%
- p. 39 LCS 204812 Ca = 105%
- p. 40 LCS 205491 Ca = 109%
- p. 41 LCS 206318 Ca = 105%
- p. 42 LCS 206403 Ca = 97%
- p. 43 LCS 204816 %Recs OK
- p. 45 LCS 205056 %Recs OK
- p. 47 LCS 205364 %Recs OK
- p. 49 LCS 205652 %Recs OK

Lab Duplicate - Field Duplicate precision goals met (20%)

Field Dup (GWA-42/Dup-1-030620)

	<u>GWA-42</u>	<u>Dup-1</u>	<u>*Diff/RPD</u>	<u>RL</u>
Calcium	38	36.8	3.2	ok
Barium	0.0066J	0.0068J	0.0002	0.010 ok
beryllium	0.00017J	0.00018J	0.00001	0.003 ok
Boron	0.0068J	0.0053J	0.0015	0.040 ok
Cadmium	0.00014J	0.00013J	0.00001	0.0025 ok
Chromium	0.00045J	0.00089J	0.00044	0.010 ok
Cobalt	0.00039J	0.00034J	0.00005	0.005 ok
Copper	0.00019J	0.00020J	0.00001	0.025 ok
Lead	0.00011J	0.000098J	0.000012	0.005 ok
Nickel	0.0015J	0.0013J	0.0002	0.010 ok
Thallium	0.000086J	<0.001	0.000914	0.001 ok
Zinc	0.012	0.011	8.7	ok

*for results <RL, diff must be <RL

Metals and Mercury by 6020B/7470A (cont.)

YES NO NA COMMENTS

Lab Duplicate - Field Duplicate precision goals met (20%)

Field Dup (GWC-45R/Dup-2-031020)

	<u>GWC-45R</u>	<u>Dup-2</u>	<u>*Diff/RPD</u>	<u>RL</u>
Calcium	43.5	42.4	2.6	ok
Barium	0.024	0.025	4.1	ok
Boron	0.0090J	0.0092J	0.0002	0.040 ok
Chromium	0.00092J	0.00069J	0.00013	0.010 ok
Zinc	0.0035J	0.0056J	0.0021	0.010 ok

**for results <RL, diff must be <RL*

Matrix Spike recoveries and RPDs within limits (75-125%, RPD 20)

p. 37 non-project sample of this SDG (2629701014- Hg)

p. 38 GWA-39RZ Hg All OK

p. 39 GWA-41 Calcium **-69%**, **-90%**;=1 OK

No flag, parent concentration >4x spike amount

p. 40 non-project sample of this SDG (2629901001 - calcium)

p. 41 GWA-43 Calcium All OK

p. 42 non-project sample of this SDG (2630125005 – calcium)

p. 44 non-project sample of this SDG (2629786015 - metals)

p. 46 GWA-42 Metals All OK

p. 48 GWA-40 Metals All OK

p. 50 non-project sample of this SDG (2630003002 - metals)

Total metals vs dissolved metals within limits (RPD < 20% or diff. < RL)

No dissolved metals in this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 14 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Anions (chloride, fluoride, sulfate) by EPA 300.0

Laboratory and Lot: Pace SDGs: 2629875

Reviewer/Date: E. Phillips 4/6/20 **Senior Reviewer/Date:** J. Hartness 4/07/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>																								
<input checked="" type="checkbox"/>			Case Narrative and COC Completeness Review OK																								
<input checked="" type="checkbox"/>			Sample Preservation and cooler temperature met (Cool to 6°C) OK; 2.3°C																								
<input checked="" type="checkbox"/>			Holding times met (Cl, SO₄, F – 28 days) Coll: 03/06/20, 03/09/20, 03/10/20, 03/11/20 Anal: 03/15/20, 03/17/20, 03/19/20																								
<input checked="" type="checkbox"/>			QC Blanks Review <u>Method Blanks:</u> p. 55 MB 2832234 = ND p. 56 MB 2834329 = ND p. 57 MB 2834341 = ND p. 58 MB 2837011 = ND <u>Field blank:</u> FBL-030620 = ND FBL-031020 =ND <u>Equipment blanks:</u> EQBL-030620 = ND EQBL-031020 = ND																								
<input checked="" type="checkbox"/>			Laboratory Control Sample (LCS) recovery within limits (90-110%) p. 55 LCS 2832235 – All OK p. 56 LCS 2834330 – All OK p. 57 LCS 2834342 – All OK p. 58 LCS 2837012 – All OK																								
<input checked="" type="checkbox"/>			Lab Duplicate - Field Duplicate precision goals met (20%) Field Dup (GWA-42/Dup-1-030620) <table border="0" style="margin-left: 20px;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>GWA-42</u></th> <th style="text-align: center;"><u>Dup-1</u></th> <th style="text-align: center;"><u>RPD</u></th> </tr> </thead> <tbody> <tr> <td>Chloride</td> <td style="text-align: center;">2.7</td> <td style="text-align: center;">2.7</td> <td style="text-align: center;">0% ok</td> </tr> <tr> <td>Sulfate</td> <td style="text-align: center;">1.7</td> <td style="text-align: center;">2.4</td> <td style="text-align: center;">34%</td> </tr> </tbody> </table> Flag sample analytes "J" Field Dup (GWC-45R/Dup-2-031020)-All OK <table border="0" style="margin-left: 20px;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>GWC-45R</u></th> <th style="text-align: center;"><u>Dup-2</u></th> <th style="text-align: center;"><u>RPD</u></th> </tr> </thead> <tbody> <tr> <td>Chloride</td> <td style="text-align: center;">4.4</td> <td style="text-align: center;">4.4</td> <td style="text-align: center;">0% ok</td> </tr> <tr> <td>Sulfate</td> <td style="text-align: center;">5.2</td> <td style="text-align: center;">5.2</td> <td style="text-align: center;">0% ok</td> </tr> </tbody> </table>		<u>GWA-42</u>	<u>Dup-1</u>	<u>RPD</u>	Chloride	2.7	2.7	0% ok	Sulfate	1.7	2.4	34%		<u>GWC-45R</u>	<u>Dup-2</u>	<u>RPD</u>	Chloride	4.4	4.4	0% ok	Sulfate	5.2	5.2	0% ok
	<u>GWA-42</u>	<u>Dup-1</u>	<u>RPD</u>																								
Chloride	2.7	2.7	0% ok																								
Sulfate	1.7	2.4	34%																								
	<u>GWC-45R</u>	<u>Dup-2</u>	<u>RPD</u>																								
Chloride	4.4	4.4	0% ok																								
Sulfate	5.2	5.2	0% ok																								



Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)

- p. 55 non-project sample of this SDG (92469145020) -%Rec and RPDs OK
- p. 55 non-project sample of this SDG (2629779009) -%Rec and RPDs OK
- p. 56 non-project sample of this SDG (2629967011) -Flouride=**116, 120%** RPD=3
No action needed, non-project samples
- p. 56 non-project sample of this SDG (2630017004) -Flouride=109, **111%** RPD=1
No action needed, non-project samples
- p. 57 GWC-47-%Rec and RPDs OK
- p. 57 EQBL031020 -Flouride=**114, 111%** RPD = 3
No action needed; sample non-detect.
- p. 58 non-project sample of this SDG (2630073003) -%Rec and RPDs OK
- p. 58 non-project sample of this SDG (2630125015) -%Rec and RPDs OK



EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 14 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: TDS by SM 2540C

Laboratory and Lot: Pace SDG: 2629875

Reviewer/Date: E. Phillips 4/6/20

Senior Reviewer/Date: J. Hartness 4/07/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>
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<input checked="" type="checkbox"/>	Case Narrative and COC Completeness Review OK
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<input checked="" type="checkbox"/>	Sample Preservation and cooler temperature met (Cool to 6°C) OK; 2.3°C
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<input checked="" type="checkbox"/>	Holding times met (7 days) Coll: 03/06/20, 03/09/20, 03/10/20, 03/11/20 Anal: 03/13/20, 03/16/20, 03/17/20, 03/18/20
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<input checked="" type="checkbox"/>	QC Blanks Review <u>Method Blanks:</u> No MB required by the method. <u>Field blank:</u> FBL-030620 = ND FBL-031020 = 89 x 5 = 445 mg/L <i>No flags for TDS in blanks due to ES rule</i>
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Equipment blanks:
EQBL-030620 = ND
EQBL-031020 = 38 x 5 = **190** mg/L
No flags for TDS in blanks due to ES rule

<input checked="" type="checkbox"/>	Laboratory Control Sample (LCS) recovery within lab limits p. 51 LCS 204885 TDS = 94% - OK p. 52 LCS 205087 TDS = 106%-OK p. 53 LCS 205165 TDS = 97%-OK p. 54 LCS 205508 TDS = 96%-OK
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<input checked="" type="checkbox"/>	Lab Duplicate - Field Duplicate precision goals met (20%) Field Dup (GWA-42/Dup-1-030620) <table border="0" style="margin-left: 40px;"> <tr> <td></td> <td><u>GWA-42</u></td> <td><u>Dup-1</u></td> <td><u>RPD</u></td> </tr> <tr> <td>TDS</td> <td>143</td> <td>147</td> <td>2.8% ok</td> </tr> </table> Flag sample analytes "J"		<u>GWA-42</u>	<u>Dup-1</u>	<u>RPD</u>	TDS	143	147	2.8% ok
	<u>GWA-42</u>	<u>Dup-1</u>	<u>RPD</u>						
TDS	143	147	2.8% ok						

Field Dup (GWC-45R/Dup-2-031020)-All OK

	<u>GWC-45R</u>	<u>Dup-2</u>	<u>RPD</u>
TDS	245	257	4.8% ok

Lab dups:

p. 51-54 Non-project samples (2629872001, 2629907005, 2629938004, 2630064013, 2630143002, & 2630050002); RPD = 1, **143**, **21**, NC, NC, 1

Action: No action needed, non-project samples.

p. 52 GWC-47 RPD = 4 OK



Matrix Spike recoveries and RPDs within limits (if applicable)

None for TDS



EDD Data Verification vs. Hardcopy (10% samples for each SDG)

RPD Calculations

Quality control procedures included calculating the relative percent difference (RPD) between sample and sample duplicate concentrations. This is calculated as:

$$RPD = \frac{Conc1 - Conc2}{(Conc1 + Conc2) / 2}$$

The RPD calculations are provided in the attached table (**RPD Calculations**) for all detected concentrations above the laboratory reporting limit for wells and corresponding duplicates. Other constituents were below the laboratory reporting limit. For an RPD to be representative of the process, the concentrations have to be five times the laboratory reporting limit in accordance with US EPA guidance on inorganic data review, (US EPA August 2014). The RPD values of concentrations five times the laboratory reporting limit ranged within the allowable 20% RPD indicating good sampling precision with a few exceptions which include sulfate and TDS in two sample pairs each. The RPD for sulfate in GWC-11R/Dup-2 was outside of quality control limits and the results were not qualified because the concentrations were less than five times the laboratory reporting limit. The RPD for sulfate in GWA-42/Dup-1 was outside of quality control limits and was qualified as estimated and J-flagged. The concentrations of sulfate in both sample sets are low: consequently, slight variation between the two samples resulted in an elevated RPD. The sulfate results are considered valid and appropriate for use in statistical analysis.

The RPD for TDS in GWA-2R/Dup-1 and GWC-15Z/Dup-3 were outside of quality control limits due to analyst error and were qualified as estimated and J-flagged. The TDS results are considered valid and appropriate for use in statistical analysis.

RPD CALCULATIONS

Cells 1 & 2			
Parameter	Concentration 1	Concentration 2	
3/11/2020	Dup-1	GWA-2R	RPD
Barium	0.027	0.027	0%
Calcium	47.2	46.8	1%
Sulfate	32.1	34.3	7%
Total Dissolved Solids	249	170	38%
Parameter	Concentration 1	Concentration 2	
3/12/2020	Dup-2	GWC-11R	RPD
Barium	0.020	0.021	5%
Calcium	31.3	32.5	4%
Chloride	1.5	1.5	0%
Sulfate	3.2	1.5	72%
Total Dissolved Solids	103	125	19%
Parameter	Concentration 1	Concentration 2	
3/13/2020	Dup-3	GWC-15Z	RPD
Barium	0.014	0.014	0%
Calcium	24.7	24.2	2%
Sulfate	1.2	1.1	9%
Total Dissolved Solids	100	76	27%
Cells 3 & 4			
Parameter	Concentration 1	Concentration 2	
3/2/2020	Dup-1	GWA-52	RPD
Barium	0.021	0.023	9%
Calcium	33.4	33.7	1%
Chloride	5	4.9	2%
Sulfate	16.7	16.3	2%
Total Dissolved Solids	151	142	6%
Parameter	Concentration 1	Concentration 2	
3/4/2020	DUP-2	GWA-55R	RPD
Barium	0.029	0.029	0%
Calcium	41	39.9	3%
Chloride	2.6	2.6	0%
Sulfate	23.6	23.4	1%
Total Dissolved Solids	206	207	0%
Parameter	Concentration 1	Concentration 2	
3/5/2020	DUP-3	GWC-20R	RPD
Barium	0.029	0.028	4%
Calcium	39.2	38.9	1%
Chloride	1.6	1.5	6%
Sulfate	1.2	1.1	9%
Total Dissolved Solids	174	171	2%
Cells 9 & 10			
Parameter	Concentration 1	Concentration 2	
3/6/2020	Dup-1	GWA-42	RPD
Calcium	36.8	38	3%
Zinc	0.011	0.012	9%
Chloride	2.7	2.7	0%
Sulfate	2.4	1.7	34%
Total Dissolved Solids	147	143	3%
Parameter	Concentration 1	Concentration 2	
3/10/2020	Dup-2	GWC-45R	RPD
Barium	0.025	0.024	4%
Calcium	42.4	43.5	3%
Chloride	4.4	4.4	0%
Sulfate	5.2	5.2	0%
Total Dissolved Solids	257	245	5%

concentrations in mg/L

FIELD SAMPLING DATA

Well ID	Sample Date	Purge Volume (liter)	Time Elapsed (secs)	DTW (feet, TOC)	Drawdown (feet)	Temperature (C)	pH (su)	Specific Conductance (uS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
GWA-1	3/11/20	2.4	1444	79.94	5.6	10.0	7.5	312.4	0.5	0.4	62.3
GWA-2	3/11/20	11.0	6016	71.48	0.04	16.4	6.6	450.7	0.6	6.1	121.1
GWA-2R	3/11/20	3.6	1442	73.28	1.5	16.5	7.1	321.0	0.4	4.7	125.4
GWA-3	3/11/20	18.9	10079	60.01	16.5	11.6	5.3	21.8	1.6	9.3	182.2
GWA-4RZ	3/12/20	5.1	1920	86.03	7.8	15.6	7.1	406.3	0.6	0.2	29.1
GWA-4RZ	3/12/20	5.1	120	86.03	7.8	15.6	7.5	342.0	0.6	3.4	109.7
GWC-5	3/11/20	6.0	2163	70.91	4.9	16.3	9.4	83.8	1.3	5.6	141.1
GWC-5	3/16/20	4.0	1920	68.88	2.4	15.2	6.9	72.6	2.9	8.7	61.2
GWC-6	3/12/20	5.1	2341	60.22	0.3	16.3	7.4	144.9	3.2	7.3	121.0
GWC-6RZ	3/12/20	3.9	1680	64.73	0.05	15.8	6.9	93.8	1.8	7.2	85.8
GWC-7Z	3/12/20	5.4	2881	44.46	0.1	17.2	7.5	230.2	2.6	3.6	113.3
GWC-8Z	3/13/20	24.1	10319	36.05	0.6	10.7	7.6	188.1	15.8	9.8	94.8
GWC-8Z	3/16/20	6.8	4080	36.80	0.5	14.7	7.0	131.2	3.8	8.5	60.0
GWC-8RR	3/12/20	5.3	2640	35.28	0.06	11.1	8.0	193.0	1.2	9.6	121.4
GWC-9	3/12/20	4.2	1680	32.02	0.02	16.6	4.8	31.8	1.3	6.9	178.9
GWC-10	3/12/20	9.4	4320	24.52	0.06	16.0	6.4	135.2	1.0	8.5	95.9
GWC-10R	3/12/20	6.0	2400	24.56	0.03	16.3	7.5	242.4	0.3	7.8	82.8
GWC-11	3/12/20	2.7	1260	15.35	0.04	17.5	6.3	89.9	0.8	4.2	123.1
GWC-11R	3/12/20	3.5	1620	15.27	0.03	18.3	7.6	282.0	3.0	6.1	173.0
GWC-12	3/12/20	5.3	2640	15.01	0.3	18.3	6.2	106.3	3.6	0.4	23.4
GWC-13	3/13/20	14.4	8641	24.08	0.1	17.5	7.3	243.6	4.6	5.3	140.2
GWC-13RZ	3/16/20	27.5	11280	93.80	40.3	15.7	7.5	465.7	0.6	2.0	121.3
GWC-13RZ	3/17/20	27.5	60	93.80	40.3	16.8	7.6	407.7	0.6	9.4	132.2
GWC-14Z	3/13/20	3.1	1440	26.62	2.0	18.2	6.2	133.3	3.5	4.6	82.5
GWC-15R	3/13/20	14.0	6240	32.53	0.2	18.3	7.6	303.3	4.4	2.8	43.7
GWC-15Z	3/13/20	2.8	1200	32.63	0.6	17.0	7.7	193.3	0.8	6.9	58.6
GWC-16R	3/4/20	6.8	3120	75.96	1.3	15.2	7.4	500.9	0.4	5.3	93.9
GWC-17R	3/4/20	4.3	1920	83.10	6.7	16.2	7.3	570.7	0.2	8.0	38.8
GWC-17R	3/5/20	4.3	60	83.10	6.7	13.4	7.3	455.0	0.2	8.6	86.8
GWC-18	3/6/20	12.0	7200	65.93	0	9.9	7.0	208.9	3.8	8.0	70.9
GWC-18R	3/5/20	7.6	4560	66.60	0	8.5	7.8	269.3	3.5	7.9	50.7
GWC-19R	3/4/20	21.2	11885	70.53	0.1	15.9	7.7	291.3	7.5	6.8	78.4
GWC-20R	3/5/20	5.4	2160	64.89	0.1	15.5	7.6	329.9	0.5	5.8	39.1
GWC-21R	3/3/20	9.0	4685	70.64	5.5	17.0	7.1	565.4	0.9	4.4	54.0
GWC-22R	3/3/20	5.9	2340	57.30	0.04	16.8	7.2	338.7	1.9	4.1	39.6
GWC-23R	3/4/20	4.8	2640	39.91	6.2	9.8	7.3	572.7	4.3	6.4	74.5
GWC-23R	3/5/20	4.8	60	39.91	6.2	7.4	7.2	365.1	4.3	9.8	145.4
GWC-24R	3/3/20	3.9	1804	19.03	0.8	16.8	7.6	285.9	0.7	3.5	41.7
GWC-25R	3/3/20	2.3	902	17.42	0	15.9	7.6	319.2	0.5	5.9	41.8

Well ID	Sample Date	Purge Volume (liter)	Time Elapsed (secs)	DTW (feet, TOC)	Drawdown (feet)	Temperature (C)	pH (su)	Specific Conductance (uS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
GWA-36	3/2/20	2.2	1200	24.42	0	15.2	6.6	131.0	1.2	5.6	30.5
GWA-36R	3/2/20	3.1	1200	24.09	0.03	15.7	7.2	312.6	3.6	5.1	54.5
GWA-37	3/2/20	12.4	6870	57.11	13.1	15.4	5.5	21.6	0.1	4.1	39.8
GWA-38	3/2/20	3.8	1680	50.17	1.1	16.2	5.5	39.7	0.6	8.0	88.2
GWA-39RZ	3/9/20	21.2	12729	66.45	19.2	10.3	7.7	282.7	0.5	2.8	6.1
GWA-39Z	3/9/20	5.7	2641	50.86	0.2	10.4	5.9	37.4	1.8	9.7	76.1
GWA-40	3/9/20	6.3	2886	56.25	0.04	18.3	7.5	237.8	1.0	7.2	87.7
GWA-41	3/6/20	2.7	1260	44.86	0.09	16.3	6.8	220.5	4.1	5.5	59.0
GWA-41R	3/9/20	3.0	1621	59.31	0.2	16.6	6.7	203.3	1.5	3.4	78.0
GWA-42	3/6/20	2.5	1080	64.73	0.03	16.3	7.4	277.8	2.5	3.8	42.8
GWA-43	3/9/20	3.0	1262	40.69	0.2	16.8	5.5	24.0	1.9	7.7	94.1
GWA-43R	3/9/20	6.8	3421	41.15	0.05	16.5	7.7	261.1	3.3	6.3	110.2
GWC-44	3/10/20	3.6	1440	40.60	0.5	17.5	4.4	144.9	0.1	3.5	159.2
GWC-45	3/10/20	3.6	2168	35.13	2.9	17.7	5.0	23.5	1.0	5.9	64.4
GWC-45R	3/10/20	2.9	1260	42.05	0.08	17.8	7.1	365.4	0.4	4.2	98.7
GWC-46R	3/10/20	2.9	1440	30.14	0.9	17.5	7.4	458.9	0.1	7.1	41.0
GWC-47	3/9/20	3.6	1680	30.68	0.01	17.7	7.2	214.6	3.5	3.2	50.3
GWC-47R	3/9/20	3.0	1440	33.12	2.5	18.1	7.5	312.3	0.7	1.9	38.5
GWC-48	3/9/20	7.3	3120	27.35	0.06	17.5	5.2	48.3	0.6	3.8	109.4
GWC-49R	3/9/20	1.2	720	46.26	0.03	17.2	10.2	153.6	0.4	0.9	55.2
GWC-49R	3/9/20	1.8	960	46.26	0.03	19.1	10.8	206.5	1.3	1.2	56.3
GWC-49R	3/10/20	61.0	4080	46.33	0.05	16.3	7.9	280.2	3.6	4.5	28.3
GWC-49R	3/11/20	7.7	2640	46.36	0.02	17.8	8.2	220.8	0.7	6.4	90.1
GWC-49Z	3/9/20	3.0	1440	46.44	0.9	16.0	5.6	23.8	1.6	6.7	53.8
GWA-50	3/11/20	16.0	7680	60.42	12.4	17.0	5.6	18.0	0.5	6.9	148.4
GWA-50R	3/11/20	4.5	1920	63.85	0.07	16.5	5.4	17.8	0.2	10.3	128.7
GWA-51RZ	3/2/20	29.0	5280	84.73	30.2	16.3	7.5	373.4	0.5	4.9	15.0
GWA-51RZ	3/3/20	29.0	120	84.73	30.2	16.2	7.7	387.0	0.5	7.4	97.4
GWA-52	3/2/20	3.9	1802	49.98	0	16.1	7.4	292.0	0.4	5.8	56.2
GWA-53	3/4/20	7.1	3061	51.12	0.03	16.2	7.6	266.9	4.2	7.9	47.4
GWA-53R	3/4/20	3.6	2160	47.35	2.2	10.4	7.7	277.9	1.2	15.9	80.4
GWA-54	3/3/20	3.2	2400	44.33	0.01	18.1	7.6	230.1	1.1	4.0	13.6
GWA-55	3/3/20	4.1	1200	36.53	0.01	17.4	7.0	345.7	0.6	4.7	28.7
GWA-55R	3/4/20	3.8	1680	36.52	0.02	16.3	7.3	357.7	0.8	5.7	43.5
GWA-56	3/4/20	4.4	2400	32.38	0.3	16.3	8.0	562.9	0.7	1.1	48.9

Product Name: Low-Flow System

Date: 2020-03-11 10:21:24

Project Information:

Operator Name Kevin Stephenson
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 152 ft

Pump placement from TOC 146.80 ft

Well Information:

Well ID GWA-1
Well diameter 2 in
Well Total Depth 151.80 ft
Screen Length 10 ft
Depth to Water 74.30 ft

Pumping Information:

Final Pumping Rate 100 mL/min
Total System Volume 1.15844 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 67.68 in
Total Volume Pumped 2.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 1000%
Last 5	10:02:46	479.99	9.74	7.51	312.68	0.48	79.46	0.35	111.43
Last 5	10:06:46	719.98	9.80	7.51	312.50	0.44	79.58	0.35	90.56
Last 5	10:10:46	959.96	9.86	7.51	312.46	0.43	79.71	0.36	75.88
Last 5	10:14:46	1199.95	9.93	7.51	312.38	0.40	79.85	0.38	67.86
Last 5	10:18:50	1443.94	9.98	7.51	312.38	0.47	79.94	0.39	62.29
Variance 0			0.06	-0.00	-0.03			0.01	-14.68
Variance 1			0.07	0.00	-0.09			0.01	-8.02
Variance 2			0.05	0.00	-0.00			0.02	-5.57

Notes

Pre-purged 5 liters.

Grab Samples

GWA-1
Metals
GWA-1
TDS
GWA-1
Inorganics

Product Name: Low-Flow System

Date: 2020-03-11 11:30:05

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 158.25 ft

Pump placement from TOC 149.25 ft

Well Information:

Well ID GWA-2
Well diameter 2 in
Well Total Depth 154.25 ft
Screen Length 10 ft
Depth to Water 71.44 ft

Pumping Information:

Final Pumping Rate 110 mL/min
Total System Volume 1.191337 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.48 in
Total Volume Pumped 11.03 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:11:07	5056.25	16.36	6.49	422.86	0.63	71.48	6.03	114.25
Last 5	11:15:07	5296.25	16.35	6.51	433.59	0.59	71.48	6.02	115.99
Last 5	11:19:07	5536.25	16.33	6.53	440.91	0.60	71.48	6.08	117.78
Last 5	11:23:07	5776.25	16.38	6.54	446.13	0.61	71.48	6.12	119.51
Last 5	11:27:07	6016.25	16.38	6.56	450.74	0.58	71.48	6.11	121.14
Variance 0			-0.02	0.02	7.32			0.06	1.79
Variance 1			0.05	0.01	5.22			0.04	1.73
Variance 2			0.00	0.01	4.62			-0.00	1.62

Notes

Prepurged 1 L
Well took hour and a half to stabilize conductivity

Grab Samples

GWA-2
Metals
GWA-2
TDS

GWA-2
Inorganics



Product Name: Low-Flow System

Date: 2020-03-11 12:43:40

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 111.40 ft

Pump placement from TOC 102.40 ft

Well Information:

Well ID GWA-2R
Well diameter 2 in
Well Total Depth 107.40 ft
Screen Length 10 ft
Depth to Water 71.77 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.9822254 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 18.12 in
Total Volume Pumped 3.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:24:08	480.02	16.50	7.07	332.47	1.21	73.14	4.17	118.34
Last 5	12:28:08	720.02	16.47	7.14	336.39	1.06	73.21	4.25	120.43
Last 5	12:32:08	960.02	16.47	7.17	335.13	0.74	73.26	4.38	122.07
Last 5	12:36:08	1200.02	16.51	7.14	328.48	0.53	73.27	4.57	123.92
Last 5	12:40:10	1441.85	16.50	7.09	321.01	0.42	73.28	4.73	125.37
Variance 0			0.00	0.03	-1.26			0.12	1.64
Variance 1			0.03	-0.03	-6.65			0.20	1.86
Variance 2			-0.01	-0.04	-7.47			0.16	1.45

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWA-2R
Metals
GWA-2R
TDS

GWA-2R
Inorganics
DUP-1
Metals
DUP-1
TDS
DUP-1
Inorganics

Product Name: Low-Flow System

Date: 2020-03-11 15:43:31

Project Information:

Operator Name Kevin Stephenson
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 99 ft

Pump placement from TOC 93.20 ft

Well Information:

Well ID GWA-3
Well diameter 2 in
Well Total Depth 98.20 ft
Screen Length 10 ft
Depth to Water 43.55 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.9218789 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 197.52 in
Total Volume Pumped 18.88 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 1000%
Last 5	15:22:55	9119.47	11.51	5.31	21.78	1.63	59.43	9.15	175.28
Last 5	15:26:55	9359.46	11.51	5.31	21.76	1.57	59.60	9.14	176.44
Last 5	15:30:55	9599.44	11.56	5.32	21.74	1.29	59.74	9.22	177.87
Last 5	15:34:55	9839.43	11.59	5.31	21.77	1.21	59.88	9.26	179.25
Last 5	15:38:55	10079.42	11.56	5.31	21.75	1.61	60.01	9.29	182.20
Variance 0			0.05	0.00	-0.02			0.08	1.42
Variance 1			0.02	-0.00	0.02			0.04	1.39
Variance 2			-0.03	0.00	-0.02			0.03	2.95

Notes

Pre-purged 5 liters. Pump rate changed to 100ml/min. @ 1342.

Grab Samples

GWA-3
Metals
GWA-3
TDS
GWA-3
Inorganics

Product Name: Low-Flow System

Date: 2020-03-11 11:00:21

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 95.8 ft

Pump placement from TOC 90.8 ft

Well Information:

Well ID GWA-4RZ
Well diameter 2 in
Well Total Depth 95.8 ft
Screen Length 10 ft
Depth to Water 78.63 ft

Pumping Information:

Final Pumping Rate 120 mL/min
Total System Volume 0.9125959 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 93.14 in
Total Volume Pumped 5.1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:42:17	959.96	16.11	7.08	406.89	0.20	82.81	0.21	47.93
Last 5	10:46:17	1199.95	16.04	7.07	406.88	4.49	83.69	0.19	42.47
Last 5	10:50:17	1439.93	16.20	7.05	407.95	0.39	84.44	0.18	38.42
Last 5	10:54:17	1679.92	16.11	7.05	406.60	0.56	85.24	0.18	33.59
Last 5	10:58:17	1919.90	15.97	7.07	406.28	0.64	86.03	0.18	29.06
Variance 0			0.16	-0.02	1.07			-0.01	-4.04
Variance 1			-0.09	0.00	-1.34			-0.00	-4.84
Variance 2			-0.14	0.02	-0.33			0.00	-4.52

Notes

Prepurged 1L
Complete evacuation- Will collect sample on 3.12.20

Grab Samples

Report Created: 2020-03-12 10:06:09
 Site: Bowen GWA-4RZ
 Log Created: 2020-03-12 10:04:35
 Number Readings: 11
 Battery Type: SmarTROLLâ„¢ Battery Pack
 Battery SN: 652065
 Device Type: SmarTROLLâ„¢ MP
 Device SN: 642531

Created	Baro (mba)	Temp (C)	RDO (mg/l)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (µS/cm)	Sp Cond (µS/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm³)	TDS (ppt)	Depth (ft)	Pressure (ft)	Air Temp (C)
3/12/2020 10:04	991	16.56	4.2	44.1	7.58	118.7	353.9	421.9	0.2	2826	0.999	0	-0.2	-0.085	18.3
3/12/2020 10:04	991	16.46	4.2	44.1	7.58	118.2	353.9	421.9	0.2	2826	0.999	0	-0.2	-0.085	18.3
3/12/2020 10:04	991.1	16.29	3.86	40.3	7.57	116	344.9	413.3	0.2	2900	0.999	0	-0.22	-0.094	18.3
3/12/2020 10:04	991	16.05	3.68	38.3	7.57	116	338.3	406.5	0.2	2956	0.999	0	-0.23	-0.099	18.3
3/12/2020 10:05	991.1	15.89	3.58	37.2	7.56	115.8	341.5	412.1	0.2	2929	0.999	0	-0.18	-0.08	18.3
3/12/2020 10:05	991	15.8	3.54	36.6	7.55	114.9	339.6	411.5	0.2	2945	0.999	0	-0.18	-0.077	18.3
3/12/2020 10:05	991	15.74	3.52	36.4	7.55	114	338.5	411.1	0.2	2954	0.999	0	-0.19	-0.084	18.4
3/12/2020 10:05	991.1	15.68	3.47	35.8	7.54	113.2	339.9	412.8	0.2	2942	0.999	0	-0.22	-0.095	18.4
3/12/2020 10:05	991	15.66	3.48	35.8	7.53	112.1	340.8	414.8	0.2	2934	0.999	0	-0.24	-0.103	18.4
3/12/2020 10:05	991	15.63	3.48	35.8	7.53	110.9	341.5	415.8	0.2	2928	0.999	0	-0.21	-0.091	18.4
3/12/2020 10:06	991	15.63	3.44	35.4	7.52	109.7	342	416.4	0.2	2924	0.999	0	-0.24	-0.105	18.4

Product Name: Low-Flow System

Date: 2020-03-11 16:36:08

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 117.75 ft

Pump placement from TOC 108.75 ft

Well Information:

Well ID GWC-5
Well diameter 2 in
Well Total Depth 113.75 ft
Screen Length 10 ft
Depth to Water 66.00 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 1.010568 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 58.92 in
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:17:06	1443.49	16.79	9.70	92.34	0.94	68.52	4.81	142.46
Last 5	16:20:06	1623.50	16.52	9.46	84.05	1.15	69.21	5.21	141.46
Last 5	16:23:06	1803.49	16.42	9.66	88.65	1.17	69.84	5.22	141.65
Last 5	16:26:06	1983.49	16.39	9.58	87.15	1.29	70.38	5.39	141.61
Last 5	16:29:06	2163.50	16.34	9.44	83.84	1.33	70.91	5.57	141.08
Variance 0			-0.10	0.20	4.60			0.01	0.19
Variance 1			-0.03	-0.07	-1.50			0.17	-0.04
Variance 2			-0.05	-0.14	-3.31			0.19	-0.52

Notes

Prepurged 0.5 L

At time 901 (16:08), pump rate dropped to 100 mL/min to try and stabilize head drop. At time 1443 (16:17), pump rate raised to 240 mL/min to attempt to lower pH. pH too high to sample and protocol requires well redevelopment. KS called PR at 16:34.

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-16 12:35:38

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 113.7 ft

Pump placement from TOC 108.7 ft

Well Information:

Well ID GWC-5
Well diameter 2 in
Well Total Depth 113.7 ft
Screen Length 10 ft
Depth to Water 66.44 ft

Pumping Information:

Final Pumping Rate 125 mL/min
Total System Volume 0.9924911 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 29.28 in
Total Volume Pumped 4.01 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:16:52	959.96	15.18	6.98	74.74	1.35	68.28	8.87	63.66
Last 5	12:20:52	1199.95	15.15	6.95	75.65	3.02	68.46	8.76	62.42
Last 5	12:24:52	1439.93	15.17	6.93	76.22	2.88	68.63	8.69	62.05
Last 5	12:28:52	1679.92	15.17	6.91	74.21	2.55	68.78	8.68	61.45
Last 5	12:32:52	1919.90	15.17	6.88	72.62	2.90	68.88	8.69	61.20
Variance 0			0.01	-0.03	0.57			-0.07	-0.37
Variance 1			-0.00	-0.02	-2.01			-0.00	-0.60
Variance 2			-0.00	-0.03	-1.59			0.01	-0.25

Notes

Prepurged 1L

Grab Samples

GWC-5
Metals
GWC-5
TDS
GWC-5
Inorganics

Product Name: Low-Flow System

Date: 2020-03-12 11:40:42

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 115.37 ft

Pump placement from TOC 106.37 ft

Well Information:

Well ID GWC-6
Well diameter 2 in
Well Total Depth 111.37 ft
Screen Length 10 ft
Depth to Water 59.96 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.9999451 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 3.12 in
Total Volume Pumped 5.1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:24:55	1620.95	16.10	7.31	140.36	2.99	60.27	7.21	115.51
Last 5	11:27:55	1800.95	16.16	7.33	140.34	3.37	60.25	7.20	116.94
Last 5	11:30:55	1980.95	16.20	7.35	140.66	3.49	60.22	7.24	118.35
Last 5	11:33:55	2160.95	16.26	7.37	142.43	3.43	60.22	7.24	120.10
Last 5	11:36:55	2340.95	16.29	7.40	144.93	3.23	60.22	7.29	121.01
Variance 0			0.04	0.02	0.31			0.04	1.41
Variance 1			0.06	0.02	1.77			0.00	1.75
Variance 2			0.03	0.03	2.50			0.04	0.91

Notes

Prepurged 0.5 L
At Rhine 1620, dropped pump rate to 110 mL/min to stabilize turbidity.

Grab Samples

GWC-6
Metals
GWC-6
TDS

GWC-6
Inorganics



Product Name: Low-Flow System

Date: 2020-03-12 10:22:15

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 116.80 ft

Pump placement from TOC 107.80 ft

Well Information:

Well ID GWC-6RZ
Well diameter 2 in
Well Total Depth 112.80 ft
Screen Length 10 ft
Depth to Water 64.68 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 1.006328 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.6 in
Total Volume Pumped 3.92 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:03:36	720.02	15.75	6.80	95.63	5.74	64.73	6.74	85.14
Last 5	10:07:36	960.02	15.75	6.82	95.34	3.26	64.73	6.91	83.29
Last 5	10:11:36	1200.02	15.75	6.85	95.16	2.77	64.73	7.02	83.18
Last 5	10:15:36	1440.02	15.75	6.87	94.30	2.15	64.73	7.15	83.83
Last 5	10:19:36	1680.02	15.76	6.88	93.76	1.81	64.73	7.19	85.76
Variance 0			0.00	0.03	-0.17			0.11	-0.10
Variance 1			0.00	0.02	-0.86			0.13	0.64
Variance 2			0.00	0.01	-0.54			0.04	1.93

Notes

Prepurged 0.5 L
Well performed well

Grab Samples

GWC-6RZ
Metals
GWC-6RZ
TDS

GWC-6RZ
Inorganics



Product Name: Low-Flow System

Date: 2020-03-12 13:30:24

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 121.00 ft

Pump placement from TOC 112.00 ft

Well Information:

Well ID GWC-7Z
Well diameter 2 in
Well Total Depth 117.00 ft
Screen Length 10 ft
Depth to Water 44.36 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 1.025074 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 1.2 in
Total Volume Pumped 5.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:11:10	1921.00	16.96	7.41	231.04	5.43	44.47	3.55	94.23
Last 5	13:15:10	2161.00	17.03	7.45	230.74	4.96	44.47	3.54	99.85
Last 5	13:19:10	2401.00	17.19	7.48	231.14	3.68	44.46	3.55	104.48
Last 5	13:23:10	2641.00	17.19	7.50	230.65	2.88	44.46	3.56	109.72
Last 5	13:27:10	2881.00	17.17	7.53	230.19	2.63	44.46	3.61	113.33
Variance 0			0.16	0.03	0.40			0.02	4.63
Variance 1			0.01	0.02	-0.49			0.00	5.24
Variance 2			-0.02	0.03	-0.46			0.05	3.61

Notes

Prepurged 0.5 L
At time 720, pump rate dropped to 100 mL/min.

Grab Samples

GWC-7Z
Metals
GWC-7Z
TDS

GWC-7Z
Inorganics



Product Name: Low-Flow System

Date: 2020-03-12 15:37:26

Project Information:

Operator Name Kevin Stephenson
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 112 ft

Pump placement from TOC 106.83 ft

Well Information:

Well ID GWC-8RR
Well diameter 2 in
Well Total Depth 111.83 ft
Screen Length 10 ft
Depth to Water 35.22 ft

Pumping Information:

Final Pumping Rate 120 mL/min
Total System Volume 0.9799034 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.72 in
Total Volume Pumped 5.28 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 1000%
Last 5	15:18:29	1679.92	11.01	7.88	192.92	1.55	35.29	9.45	113.40
Last 5	15:22:29	1919.91	10.95	7.93	192.41	1.37	35.28	9.44	115.27
Last 5	15:26:29	2159.89	11.05	7.97	192.46	1.14	35.29	9.50	116.98
Last 5	15:30:29	2399.87	11.10	7.99	192.45	1.19	35.29	9.54	119.00
Last 5	15:34:29	2639.86	11.05	8.02	193.02	1.17	35.28	9.55	121.45
Variance 0			0.09	0.04	0.05			0.06	1.72
Variance 1			0.05	0.03	-0.01			0.04	2.01
Variance 2			-0.05	0.02	0.57			0.00	2.45

Notes

Pre-purged 1 liter.

Grab Samples

GWC-8RR
Metals

GWC-8RR
TDS

GWC-8RR
Inorganics

Product Name: Low-Flow System

Date: 2020-03-13 13:10:54

Project Information:

Operator Name Kevin Stephenson
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 77 ft

Pump placement from TOC 71.37 ft

Well Information:

Well ID GWC-8Z
Well diameter 2 in
Well Total Depth 76.37 ft
Screen Length 10 ft
Depth to Water 35.48 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.8236836 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 6.48 in
Total Volume Pumped 24.08 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 1000%
Last 5	12:52:23	9359.46	10.44	7.49	180.11	13.75	36.22	9.90	94.24
Last 5	12:56:23	9599.45	10.53	7.50	182.00	14.75	36.22	9.93	94.54
Last 5	13:00:23	9839.43	10.62	7.52	183.59	13.69	36.10	9.91	94.62
Last 5	13:04:23	10079.42	10.82	7.54	185.41	14.78	36.06	9.75	94.89
Last 5	13:08:23	10319.40	10.74	7.61	188.05	15.75	36.05	9.75	94.80
Variance 0			0.08	0.02	1.59			-0.02	0.08
Variance 1			0.20	0.02	1.81			-0.16	0.27
Variance 2			-0.08	0.07	2.65			-0.00	-0.09

Notes

Pre-purged 3 liters. Insufficient time to get turbidity down.

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-16 10:44:11

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 76.4 ft

Pump placement from TOC 71.4 ft

Well Information:

Well ID GWC-8Z
Well diameter 2 in
Well Total Depth 76.4 ft
Screen Length 10 ft
Depth to Water 36.33 ft

Pumping Information:

Final Pumping Rate 100 mL/min
Total System Volume 0.8260055 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 5.64 in
Total Volume Pumped 6.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:25:15	3119.83	14.71	6.85	116.41	3.89	36.78	8.58	62.39
Last 5	10:29:15	3359.82	14.68	6.89	122.25	4.65	36.78	8.57	61.99
Last 5	10:33:15	3599.80	14.67	6.93	122.21	4.05	36.78	8.55	61.53
Last 5	10:37:15	3839.79	14.69	6.98	127.15	4.95	36.79	8.46	60.59
Last 5	10:41:15	4079.77	14.68	7.01	131.24	3.84	36.80	8.51	59.97
Variance 0			-0.00	0.04	-0.04			-0.03	-0.45
Variance 1			0.01	0.05	4.94			-0.09	-0.94
Variance 2			-0.01	0.04	4.09			0.05	-0.62

Notes

Prepurged 1L

Grab Samples

GWC-8Z
Metals
GWC-8Z
TDS
GWC-8Z
Inorganics

Product Name: Low-Flow System

Date: 2020-03-12 14:55:31

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 73.2 ft

Pump placement from TOC 68.2 ft

Well Information:

Well ID GWC-9
Well diameter 2 in
Well Total Depth 73.2 ft
Screen Length 10 ft
Depth to Water 32.00 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.8117225 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.24 in
Total Volume Pumped 4.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:36:16	719.98	16.58	4.91	31.99	3.88	32.02	6.85	156.80
Last 5	14:40:16	959.96	16.49	4.86	31.88	2.53	32.02	6.85	165.34
Last 5	14:44:16	1199.95	16.46	4.84	31.85	1.59	32.02	6.87	171.29
Last 5	14:48:16	1439.93	16.47	4.83	31.76	1.33	32.02	6.81	175.72
Last 5	14:52:16	1679.92	16.56	4.82	31.75	1.29	32.02	6.88	178.90
Variance 0			-0.03	-0.02	-0.03			0.02	5.95
Variance 1			0.01	-0.01	-0.09			-0.06	4.43
Variance 2			0.10	-0.00	-0.00			0.06	3.18

Notes

Prepurged 2L

Grab Samples

GWC-9
Metals
GWC-9
TDS
GWC-9
Inorganics

Product Name: Low-Flow System

Date: 2020-03-12 12:29:11

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 71.4 ft

Pump placement from TOC 66.4 ft

Well Information:

Well ID GWC-10
Well diameter 2 in
Well Total Depth 71.4 ft
Screen Length 10 ft
Depth to Water 24.46 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.8036884 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.72 in
Total Volume Pumped 9.36 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:09:27	3359.83	15.84	6.34	130.37	1.11	24.52	8.31	92.98
Last 5	12:13:27	3599.80	15.84	6.37	133.02	1.03	24.52	8.38	93.80
Last 5	12:17:27	3839.79	15.85	6.39	136.11	1.01	24.52	8.41	94.86
Last 5	12:21:27	4079.78	15.89	6.40	131.54	1.09	24.52	8.42	95.59
Last 5	12:25:27	4319.76	15.98	6.43	135.21	0.98	24.52	8.45	95.89
Variance 0			0.00	0.02	3.09			0.03	1.06
Variance 1			0.04	0.01	-4.57			0.01	0.74
Variance 2			0.10	0.03	3.67			0.04	0.29

Notes

Prepurged 2L

Grab Samples

GWC-10
Metals
GWC-10
TDS
GWC-10
Inorganics

Product Name: Low-Flow System

Date: 2020-03-12 13:33:28

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 100.2 ft

Pump placement from TOC 95.2 ft

Well Information:

Well ID GWC-10R
Well diameter 2 in
Well Total Depth 100.2 ft
Screen Length 10 ft
Depth to Water 24.53 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.932235 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:15:18	1439.93	16.33	7.37	245.56	0.69	24.56	6.75	84.51
Last 5	13:19:18	1679.92	16.33	7.41	244.49	0.93	23.56	7.08	84.04
Last 5	13:23:18	1919.91	16.31	7.44	243.76	0.73	24.56	7.36	83.42
Last 5	13:27:18	2159.89	16.38	7.47	242.58	0.58	24.56	7.59	83.16
Last 5	13:31:18	2399.88	16.34	7.49	242.43	0.30	24.56	7.79	82.84
Variance 0			-0.02	0.03	-0.73			0.28	-0.63
Variance 1			0.07	0.03	-1.18			0.24	-0.26
Variance 2			-0.04	0.02	-0.15			0.19	-0.32

Notes

Prepurged 1L

Grab Samples

GWC-10R
Metals
GWC-10R
TDS
GWC-10R
Inorganics

Product Name: Low-Flow System

Date: 2020-03-12 14:54:04

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 51.35 ft

Pump placement from TOC 42.35 ft

Well Information:

Well ID GWC-11
Well diameter 2 in
Well Total Depth 47.35 ft
Screen Length 10 ft
Depth to Water 15.31 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.7141968 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0.48 in
Total Volume Pumped 2.73 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:38:49	540.02	17.63	6.38	85.04	0.75	15.35	4.30	117.15
Last 5	14:41:49	720.02	17.45	6.34	85.54	0.82	15.35	4.30	118.81
Last 5	14:44:49	900.02	17.32	6.31	87.27	0.81	15.35	4.25	120.64
Last 5	14:47:49	1080.02	17.36	6.31	89.07	0.81	15.35	4.24	121.72
Last 5	14:50:49	1260.41	17.48	6.30	89.91	0.80	15.35	4.22	123.12
Variance 0			-0.13	-0.03	1.74			-0.05	1.83
Variance 1			0.04	-0.01	1.80			-0.01	1.08
Variance 2			0.12	-0.01	0.83			-0.02	1.40

Notes

Prepurged 0.5 L
Well performed well

Grab Samples

GWC-11
Metals
GWC-11
TDS

GWC-11
Inorganics



Product Name: Low-Flow System

Date: 2020-03-12 16:06:28

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 87.20 ft

Pump placement from TOC 78.20 ft

Well Information:

Well ID GWC-11R
Well diameter 2 in
Well Total Depth 83.20 ft
Screen Length 10 ft
Depth to Water 15.24 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.8742105 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 3.51 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:51:01	900.02	18.39	7.54	282.23	2.60	15.27	6.15	168.99
Last 5	15:54:01	1080.02	18.33	7.57	282.32	3.21	15.27	6.17	170.32
Last 5	15:57:01	1260.02	18.30	7.58	282.27	3.08	15.27	6.17	171.50
Last 5	16:00:01	1440.02	18.25	7.60	282.08	3.15	15.27	6.14	172.32
Last 5	16:03:01	1620.02	18.30	7.60	282.02	3.01	15.27	6.14	172.97
Variance 0			-0.03	0.01	-0.05			-0.01	1.18
Variance 1			-0.05	0.01	-0.19			-0.02	0.82
Variance 2			0.04	0.01	-0.06			-0.00	0.65

Notes

Prepurged 0.5 L
Well performed adequately

Grab Samples

GWC-11R
Metals
GWC-11R
TDS

GWC-11R
Inorganics
DUP-2
Metals
DUP-2
TDS
DUP-2
Inorganics

Product Name: Low-Flow System

Date: 2020-03-12 16:23:06

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 54.2 ft

Pump placement from TOC 49.2 ft

Well Information:

Well ID GWC-12
Well diameter 2 in
Well Total Depth 54.2 ft
Screen Length 10 ft
Depth to Water 14.73 ft

Pumping Information:

Final Pumping Rate 160 mL/min
Total System Volume 0.7269176 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 3.36 in
Total Volume Pumped 5.28 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:04:18	1679.92	18.28	6.13	105.11	6.76	15.03	0.30	34.71
Last 5	16:08:18	1919.90	18.30	6.15	104.68	6.81	15.01	0.43	31.07
Last 5	16:12:18	2159.89	18.38	6.15	104.15	4.85	15.01	0.46	28.87
Last 5	16:16:18	2399.88	18.30	6.16	105.30	4.12	15.01	0.44	25.97
Last 5	16:20:18	2639.86	18.34	6.17	106.28	3.59	15.01	0.40	23.37
Variance 0			0.08	0.00	-0.53			0.03	-2.20
Variance 1			-0.08	0.01	1.14			-0.02	-2.90
Variance 2			0.05	0.01	0.98			-0.04	-2.60

Notes

Prepurged 1L

Grab Samples

GWC-12
Metals
GWC-12
TDS
GWC-12
Inorganics

Product Name: Low-Flow System

Date: 2020-03-13 12:19:58

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 88.80 ft

Pump placement from TOC 79.80 ft

Well Information:

Well ID GWC-13
Well diameter 2 in
Well Total Depth 84.80 ft
Screen Length 10 ft
Depth to Water 24.01 ft

Pumping Information:

Final Pumping Rate 100 mL/min
Total System Volume 0.8813521 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.84 in
Total Volume Pumped 14.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:00:23	7681.32	17.43	7.25	244.45	5.40	24.08	5.26	136.68
Last 5	12:04:23	7921.32	17.47	7.26	244.02	4.74	24.08	5.24	137.43
Last 5	12:08:23	8161.32	17.51	7.26	243.75	4.91	24.08	5.24	138.09
Last 5	12:12:23	8401.32	17.50	7.26	243.32	4.74	24.08	5.24	139.26
Last 5	12:16:23	8641.32	17.54	7.25	243.64	4.56	24.08	5.26	140.18
Variance 0			0.04	0.00	-0.27			0.00	0.66
Variance 1			-0.02	0.00	-0.43			0.00	1.17
Variance 2			0.05	-0.01	0.32			0.02	0.92

Notes

Prepurged 0.5 L
Well took over two hours for turbidity to stabilize below 5 NTU

Grab Samples

GWC-13
Metals
GWC-13
TDS



Product Name: Low-Flow System

Date: 2020-03-16 13:20:33

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 108.53 ft

Pump placement from TOC 99.53 ft

Well Information:

Well ID GWC-13RZ
Well diameter 2 in
Well Total Depth 104.53 ft
Screen Length 10 ft
Depth to Water 54.21 ft

Pumping Information:

Final Pumping Rate 120 mL/min
Total System Volume 0.9694154 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 483.84 in
Total Volume Pumped 27.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:59:59	10319.87	15.76	7.44	461.71	0.81	89.82	1.80	119.74
Last 5	13:03:59	10559.87	15.73	7.45	462.74	0.61	90.82	1.85	119.95
Last 5	13:07:59	10799.79	15.75	7.45	463.73	0.66	91.82	1.90	120.31
Last 5	13:11:59	11039.79	15.67	7.46	464.07	0.55	92.82	1.93	120.98
Last 5	13:15:59	11279.79	15.70	7.45	465.65	0.64	93.80	1.96	121.29
Variance 0			0.02	0.00	0.98			0.05	0.36
Variance 1			-0.09	0.00	0.34			0.03	0.67
Variance 2			0.03	-0.01	1.58			0.03	0.31

Notes

Prepurged 0.5 L
Head drop would not stabilize. Well pumped to top of screen.

Grab Samples

Report Created: 2020-03-17 13:09:44
 Site: Plant Bowen GWC-13RZ
 GPS:
 Log Created: 2020-03-17 13:08:06
 Number Readings: 11
 Battery Type: SmarTROLLâ„¢ Battery Pack
 Battery SN: 457454
 Device Type: SmarTROLLâ„¢ MP
 Device SN: 597519

Created	Baro (mm)	Temp (C)	RDO (mg/l)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (µS/cm)	Sp Cond (nS/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm³)	TDS (ppt)	Depth (ft)	Pressure (ft)	Air Temp (F)
3/17/2020 13:08	751.2	16.92	9.18	96.2	7.66	131.2	406.1	0.48	0.2	2463	0.999	0	-0.26	-0.111	62.78
3/17/2020 13:08	751.1	16.87	9.2	96.4	7.65	131.2	404.9	0.48	0.2	2470	0.999	0	-0.26	-0.111	62.78
3/17/2020 13:08	751.1	16.83	9.25	96.7	7.65	131.2	405.3	0.48	0.2	2467	0.999	0	-0.26	-0.111	62.96
3/17/2020 13:08	751.1	16.79	9.27	96.8	7.64	131.1	405.6	0.48	0.2	2465	0.999	0	-0.28	-0.12	62.96
3/17/2020 13:08	751.1	16.77	9.29	97	7.64	131.2	406.1	0.48	0.2	2463	0.999	0	-0.26	-0.112	62.96
3/17/2020 13:08	751.1	16.75	9.32	97.2	7.63	131.2	406.4	0.48	0.2	2461	0.999	0	-0.27	-0.117	63.14
3/17/2020 13:09	751.1	16.75	9.34	97.4	7.63	131.3	406.7	0.48	0.2	2459	0.999	0	-0.26	-0.115	63.14
3/17/2020 13:09	751.1	16.76	9.36	97.6	7.63	131.6	407	0.48	0.2	2457	0.999	0	-0.24	-0.104	63.32
3/17/2020 13:09	751.1	16.77	9.36	97.7	7.62	131.8	407.3	0.48	0.2	2455	0.999	0	-0.26	-0.112	63.32
3/17/2020 13:09	751.1	16.79	9.37	97.8	7.62	132.1	407.5	0.48	0.2	2454	0.999	0	-0.25	-0.109	63.32
3/17/2020 13:09	751.1	16.82	9.38	97.9	7.62	132.2	407.7	0.48	0.2	2453	0.999	0	-0.26	-0.111	63.5

Product Name: Low-Flow System

Date: 2020-03-13 13:28:59

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 75.7 ft

Pump placement from TOC 70.7 ft

Well Information:

Well ID GWC-14Z
Well diameter 2 in
Well Total Depth 75.7 ft
Screen Length 10 ft
Depth to Water 23.61 ft

Pumping Information:

Final Pumping Rate 160 mL/min
Total System Volume 0.8228811 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 24.12 in
Total Volume Pumped 3.12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:15:50	719.98	17.76	6.01	121.30	3.51	26.41	4.48	81.41
Last 5	13:18:50	899.97	17.96	6.05	126.25	3.34	26.48	4.51	81.37
Last 5	13:21:50	1079.95	18.16	6.09	126.22	3.82	26.53	4.54	82.65
Last 5	13:24:50	1259.94	18.30	6.12	129.78	3.77	26.59	4.54	82.09
Last 5	13:27:50	1439.93	18.19	6.16	133.32	3.51	26.62	4.59	82.52
Variance 0			0.20	0.04	-0.03			0.03	1.28
Variance 1			0.13	0.04	3.55			0.00	-0.56
Variance 2			-0.11	0.03	3.54			0.05	0.43

Notes

Prepurged 3L

Grab Samples

GWC-14z
Metals

GWC-14z
TDS

GWC-14z
Inorganics

Product Name: Low-Flow System

Date: 2020-03-13 12:21:32

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 95.1 ft

Pump placement from TOC 90.1 ft

Well Information:

Well ID GWC-15R
Well diameter 2 in
Well Total Depth 95.1 ft
Screen Length 10 ft
Depth to Water 32.34 ft

Pumping Information:

Final Pumping Rate 135 mL/min
Total System Volume 0.9094715 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 2.28 in
Total Volume Pumped 14.03 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:02:43	5279.69	18.03	7.55	303.92	6.88	32.53	2.76	42.91
Last 5	12:06:43	5519.69	18.07	7.55	303.48	5.59	32.53	2.78	43.25
Last 5	12:10:43	5759.67	18.03	7.56	303.26	4.72	32.53	2.78	43.37
Last 5	12:14:43	5999.66	18.06	7.56	303.99	4.46	32.53	2.81	43.69
Last 5	12:18:43	6239.65	18.27	7.56	303.33	4.38	42.53	2.83	43.73
Variance 0			-0.04	0.01	-0.22			0.00	0.12
Variance 1			0.03	0.00	0.73			0.03	0.32
Variance 2			0.21	-0.00	-0.66			0.02	0.04

Notes

Prepurged 2L

Grab Samples

GWC-15R
Metals

GWC-15R
TDS

GWC-15R
Inorganics

Product Name: Low-Flow System

Date: 2020-03-13 09:54:09

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 74.5 ft

Pump placement from TOC 69.5 ft

Well Information:

Well ID GWC-15Z
Well diameter 2 in
Well Total Depth 74.5 ft
Screen Length 10 ft
Depth to Water 32.05 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.817525 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 6.72 in
Total Volume Pumped 2.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	09:34:36	240.01	16.83	7.61	198.89	0.77	32.51	6.47	90.06
Last 5	09:38:36	479.99	16.96	7.62	195.56	0.80	32.56	6.73	70.65
Last 5	09:42:36	719.98	16.97	7.63	193.96	0.55	32.61	6.86	64.78
Last 5	09:46:36	959.96	17.01	7.65	193.59	0.39	32.62	6.90	61.07
Last 5	09:50:36	1199.94	17.00	7.68	193.31	0.76	32.63	6.90	58.59
Variance 0			0.01	0.01	-1.60			0.13	-5.87
Variance 1			0.03	0.02	-0.37			0.04	-3.72
Variance 2			-0.00	0.03	-0.28			0.01	-2.47

Notes

Prepurged 1L

Grab Samples

GWC-15Z
Metals

GWC-15Z
TDS

GWC-15Z
Inorganics

DUP-3
Metals
DUP-3
TDS
DUP-3
Inorganics

Product Name: Low-Flow System

Date: 2020-03-04 16:03:51

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642533
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 98 ft

Pump placement from TOC 93 ft

Well Information:

Well ID GWC-16R
Well diameter 2 in
Well Total Depth 98.1 ft
Screen Length 10 ft
Depth to Water 74.63 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.9224155 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 15.96 in
Total Volume Pumped 6.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:44:04	2159.89	15.27	7.35	503.34	0.37	75.87	4.80	92.62
Last 5	15:48:04	2399.88	15.31	7.36	499.32	0.48	75.91	5.08	92.72
Last 5	15:52:04	2639.86	15.35	7.36	498.08	0.44	75.93	5.26	93.26
Last 5	15:56:04	2879.84	15.31	7.37	497.47	0.41	75.95	5.31	94.03
Last 5	16:00:04	3119.83	15.20	7.37	500.89	0.38	75.96	5.28	93.93
Variance 0			0.04	-0.00	-1.24			0.18	0.53
Variance 1			-0.05	0.01	-0.61			0.05	0.78
Variance 2			-0.10	0.00	3.42			-0.03	-0.10

Notes

Prepurged 1L

Grab Samples

GWC-16R
Metals

GWC-16R
TDS

GWC-16R
Inorganics

Product Name: Low-Flow System

Date: 2020-03-04 14:37:36

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642533
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 92 ft

Pump placement from TOC 87 ft

Well Information:

Well ID GWC-17R
Well diameter 2 in
Well Total Depth 92.9 ft
Screen Length 10 ft
Depth to Water 76.43 ft

Pumping Information:

Final Pumping Rate 120 mL/min
Total System Volume 0.8956349 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 80.04 in
Total Volume Pumped 4.3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:19:55	959.96	15.67	7.27	570.90	0.09	79.76	8.07	32.61
Last 5	14:23:55	1199.95	15.67	7.26	571.44	0.11	80.33	8.08	34.47
Last 5	14:27:55	1439.93	16.04	7.25	573.42	0.28	81.22	8.07	35.31
Last 5	14:31:55	1679.92	16.17	7.26	571.00	0.14	82.11	8.05	36.74
Last 5	14:35:55	1919.91	16.16	7.26	570.73	0.21	83.10	8.02	38.84
Variance 0			0.37	-0.00	1.98			-0.02	0.84
Variance 1			0.13	0.00	-2.42			-0.02	1.43
Variance 2			-0.01	-0.00	-0.27			-0.03	2.10

Notes

Prepurged 1L
Complete evacuation, will collect sample on 3/5/20

Grab Samples

Report Created: 2020-03-05 12:44:42
 Site: Plant Bowen GWC-17R
 GPS:
 Log Created: 2020-03-05 12:43:09
 Number Readings: 11
 Battery Type: SmarTROLLâ„¢ Battery Pack
 Battery SN: 457454
 Device Type: SmarTROLLâ„¢ MP
 Device SN: 597519

Created	Baro (mm)	Temp (C)	RDO (mg/l)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (µS/cm)	Sp Cond (nS/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm³)	TDS (ppt)	Depth (ft)	Pressure (ft)	Air Temp (F)
3/5/2020 12:43	743.2	12.79	9.04	87.5	7.36	97.9	455.9	0.59	0.3	2193	1	0	-0.21	-0.091	48.56
3/5/2020 12:43	743.2	12.86	9.04	87.5	7.35	96.8	455.9	0.59	0.3	2193	1	0	-0.21	-0.091	48.56
3/5/2020 12:43	743.2	12.95	8.96	87	7.34	95.5	455.6	0.59	0.3	2195	1	0	-0.21	-0.09	48.56
3/5/2020 12:43	743.3	13.04	8.9	86.5	7.34	94.3	455.5	0.59	0.3	2196	1	0	-0.23	-0.101	48.56
3/5/2020 12:43	743.2	13.12	8.82	85.9	7.33	93	455.4	0.59	0.3	2196	1	0	-0.21	-0.09	48.74
3/5/2020 12:43	743.3	13.18	8.78	85.6	7.32	91.8	455.5	0.59	0.3	2195	1	0	-0.23	-0.098	48.74
3/5/2020 12:44	743.2	13.22	8.72	85.2	7.32	90.6	455.3	0.59	0.3	2196	1	0	-0.19	-0.084	48.74
3/5/2020 12:44	743.2	13.27	8.68	84.9	7.31	89.5	455.2	0.59	0.3	2197	1	0	-0.2	-0.089	48.92
3/5/2020 12:44	743.3	13.31	8.64	84.6	7.31	88.6	455.2	0.59	0.3	2197	1	0	-0.2	-0.088	48.92
3/5/2020 12:44	743.3	13.35	8.61	84.3	7.3	87.6	455.1	0.59	0.3	2197	1	0	-0.21	-0.091	48.92
3/5/2020 12:44	743.3	13.36	8.58	84.2	7.3	86.8	455	0.59	0.3	2198	1	0	-0.19	-0.083	48.92

Product Name: Low-Flow System

Date: 2020-03-06 12:10:11

Project Information:

Operator Name Veronica Fay
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Bladder pump
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 84.3 ft

Pump placement from TOC 79 ft

Well Information:

Well ID GWC-18
Well diameter 2 in
Well Total Depth 80.3 ft
Screen Length 10 ft
Depth to Water 65.95 ft

Pumping Information:

Final Pumping Rate 100 mL/min
Total System Volume 0.5662666 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0 in
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	11:51:42	6239.65	9.88	7.02	211.28	5.75	65.93	7.96	64.50
Last 5	11:55:42	6479.63	10.02	7.02	210.88	5.18	65.93	7.96	65.84
Last 5	11:59:42	6719.61	10.02	7.01	210.00	4.74	65.93	7.95	67.29
Last 5	12:03:42	6959.60	9.97	7.01	209.07	3.94	65.93	7.92	68.89
Last 5	12:07:42	7199.59	9.94	7.01	208.92	3.76	65.93	7.96	70.94
Variance 0			0.00	-0.00	-0.88			-0.01	1.45
Variance 1			-0.05	-0.00	-0.93			-0.03	1.60
Variance 2			-0.03	-0.00	-0.14			0.03	2.05

Notes

Prepurged 3L
Well performed well. No drawdown

Grab Samples

GWC-18
Metals
GWC-18
TDS

GWC-18
Inorganics



Product Name: Low-Flow System

Date: 2020-03-05 15:33:28

Project Information:

Operator Name Veronica Fay
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated pump
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 144 ft

Pump placement from TOC 135.1 ft

Well Information:

Well ID GWC-18R
Well diameter 2 in
Well Total Depth 140.1 ft
Screen Length 10 ft
Depth to Water 66.81 ft

Pumping Information:

Final Pumping Rate 100 mL/min
Total System Volume 1.127733 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0 in
Total Volume Pumped 7.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:13:59	3599.80	8.41	7.78	268.97	5.23	66.63	7.93	50.45
Last 5	15:17:59	3839.79	8.41	7.78	268.94	5.09	66.61	7.95	50.65
Last 5	15:21:59	4079.77	8.43	7.77	268.79	3.81	66.61	7.93	50.82
Last 5	15:25:59	4319.76	8.46	7.77	268.98	3.79	66.60	7.95	50.80
Last 5	15:29:59	4559.75	8.51	7.77	269.28	3.50	66.60	7.94	50.74
Variance 0			0.02	-0.00	-0.15			-0.02	0.18
Variance 1			0.03	0.00	0.19			0.02	-0.03
Variance 2			0.05	0.00	0.30			-0.00	-0.06

Notes

Prepurged 6.5L in attempt to lower turbidity
Well started with high turbidity. Groundwater had slight recharge

Grab Samples

GWC-18R
Metals
GWC-18R
TDS

GWC-18R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-04 16:16:00

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 150.6 ft

Pump placement from TOC 141.6 ft

Well Information:

Well ID GWC-19R
Well diameter 2 in
Well Total Depth 146.6 ft
Screen Length 10 ft
Depth to Water 70.44 ft

Pumping Information:

Final Pumping Rate 110 mL/min
Total System Volume 1.157192 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 1.08 in
Total Volume Pumped 21.16 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:57:42	11164.75	15.98	7.69	290.96	8.87	70.53	6.80	76.78
Last 5	16:00:42	11344.75	15.89	7.69	291.06	8.56	70.52	6.79	77.19
Last 5	16:03:42	11524.75	15.89	7.69	291.25	8.40	70.52	6.79	77.81
Last 5	16:06:42	11704.75	15.89	7.69	291.30	8.32	70.53	6.80	77.98
Last 5	16:09:42	11884.75	15.93	7.68	291.25	7.51	70.53	6.80	78.35
Variance 0			-0.00	-0.00	0.19			0.01	0.62
Variance 1			-0.00	-0.00	0.05			0.01	0.17
Variance 2			0.04	-0.00	-0.05			0.00	0.37

Notes

Prepurged 0.5 L

At 16:06, called Pete Robinson. Well had been stable with exception of turbidity for the last 3 hours. Turbidity was below 10 but above 5 NTU. At 16:10, Pete Robinson called and said to sample. Changed pump rate to 100 mL/min at time 2700 (13:36).

Grab Samples
GWC-19R
Metals
GWC-19R
TDS
GWC-19R
Inorganics

Product Name: Low-Flow System

Date: 2020-03-05 14:28:17

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 91.5 ft

Pump placement from TOC 82.5 ft

Well Information:

Well ID GWC-20R
Well diameter 2 in
Well Total Depth 87.5 ft
Screen Length 10 ft
Depth to Water 64.78 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.8934032 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 1.32 in
Total Volume Pumped 5.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:11:48	1440.02	15.50	7.56	319.18	0.81	64.91	5.06	36.60
Last 5	14:14:48	1620.02	15.48	7.58	321.64	0.67	64.91	5.30	37.32
Last 5	14:17:48	1800.02	15.55	7.59	323.96	0.57	64.90	5.51	37.68
Last 5	14:20:48	1980.02	15.53	7.60	326.86	0.54	64.90	5.66	38.43
Last 5	14:23:48	2160.06	15.52	7.60	329.93	0.48	64.89	5.80	39.09
Variance 0			0.06	0.01	2.32			0.21	0.36
Variance 1			-0.02	0.01	2.90			0.15	0.76
Variance 2			-0.01	0.01	3.07			0.14	0.66

Notes

Prepurged 0.5 L
Well performed adequately

Grab Samples

GWC-20R
Metals
GWC-20R
TDS

GWC-20R
Inorganics
DUP-3
Metals
DUP-3
TDS
DUP-3
Inorganics

Product Name: Low-Flow System

Date: 2020-03-03 16:28:53

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 94.6 ft

Pump placement from TOC 85.6 ft

Well Information:

Well ID GWC-21R
Well diameter 2 in
Well Total Depth 90.6 ft
Screen Length 10 ft
Depth to Water 65.11 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.9072399 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 66.36 in
Total Volume Pumped 9.04 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:10:31	3964.70	17.10	7.08	559.48	1.38	70.34	3.72	49.73
Last 5	16:13:31	4144.70	17.10	7.09	560.65	1.22	70.41	3.92	51.04
Last 5	16:16:31	4324.69	17.10	7.09	561.90	1.13	70.49	4.10	52.05
Last 5	16:19:31	4504.70	17.05	7.10	563.63	0.98	70.55	4.27	53.40
Last 5	16:22:31	4684.70	17.01	7.10	565.42	0.89	70.64	4.41	53.98
Variance 0			0.00	0.01	1.25			0.18	1.02
Variance 1			-0.05	0.01	1.73			0.17	1.35
Variance 2			-0.04	0.00	1.79			0.14	0.58

Notes

Prepurged 1.5 L

Well took a while to stabilize DO. At time 900 (15:20), dropped pump rate to 110 mL/min. Water had small amount of debris and odor.

Grab Samples

GWC-21R
Metals
GWC-21R
TDS

GWC-21R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-03 14:05:27

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 123.6 ft

Pump placement from TOC 114.6 ft

Well Information:

Well ID GWC-22R
Well diameter 2 in
Well Total Depth 119.6 ft
Screen Length 10 ft
Depth to Water 57.26 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 1.036679 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0.48 in
Total Volume Pumped 5.85 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:50:04	1620.02	16.70	7.11	341.89	2.59	57.30	3.61	40.40
Last 5	13:53:04	1800.02	16.67	7.12	340.06	2.37	57.31	3.81	39.58
Last 5	13:56:04	1980.02	16.65	7.14	338.94	2.45	57.30	3.94	39.45
Last 5	13:59:04	2160.02	16.70	7.15	338.69	2.07	57.30	4.03	39.23
Last 5	14:02:04	2340.02	16.76	7.15	338.68	1.94	57.30	4.05	39.56
Variance 0			-0.02	0.02	-1.11			0.13	-0.13
Variance 1			0.05	0.01	-0.25			0.09	-0.22
Variance 2			0.07	0.00	-0.02			0.02	0.33

Notes

Prepurged 1 L
Well performed adequately

Grab Samples

GWC-22R
Metals
GWC-22R
TDS

GWC-22R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-04 14:41:37

Project Information:

Operator Name Veronica Fay
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Bladder pump
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 53 ft

Pump placement from TOC 48 ft

Well Information:

Well ID GWC-23R
Well diameter 2 in
Well Total Depth 49.60 ft
Screen Length 10 ft
Depth to Water 33.74 ft

Pumping Information:

Final Pumping Rate 110 mL/min
Total System Volume 0.4265614 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 74.04 in
Total Volume Pumped 4.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:20:59	1679.92	9.69	7.25	573.60	6.53	38.09	6.13	74.33
Last 5	14:24:59	1919.90	9.74	7.25	572.81	6.10	38.55	6.22	74.62
Last 5	14:28:59	2159.89	9.70	7.25	573.01	5.59	39.00	6.34	74.54
Last 5	14:32:59	2399.88	9.72	7.26	573.09	4.81	39.43	6.39	74.56
Last 5	14:36:59	2639.86	9.79	7.26	572.73	4.27	49.91	6.44	74.50
Variance 0			-0.03	0.01	0.20			0.12	-0.08
Variance 1			0.01	0.00	0.08			0.05	0.02
Variance 2			0.07	0.00	-0.35			0.05	-0.05

Notes

Prepurged 1L

Well has drawdown issue. Tried to stabilize drawdown by pumping at 110ml/min. Groundwater level dropped below top of screen at 1438.

Performing complete evacuation.

Report Created: 2020-03-05 10:10:03
 Site: Plant Bowen **GWC-23R**
 GPS:
 Log Created: 2020-03-05 10:08:27
 Number Readings: 11
 Battery Type: SmarTROLLâ„¢ Battery Pack
 Battery SN: 637617
 Device Type: SmarTROLLâ„¢ MP
 Device SN: 588863

Created	Baro (mba)	Temp (C)	RDO (mg/l)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (µS/cm)	Sp Cond (µS/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm³)	TDS (ppt)	Depth (ft)	Pressure (ft)	Air Temp (C)
3/5/2020 10:08	993.7	7.03	10.15	85.7	7.25	159.1	366.7	557.3	0.3	2727	1	0	0.04	0.015	11.1
3/5/2020 10:08	993.7	7.03	10.15	85.7	7.25	159.1	366.7	557.3	0.3	2727	1	0	0.04	0.015	11.1
3/5/2020 10:08	993.6	7.01	10.08	84.9	7.25	157.1	365.9	557.4	0.3	2733	1	0	0.03	0.014	11.1
3/5/2020 10:08	993.7	7.04	10.02	84.4	7.25	155.3	365.5	556.8	0.3	2736	1	0	0.03	0.012	11.1
3/5/2020 10:08	993.6	7.11	9.98	84.1	7.25	153.6	365.3	555.7	0.3	2737	1	0	0.01	0.003	11.1
3/5/2020 10:09	993.6	7.16	9.94	83.9	7.25	152	365.2	554.7	0.3	2738	1	0	0.01	0.004	11.2
3/5/2020 10:09	993.6	7.21	9.9	83.7	7.25	150.5	365	553.7	0.3	2739	1	0	0.04	0.016	11.2
3/5/2020 10:09	993.6	7.25	9.86	83.4	7.25	149.1	365	552.9	0.3	2740	1	0	0.03	0.012	11.2
3/5/2020 10:09	993.5	7.31	9.83	83.3	7.25	147.8	365.1	552.1	0.3	2739	1	0	0.02	0.008	11.2
3/5/2020 10:09	993.6	7.31	9.81	83.2	7.24	146.6	365.1	551.5	0.3	2739	1	0	0.03	0.015	11.2
3/5/2020 10:09	993.6	7.36	9.76	82.9	7.24	145.4	365.1	550.8	0.3	2739	1	0	0.03	0.013	11.2

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-03 12:11:21

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 44.1 ft

Pump placement from TOC 35.1 ft

Well Information:

Well ID GWC-24R
Well diameter 2 in
Well Total Depth 40.1 ft
Screen Length 10 ft
Depth to Water 18.27 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.681837 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 9.12 in
Total Volume Pumped 3.91 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:54:47	1081.02	16.83	7.54	285.12	0.55	19.04	3.58	39.80
Last 5	11:57:48	1261.92	16.84	7.54	284.93	0.71	19.03	3.59	40.51
Last 5	12:00:50	1443.99	16.83	7.54	285.28	0.83	19.03	3.59	40.81
Last 5	12:03:50	1623.94	16.79	7.55	285.00	0.79	19.03	3.67	41.16
Last 5	12:06:50	1803.92	16.79	7.55	285.88	0.73	19.03	3.49	41.67
Variance 0			-0.01	0.00	0.35			0.00	0.29
Variance 1			-0.04	0.00	-0.28			0.08	0.35
Variance 2			0.00	-0.00	0.88			-0.18	0.52

Notes

Prepurged 3 L
Tiny debris in water (probably ladybug)

Grab Samples

GWC-24R
Metals
GWC-24R
TDS

GWC-24R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-03 10:18:32

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 104.00 ft

Pump placement from TOC 95.0 ft

Well Information:

Well ID GWC-25R
Well diameter 2 in
Well Total Depth 100.00 ft
Screen Length 10 ft
Depth to Water 17.42 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.949196 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0 in
Total Volume Pumped 2.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:02:47	180.08	15.84	7.46	319.82	0.76	17.42	5.67	46.48
Last 5	10:05:47	360.02	15.87	7.51	318.76	0.78	17.42	5.76	43.64
Last 5	10:08:47	540.02	15.86	7.54	318.82	0.59	17.42	5.85	42.38
Last 5	10:11:47	720.02	15.86	7.56	318.86	0.55	17.42	5.86	41.87
Last 5	10:14:49	902.02	15.88	7.56	319.24	0.53	17.42	5.91	41.85
Variance 0			-0.01	0.03	0.06			0.09	-1.26
Variance 1			0.00	0.02	0.04			0.01	-0.50
Variance 2			0.02	0.01	0.38			0.05	-0.03

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWC-25R
Metals
GWC-25R
TDS

GWC-25R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-02 11:22:27

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 85.8 ft

Pump placement from TOC 76.8 ft

Well Information:

Well ID GWA-36
Well diameter 2 in
Well Total Depth 81.8 ft
Screen Length 10 ft
Depth to Water 24.42 ft

Pumping Information:

Final Pumping Rate 110 mL/min
Total System Volume 0.8679616 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0 in
Total Volume Pumped 2.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:00:54	240.17	15.35	6.69	132.66	1.91	24.42	5.57	32.15
Last 5	11:04:54	480.05	15.21	6.63	131.26	2.01	24.42	5.57	30.79
Last 5	11:08:54	720.02	15.09	6.60	131.29	1.69	24.42	5.64	30.74
Last 5	11:12:54	960.02	15.04	6.58	130.79	1.48	24.42	5.62	31.15
Last 5	11:16:54	1200.02	15.17	6.58	131.04	1.18	24.42	5.63	30.55
Variance 0			-0.13	-0.04	0.03			0.06	-0.06
Variance 1			-0.05	-0.01	-0.51			-0.02	0.42
Variance 2			0.13	-0.01	0.26			0.02	-0.61

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWA-36
Metals
GWA-36
TDS

GWA-36
Inorganics



Product Name: Low-Flow System

Date: 2020-03-02 11:19:09

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 364452
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 89 ft

Pump placement from TOC 94 ft

Well Information:

Well ID GWA-36R
Well diameter 2 in
Well Total Depth 89.6 ft
Screen Length 10 ft
Depth to Water 24.06 ft

Pumping Information:

Final Pumping Rate 160 mL/min
Total System Volume 0.8822446 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 3.1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:00:37	240.02	15.75	7.29	303.53	6.62	24.09	5.04	58.99
Last 5	11:04:37	479.99	15.57	7.28	307.07	4.92	24.09	5.05	56.69
Last 5	11:08:37	719.98	15.57	7.26	309.66	4.13	24.09	5.05	55.60
Last 5	11:12:37	959.96	15.53	7.26	311.21	4.32	24.09	5.03	54.88
Last 5	11:16:37	1199.95	15.69	7.24	312.59	3.59	24.09	5.05	54.49
Variance 0			-0.00	-0.02	2.58			0.00	-1.09
Variance 1			-0.04	-0.00	1.56			-0.01	-0.72
Variance 2			0.16	-0.02	1.37			0.01	-0.39

Notes

Prepurged 2 liters

Grab Samples

GWA-36R
Metals

GWA-36R
TDS

GWA-36
Inorganics

Product Name: Low-Flow System

Date: 2020-03-02 14:32:05

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 111.5 ft

Pump placement from TOC 102.5 ft

Well Information:

Well ID GWA-37
Well diameter 2 in
Well Total Depth 107.5 ft
Screen Length 10 ft
Depth to Water 44.00 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.9826716 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 157.32 in
Total Volume Pumped 12.35 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:12:33	6150.49	15.36	5.52	21.42	0.19	56.51	4.20	39.04
Last 5	14:15:33	6330.49	15.24	5.52	21.43	0.19	56.65	4.19	39.31
Last 5	14:18:33	6510.49	15.30	5.52	21.52	0.15	56.81	4.16	39.60
Last 5	14:21:33	6690.49	15.27	5.54	21.59	0.14	56.95	4.14	39.04
Last 5	14:24:33	6870.49	15.41	5.53	21.63	0.11	57.11	4.14	39.80
Variance 0			0.06	0.00	0.09			-0.03	0.29
Variance 1			-0.03	0.02	0.08			-0.02	-0.56
Variance 2			0.14	-0.01	0.04			-0.00	0.76

Notes

Prepurged 1 L
Well took over two hours to stabilize head drop. Changed pumping rate to 100 mL/min at time 1800.

Grab Samples

GWA-37
Metals
GWA-37
TDS

GWA-37
Inorganics



Product Name: Low-Flow System

Date: 2020-03-02 13:22:23

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 364452
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 74 ft

Pump placement from TOC 69 ft

Well Information:

Well ID GWA-38
Well diameter 2 in
Well Total Depth 69.4 ft
Screen Length 10 ft
Depth to Water 49.04 ft

Pumping Information:

Final Pumping Rate 120 mL/min
Total System Volume 0.8152933 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 121 in
Total Volume Pumped 3.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:03:55	719.98	16.29	5.59	41.17	0.62	49.88	7.92	88.35
Last 5	13:07:55	959.96	16.25	5.53	41.18	0.60	49.97	7.92	88.50
Last 5	13:11:55	1199.95	16.30	5.51	40.74	0.58	50.06	7.92	88.27
Last 5	13:15:55	1439.93	16.29	5.50	40.25	0.63	50.10	7.94	87.89
Last 5	13:19:55	1679.92	16.23	5.49	39.70	0.58	50.17	7.95	88.18
Variance 0			0.05	-0.02	-0.44			0.00	-0.23
Variance 1			-0.01	-0.01	-0.49			0.01	-0.38
Variance 2			-0.06	-0.01	-0.55			0.02	0.28

Notes

Prepurged 2 liters

Grab Samples

GWA-38
Metals
GWA-38
TDS
GWA-38
Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 14:02:21

Project Information:

Operator Name Kevin Stephenson
Company Name Resolute
Project Name February 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 141 ft

Pump placement from TOC 135.07 ft

Well Information:

Well ID GWA-39RZ
Well diameter 2 in
Well Total Depth 140.07 ft
Screen Length 10 ft
Depth to Water 47.29 ft

Pumping Information:

Final Pumping Rate 100 mL/min
Total System Volume 1.109343 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 229.92 in
Total Volume Pumped 21.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 1000%
Last 5	13:42:12	11766.32	10.36	7.70	284.40	0.55	66.80	2.70	3.86
Last 5	13:46:15	12009.30	10.32	7.69	283.84	0.56	66.98	2.70	4.41
Last 5	13:50:15	12249.29	10.37	7.69	283.69	0.48	67.16	2.73	4.97
Last 5	13:54:15	12489.27	10.35	7.68	283.21	0.43	66.30	2.76	5.57
Last 5	13:58:15	12729.26	10.30	7.68	282.67	0.49	66.45	2.79	6.14
Variance 0			0.05	-0.01	-0.16			0.03	0.56
Variance 1			-0.02	-0.00	-0.48			0.03	0.61
Variance 2			-0.05	-0.00	-0.54			0.03	0.57

Notes

Pre-purged 2 liters

Grab Samples

GWA-39RZ

Metals

GWA-39RZ

TDS

GWA-39RZ

Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 15:42:44

Project Information:

Operator Name Kevin Stephenson
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 118 ft

Pump placement from TOC 112.50 ft

Well Information:

Well ID GWA-39Z
Well diameter 2 in
Well Total Depth 117.50 ft
Screen Length 10 ft
Depth to Water 50.65 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 1.006684 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 2.52 in
Total Volume Pumped 5.72 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 1000%
Last 5	15:20:58	1679.92	10.44	5.95	35.84	2.33	50.86	9.66	65.94
Last 5	15:24:58	1919.91	10.40	5.92	36.08	2.49	50.86	9.71	69.12
Last 5	15:28:58	2159.89	10.35	5.90	36.44	2.17	50.86	9.73	71.72
Last 5	15:32:59	2400.88	10.40	5.90	36.88	1.77	50.86	9.75	74.11
Last 5	15:36:59	2640.86	10.42	5.90	37.42	1.80	50.86	9.74	76.09
Variance 0			-0.04	-0.02	0.36			0.02	2.60
Variance 1			0.05	-0.00	0.44			0.02	2.39
Variance 2			0.02	-0.00	0.54			-0.02	1.97

Notes

Pre-purged 1 liter.

Grab Samples

GWA-39Z

Metals

GWA-39Z

TDS

GWA-39Z

Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 12:57:08

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 158.80 ft

Pump placement from TOC 149.80 ft

Well Information:

Well ID GWA-40
Well diameter 2 in
Well Total Depth 154.80 ft
Screen Length 10 ft
Depth to Water 56.21 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 1.193792 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0.48 in
Total Volume Pumped 6.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:41:17	2165.52	17.93	7.46	233.68	1.10	56.25	7.08	82.56
Last 5	12:44:17	2345.52	18.08	7.46	235.08	1.12	56.25	7.09	84.68
Last 5	12:47:17	2525.52	18.00	7.47	236.27	1.15	56.25	7.11	85.91
Last 5	12:50:17	2705.52	18.08	7.49	236.51	1.13	56.25	7.19	87.64
Last 5	12:53:17	2885.52	18.26	7.50	237.83	0.99	56.25	7.15	87.67
Variance 0			-0.08	0.02	1.19			0.02	1.23
Variance 1			0.08	0.01	0.25			0.08	1.73
Variance 2			0.18	0.01	1.32			-0.04	0.03

Notes

Prepurged 0.5 L
Well performed adequately

Grab Samples

GWA-40
Metals
GWA-40
TDS

GWA-40
Inorganics



Product Name: Low-Flow System

Date: 2020-03-06 11:02:45

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 106.55 ft

Pump placement from TOC 97.55 ft

Well Information:

Well ID GWA-41
Well diameter 2 in
Well Total Depth 102.55 ft
Screen Length 10 ft
Depth to Water 44.77 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.9605778 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 1.08 in
Total Volume Pumped 2.73 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:46:44	540.02	16.00	6.81	221.22	4.99	44.86	5.37	59.05
Last 5	10:49:44	720.02	16.02	6.83	220.93	5.41	44.86	5.33	57.19
Last 5	10:52:45	900.39	16.06	6.83	219.90	4.99	44.86	5.32	57.11
Last 5	10:55:45	1080.39	16.11	6.83	219.90	4.45	44.86	5.40	58.05
Last 5	10:58:45	1260.39	16.26	6.82	220.50	4.14	44.86	5.52	58.97
Variance 0			0.04	0.00	-1.03			-0.01	-0.08
Variance 1			0.05	-0.00	-0.00			0.09	0.94
Variance 2			0.14	-0.00	0.60			0.12	0.92

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWA-41
Metals
GWA-41
TDS

GWA-41
Inorganics



Product Name: Low-Flow System

Date: 2020-03-09 10:57:21

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 133.80 ft

Pump placement from TOC 124.80 ft

Well Information:

Well ID GWA-41R
Well diameter 2 in
Well Total Depth 129.80 ft
Screen Length 10 ft
Depth to Water 59.13 ft

Pumping Information:

Final Pumping Rate 110 mL/min
Total System Volume 1.082206 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 2.16 in
Total Volume Pumped 2.97 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:42:11	900.02	16.16	6.75	206.10	1.52	59.32	3.70	76.29
Last 5	10:45:11	1080.02	16.20	6.72	205.07	1.51	59.31	3.63	76.64
Last 5	10:48:11	1260.02	16.15	6.71	204.37	1.57	59.31	3.53	76.94
Last 5	10:51:12	1441.02	16.36	6.70	203.87	1.48	59.31	3.44	77.42
Last 5	10:54:12	1621.02	16.56	6.70	203.31	1.47	59.31	3.39	78.03
Variance 0			-0.05	-0.01	-0.70			-0.09	0.30
Variance 1			0.21	-0.01	-0.49			-0.09	0.48
Variance 2			0.20	-0.00	-0.57			-0.05	0.61

Notes

Prepurged 0.5 L
Well performed well

Grab Samples

GWA-41R
Metals
GWA-41R
TDS

GWA-41R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-06 12:20:46

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 88.4 ft

Pump placement from TOC 79.4 ft

Well Information:

Well ID GWA-42
Well diameter 2 in
Well Total Depth 84.4 ft
Screen Length 10 ft
Depth to Water 64.70 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.8795667 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 2.52 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	12:05:18	360.02	16.33	7.31	279.39	2.87	64.75	3.91	43.59
Last 5	12:08:18	540.02	16.34	7.36	280.09	3.35	64.74	3.86	42.77
Last 5	12:11:18	720.02	16.34	7.39	279.46	3.14	64.74	3.82	42.87
Last 5	12:14:18	900.02	16.34	7.40	279.33	2.80	64.74	3.81	42.61
Last 5	12:17:18	1080.02	16.28	7.42	277.80	2.47	64.73	3.81	42.77
Variance 0			-0.01	0.03	-0.63			-0.04	0.10
Variance 1			0.00	0.02	-0.14			-0.01	-0.27
Variance 2			-0.06	0.01	-1.52			-0.00	0.17

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWA-42
Metals
GWA-42
TDS

GWA-42
Inorganics
DUP-4
Metals
DUP-4
TDS
DUP-4
Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 14:11:57

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 96.55 ft

Pump placement from TOC 87.55 ft

Well Information:

Well ID GWA-43
Well diameter 2 in
Well Total Depth 92.55 ft
Screen Length 10 ft
Depth to Water 40.75 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.9159435 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 2.52 in
Total Volume Pumped 2.94 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:56:38	540.09	17.01	5.62	24.37	2.25	40.69	7.65	87.40
Last 5	13:59:38	720.05	16.93	5.56	24.04	2.20	40.69	7.65	89.20
Last 5	14:02:38	900.02	16.86	5.53	24.06	2.16	40.69	7.65	90.90
Last 5	14:05:38	1080.02	16.83	5.52	24.15	1.93	40.69	7.65	92.39
Last 5	14:08:40	1262.02	16.79	5.50	24.03	1.92	40.69	7.69	94.07
Variance 0			-0.07	-0.03	0.02			0.00	1.70
Variance 1			-0.03	-0.01	0.09			-0.00	1.49
Variance 2			-0.04	-0.02	-0.12			0.03	1.68

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWA-43
Metals
GWA-43
TDS

GWA-43
Inorganics



Product Name: Low-Flow System

Date: 2020-03-09 15:37:11

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 116.82 ft

Pump placement from TOC 107.82 ft

Well Information:

Well ID GWA-43R
Well diameter 2 in
Well Total Depth 112.82 ft
Screen Length 10 ft
Depth to Water 41.10 ft

Pumping Information:

Final Pumping Rate 120 mL/min
Total System Volume 1.006417 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0.6 in
Total Volume Pumped 6.84 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:22:00	2701.02	16.65	7.72	261.23	3.19	41.14	6.23	107.17
Last 5	15:25:00	2881.02	16.52	7.73	261.97	3.31	41.15	6.23	107.75
Last 5	15:28:00	3061.02	16.47	7.72	261.70	3.58	41.15	6.35	109.03
Last 5	15:31:00	3241.02	16.49	7.72	261.64	3.45	41.15	6.35	109.62
Last 5	15:34:00	3421.49	16.51	7.73	261.12	3.30	41.15	6.29	110.22
Variance 0			-0.05	-0.01	-0.27			0.12	1.28
Variance 1			0.02	0.00	-0.06			-0.00	0.59
Variance 2			0.02	0.01	-0.52			-0.06	0.60

Notes

Prepurged 0.5 L
Well performed adequately

Grab Samples

GWA-43R
Metals
GWA-43R
TDS

GWA-43R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-10 14:45:32

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 88.8 ft

Pump placement from TOC 83.8 ft

Well Information:

Well ID GWC-44
Well diameter 2 in
Well Total Depth 88.8 ft
Screen Length 10 ft
Depth to Water 40.09 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.8813521 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 6.12 in
Total Volume Pumped 3.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:27:13	479.99	17.54	4.50	145.90	0.99	40.46	3.49	142.30
Last 5	14:31:13	719.98	17.54	4.46	145.47	0.44	40.51	3.52	150.13
Last 5	14:35:13	959.96	17.49	4.45	144.96	0.44	40.53	3.51	154.89
Last 5	14:39:13	1199.95	17.46	4.44	144.89	0.20	40.56	3.53	157.84
Last 5	14:43:13	1439.93	17.46	4.44	144.93	0.12	40.60	3.52	159.24
Variance 0			-0.05	-0.01	-0.50			-0.00	4.76
Variance 1			-0.03	-0.01	-0.07			0.02	2.95
Variance 2			0.01	-0.01	0.04			-0.01	1.39

Notes

Prepurged 2L

Grab Samples

GWC-44
Metals
GWC-44
TDS
GWC-44
Inorganics

Product Name: Low-Flow System

Date: 2020-03-10 14:03:47

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 71.43 ft

Pump placement from TOC 62.43 ft

Well Information:

Well ID GWC-45
Well diameter 2 in
Well Total Depth 67.43 ft
Screen Length 10 ft
Depth to Water 32.27 ft

Pumping Information:

Final Pumping Rate 100 mL/min
Total System Volume 0.8038223 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 34.32 in
Total Volume Pumped 3.61 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:47:08	1440.80	18.08	4.99	23.50	0.89	34.60	5.95	59.91
Last 5	13:50:08	1620.80	17.83	4.98	23.70	0.91	34.70	5.96	60.71
Last 5	13:53:08	1800.80	17.72	4.99	23.55	1.08	34.95	5.97	61.39
Last 5	13:56:09	1981.80	17.70	4.99	23.74	1.07	35.03	5.95	62.61
Last 5	13:59:15	2167.80	17.66	4.98	23.48	1.00	35.13	5.94	64.36
Variance 0			-0.11	0.00	-0.16			0.01	0.68
Variance 1			-0.02	0.00	0.19			-0.02	1.23
Variance 2			-0.04	-0.01	-0.25			-0.01	1.74

Notes

Prepurged 1 L

Grab Samples

GWC-45
Metals
GWC-45
TDS
GWC-45
Inorganics

Product Name: Low-Flow System

Date: 2020-03-10 15:04:23

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 132.10 ft

Pump placement from TOC 123.10 ft

Well Information:

Well ID GWC-45R
Well diameter 2 in
Well Total Depth 128.10 ft
Screen Length 10 ft
Depth to Water 41.97 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 1.074618 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0.96 in
Total Volume Pumped 2.94 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:48:35	540.02	17.48	7.00	365.25	0.40	42.05	4.05	88.66
Last 5	14:51:35	720.02	17.53	7.02	365.93	0.38	42.05	4.17	91.90
Last 5	14:54:35	900.02	17.59	7.03	365.92	0.40	42.05	4.18	94.28
Last 5	14:57:35	1080.02	17.83	7.05	366.10	0.40	42.05	4.18	96.29
Last 5	15:00:35	1260.03	17.83	7.05	365.36	0.40	42.05	4.21	98.70
Variance 0			0.06	0.01	-0.01			0.02	2.38
Variance 1			0.24	0.01	0.18			0.00	2.01
Variance 2			-0.00	0.01	-0.74			0.02	2.41

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWC-45R
Metals
GWC-45R
TDS

GWC-45R
Inorganics
DUP-2
Metals
DUP-2
TDS
DUP-2
Inorganics

Product Name: Low-Flow System

Date: 2020-03-10 13:37:58

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 58.8 ft

Pump placement from TOC 53.8 ft

Well Information:

Well ID GWC-46R
Well diameter 2 in
Well Total Depth 58.8 ft
Screen Length 10 ft
Depth to Water 29.20 ft

Pumping Information:

Final Pumping Rate 120 mL/min
Total System Volume 0.7474492 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 11.28 in
Total Volume Pumped 2.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:19:14	479.99	16.71	7.51	455.53	0.30	30.01	6.99	46.07
Last 5	13:23:14	719.98	16.74	7.48	456.88	1.00	30.08	7.02	44.48
Last 5	13:27:14	959.96	16.77	7.47	457.57	0.16	30.11	7.04	43.06
Last 5	13:31:14	1199.95	16.87	7.45	458.35	0.18	30.13	7.07	41.81
Last 5	13:35:14	1439.93	17.45	7.44	458.85	0.13	30.14	7.06	41.00
Variance 0			0.03	-0.02	0.69			0.01	-1.43
Variance 1			0.10	-0.01	0.78			0.03	-1.24
Variance 2			0.58	-0.01	0.50			-0.00	-0.81

Notes

Prepurged 1L

Grab Samples

GWC-46R
Metals

GWC-46R
TDS

GWC-46R
Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 15:35:43

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 67.33 ft

Pump placement from TOC 62.33 ft

Well Information:

Well ID GWC-47
Well diameter 2 in
Well Total Depth 67.33 ft
Screen Length 10 ft
Depth to Water 30.67 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.7855223 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.12 in
Total Volume Pumped 3.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:17:03	719.98	17.85	7.03	217.20	4.34	30.68	3.18	58.27
Last 5	15:21:03	959.96	17.81	7.10	217.25	3.54	30.68	3.19	55.42
Last 5	15:25:03	1199.95	17.78	7.12	216.25	3.73	30.68	3.20	53.99
Last 5	15:29:03	1439.94	17.72	7.16	215.56	3.32	30.68	3.21	51.76
Last 5	15:33:03	1679.92	17.72	7.19	214.61	3.47	30.68	3.23	50.27
Variance 0			-0.03	0.03	-0.99			0.00	-1.43
Variance 1			-0.06	0.04	-0.69			0.01	-2.24
Variance 2			-0.00	0.02	-0.95			0.02	-1.48

Notes

Prepurged 2L

Grab Samples

GWC-47
Metals
GWC-47
TDS
GWC-47
Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 16:26:52

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 84.4 ft

Pump placement from TOC 79.4 ft

Well Information:

Well ID GWC-47R
Well diameter 2 in
Well Total Depth 84.4 ft
Screen Length 10 ft
Depth to Water 30.66 ft

Pumping Information:

Final Pumping Rate 125 mL/min
Total System Volume 0.8617129 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 29.4 in
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	16:08:31	479.99	17.81	7.44	317.17	0.62	33.14	2.42	37.76
Last 5	16:12:31	719.98	18.28	7.47	317.86	0.18	33.22	2.29	37.83
Last 5	16:16:31	959.96	18.48	7.49	313.95	0.80	33.14	2.22	38.44
Last 5	16:20:31	1199.95	18.26	7.51	313.61	0.64	33.12	2.12	38.26
Last 5	16:24:31	1439.93	18.08	7.51	312.30	0.70	33.12	1.90	38.54
Variance 0			0.20	0.02	-3.90			-0.07	0.61
Variance 1			-0.21	0.01	-0.34			-0.10	-0.18
Variance 2			-0.19	0.00	-1.31			-0.22	0.28

Notes

Prepurged 2L

Grab Samples

GWC-47R
Metals

GWC-47R
TDS

GWC-47R
Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 14:20:49

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 58.0 ft

Pump placement from TOC 53.0 ft

Well Information:

Well ID GWC-48
Well diameter 2 in
Well Total Depth 58.0 ft
Screen Length 10 ft
Depth to Water 27.21 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.7438785 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.68 in
Total Volume Pumped 7.3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:01:56	2159.89	17.72	5.22	52.00	0.42	27.35	3.37	101.13
Last 5	14:05:56	2399.88	17.63	5.20	50.30	0.53	27.35	3.49	103.90
Last 5	14:09:56	2639.86	17.59	5.20	50.15	0.61	27.30	3.59	105.79
Last 5	14:13:56	2879.85	17.53	5.19	48.03	0.48	27.35	3.73	107.41
Last 5	14:17:56	3119.84	17.53	5.18	48.28	0.61	27.35	3.81	109.42
Variance 0			-0.05	-0.00	-0.15			0.10	1.89
Variance 1			-0.05	-0.01	-2.11			0.13	1.62
Variance 2			0.00	-0.01	0.25			0.08	2.02

Notes

Prepurged 2L

Grab Samples

GWC-48
Metals
GWC-48
TDS
GWC-48
Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 11:13:31

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 134.3 ft

Pump placement from TOC 129.3 ft

Well Information:

Well ID GWC-49R
Well diameter 2 in
Well Total Depth 134.3 ft
Screen Length 10 ft
Depth to Water 46.23 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 1.084438 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 1.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	11:01:04	240.01	17.05	7.14	224.37	0.80	46.26	0.67	47.88
Last 5	11:05:04	479.99	17.17	8.66	162.16	1.22	46.26	0.84	55.35
Last 5	11:09:04	719.98	17.19	10.17	153.56	0.38	46.26	0.90	55.23
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.11	1.52	-62.21			0.17	7.47
Variance 2			0.02	1.51	-8.60			0.06	-0.13

Notes

Prepurged 2L
pH rose to above 10. Going to recalibrate troll and restart low flow.

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-09 12:55:59

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 134.3 ft

Pump placement from TOC 129.3 ft

Well Information:

Well ID GWC-49R
Well diameter 2 in
Well Total Depth 134.3 ft
Screen Length 10 ft
Depth to Water 42.23 ft

Pumping Information:

Final Pumping Rate 110 mL/min
Total System Volume 1.084438 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 1.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:36:45	240.01	18.36	10.57	204.18	1.22	46.26	1.65	72.76
Last 5	12:40:45	479.99	19.04	10.65	203.73	1.66	46.26	1.28	65.82
Last 5	12:44:45	719.98	19.15	10.73	205.78	1.88	46.26	1.14	60.14
Last 5	12:48:45	959.96	19.14	10.76	206.45	1.27	46.26	1.19	56.28
Last 5									
Variance 0			0.68	0.09	-0.44			-0.37	-6.94
Variance 1			0.11	0.08	2.05			-0.14	-5.68
Variance 2			-0.00	0.03	0.67			0.05	-3.86

Notes

Prepurged 1L
pH over 10.5. Called Pete Robinson, he is checking on this well. Stopped low flow, Pete asked to redevelop well. Will grab equipment tonight and redevelop on 3/10/20

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-10 12:08:41

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Geotech Reclaimer
Tubing Type LDPE
Tubing Diameter .375 in
Tubing Length 134.4 ft

Pump placement from TOC 129.4 ft

Well Information:

Well ID GWC-49R
Well diameter 2 in
Well Total Depth 134.4 ft
Screen Length 10 ft
Depth to Water 46.27 ft

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 3.403986 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.6 in
Total Volume Pumped 61 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 1000%
Stabilization									
Last 5	11:51:27	3119.83	16.11	8.03	269.85	8.94	46.33	4.79	31.31
Last 5	11:55:27	3359.82	16.11	7.99	273.94	6.79	46.33	4.74	30.56
Last 5	11:59:27	3599.81	16.20	7.96	277.06	4.90	46.33	4.64	29.88
Last 5	12:03:27	3839.79	16.20	7.92	280.01	3.22	46.33	4.54	28.80
Last 5	12:07:27	4079.78	16.29	7.92	280.23	3.59	46.33	4.52	28.26
Variance 0			0.09	-0.04	3.12			-0.10	-0.68
Variance 1			0.00	-0.03	2.94			-0.10	-1.08
Variance 2			0.08	-0.01	0.23			-0.02	-0.53

Notes

Well Development
Well is developed

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-11 15:43:34

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 134.4 ft

Pump placement from TOC 129.4 ft

Well Information:

Well ID GWC-49R
Well diameter 2 in
Well Total Depth 134.4 ft
Screen Length 10 ft
Depth to Water 46.34 ft

Pumping Information:

Final Pumping Rate 175 mL/min
Total System Volume 1.084884 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.24 in
Total Volume Pumped 7.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	15:24:30	1679.92	17.59	8.31	221.47	1.20	46.36	6.43	90.25
Last 5	15:28:30	1919.90	17.58	8.28	221.49	1.25	46.36	6.42	90.12
Last 5	15:32:30	2159.89	17.78	8.25	220.41	1.07	46.36	6.42	89.71
Last 5	15:36:30	2399.88	17.78	8.21	220.55	1.11	46.36	6.41	90.14
Last 5	15:40:30	2639.86	17.81	8.19	220.79	0.68	46.36	6.41	90.12
Variance 0			0.20	-0.03	-1.09			-0.00	-0.42
Variance 1			0.00	-0.03	0.15			-0.01	0.43
Variance 2			0.02	-0.02	0.23			0.00	-0.01

Notes

Prepurged 1L

Grab Samples

GWC-49R

Metals

GWC-49R

TDS

GWC-49R

Inorganics

Product Name: Low-Flow System

Date: 2020-03-09 10:21:19

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 94.55 ft

Pump placement from TOC 89.55 ft

Well Information:

Well ID GWC-49Z
Well diameter 2 in
Well Total Depth 94.55 ft
Screen Length 10 ft
Depth to Water 45.53 ft

Pumping Information:

Final Pumping Rate 125 mL/min
Total System Volume 0.9070166 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 10.92 in
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	09:57:04	240.03	15.15	5.71	25.00	1.62	46.08	6.52	44.36
Last 5	10:01:04	479.99	15.58	5.67	24.73	1.72	46.16	6.43	44.59
Last 5	10:05:04	719.98	15.70	5.65	24.80	1.69	46.23	6.43	47.31
Last 5	10:09:04	959.96	15.80	5.64	24.64	1.55	46.29	6.47	48.94
Last 5	10:17:03	1439.93	16.02	5.60	23.76	1.63	46.44	6.68	53.75
Variance 0			0.12	-0.02	0.06			0.01	2.73
Variance 1			0.09	-0.01	-0.16			0.04	1.63
Variance 2			0.22	-0.03	-0.88			0.21	4.81

Notes

Prepurged 2L

Grab Samples

GWC-49Z

Metals

GWC-49Z

TDS

GWC-49Z

Inorganics

Product Name: Low-Flow System

Date: 2020-03-11 13:36:58

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642531
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 96.7 ft

Pump placement from TOC 91.7 ft

Well Information:

Well ID GWA-50
Well diameter 2 in
Well Total Depth 96.7 ft
Screen Length 10 ft
Depth to Water 47.99 ft

Pumping Information:

Final Pumping Rate 125 mL/min
Total System Volume 0.916613 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 149.16 in
Total Volume Pumped 16.01 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	13:17:43	6719.62	16.76	5.55	17.65	0.58	60.28	7.06	146.67
Last 5	13:21:43	6959.60	16.74	5.55	17.76	0.61	60.49	7.02	147.28
Last 5	13:25:43	7199.59	16.91	5.58	17.82	0.77	60.43	6.94	146.77
Last 5	13:29:43	7439.57	16.92	5.57	17.95	0.61	60.42	6.90	147.53
Last 5	13:33:43	7679.56	17.00	5.57	18.02	0.53	60.42	6.88	148.43
Variance 0			0.17	0.03	0.06			-0.08	-0.51
Variance 1			0.01	-0.01	0.12			-0.04	0.76
Variance 2			0.09	-0.00	0.07			-0.02	0.90

Notes

Prepurged 1L

Grab Samples

GWA-50
Metals
GWA-50
TDS
GWA-50
Inorganics

Product Name: Low-Flow System

Date: 2020-03-11 14:51:10

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 149.53 ft

Pump placement from TOC 140.53 ft

Well Information:

Well ID GWA-50R
Well diameter 2 in
Well Total Depth 145.53 ft
Screen Length 10 ft
Depth to Water 63.78 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 1.152416 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.84 in
Total Volume Pumped 4.48 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	14:31:49	960.02	16.56	5.49	17.76	0.27	63.85	10.00	128.45
Last 5	14:35:49	1200.02	16.56	5.43	17.64	0.22	63.85	10.02	128.71
Last 5	14:39:49	1440.02	16.50	5.40	17.68	0.20	63.85	10.33	129.12
Last 5	14:43:49	1680.02	16.47	5.39	17.76	0.25	63.85	10.27	129.30
Last 5	14:47:49	1920.02	16.47	5.40	17.83	0.17	63.85	10.25	128.72
Variance 0			-0.06	-0.02	0.03			0.31	0.40
Variance 1			-0.03	-0.01	0.08			-0.06	0.18
Variance 2			-0.00	0.01	0.08			-0.02	-0.59

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWA-50R
Metals
GWA-50R
TDS

GWA-50R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-02 16:27:57

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 364452
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 99 ft

Pump placement from TOC 94 ft

Well Information:

Well ID GWA-51RZ
Well diameter 2 in
Well Total Depth 94.2 ft
Screen Length 10 ft
Depth to Water 49.06 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.9268789 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 362.4 in
Total Volume Pumped 29 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	16:05:42	4079.78	16.38	7.46	373.95	0.75	77.10	5.05	12.14
Last 5	16:13:42	4559.74	16.33	7.46	373.74	0.47	80.36	5.06	13.30
Last 5	16:17:42	4799.73	16.32	7.47	373.53	0.77	82.05	5.05	13.90
Last 5	16:21:42	5039.72	16.32	7.47	373.69	0.62	83.38	5.00	14.38
Last 5	16:25:42	5279.70	16.33	7.48	373.43	0.51	84.73	4.94	15.01
Variance 0			-0.01	0.01	-0.21			-0.00	0.60
Variance 1			-0.00	0.00	0.17			-0.06	0.48
Variance 2			0.01	0.01	-0.26			-0.06	0.63

Notes

Prepurged 2 liters
Complete evacuation. Will sample on 3/3/20

Grab Samples

Report Created: 2020-03-03 10:08:06
 Site: Plant Bowen GWA-51RZ
 GPS:
 Log Created: 2020-03-03 10:06:31
 Number Readings: 11
 Battery Type: SmarTROLLâ„¢ Battery Pack
 Battery SN: 609178
 Device Type: SmarTROLLâ„¢ MP
 Device SN: 642533

Created	Baro (mba)	Temp (C)	RDO (mg/l)	RDO Sat (%)	pH (pH)	ORP (mV)	Act Cond (µS/cm)	Sp Cond (µS/cm)	Salinity (psu)	Resist (Ohm-cm)	Density (g/cm³)	TDS (ppt)	Depth (ft)	Pressure (ft)	Air Temp (C)
3/3/2020 10:06	987.4	16.47	7.65	80.5	7.73	120.4	470.8	562.3	0.3	2124	0.999	0	-0.4	-0.174	17.8
3/3/2020 10:06	987.4	16.47	7.65	80.5	7.73	115.5	470.8	562.3	0.3	2124	0.999	0	-0.4	-0.174	17.8
3/3/2020 10:06	987.4	16.41	7.59	79.8	7.73	113.4	445	531.9	0.3	2247	0.999	0	-0.42	-0.183	17.8
3/3/2020 10:06	987.4	16.37	7.53	79	7.73	116.6	461.5	552.4	0.3	2167	0.999	0	-0.41	-0.179	17.8
3/3/2020 10:07	987.4	16.31	7.49	78.6	7.72	113.4	447.9	536.7	0.3	2233	0.999	0	-0.46	-0.2	17.8
3/3/2020 10:07	987.4	16.29	7.49	78.5	7.7	109.5	406.8	487.9	0.2	2458	0.999	0	-0.43	-0.188	17.8
3/3/2020 10:07	987.4	16.25	7.45	78	7.7	107.1	427.4	513.1	0.2	2340	0.999	0	-0.44	-0.189	17.8
3/3/2020 10:07	987.4	16.21	7.42	77.7	7.71	101.8	419	503.3	0.2	2387	0.999	0	-0.44	-0.189	17.9
3/3/2020 10:07	987.4	16.21	7.41	77.5	7.7	99.4	393.5	473	0.2	2541	0.999	0	-0.45	-0.194	17.9
3/3/2020 10:07	987.4	16.21	7.4	77.4	7.71	100.2	394.6	474.3	0.2	2534	0.999	0	-0.43	-0.185	17.9
3/3/2020 10:08	987.5	16.21	7.35	76.9	7.71	97.4	387	465.1	0.2	2584	0.999	0	-0.42	-0.18	17.9

Product Name: Low-Flow System

Date: 2020-03-02 16:28:15

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Dedicated
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 88.0 ft

Pump placement from TOC 79.0 ft

Well Information:

Well ID GWA-52
Well diameter 2 in
Well Total Depth 84.0 ft
Screen Length 10 ft
Depth to Water 49.99 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.8777813 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0 in
Total Volume Pumped 3.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	16:12:12	1081.02	16.12	7.34	287.38	0.39	49.99	6.09	55.03
Last 5	16:15:13	1262.02	16.13	7.37	288.63	0.49	49.98	6.00	54.71
Last 5	16:18:13	1442.02	16.12	7.40	289.74	0.54	49.98	5.94	55.25
Last 5	16:21:13	1622.02	16.15	7.42	290.90	0.48	49.99	5.86	55.57
Last 5	16:24:13	1802.02	16.08	7.44	292.02	0.43	49.98	5.81	56.16
Variance 0			-0.01	0.03	1.11			-0.06	0.54
Variance 1			0.03	0.02	1.16			-0.08	0.32
Variance 2			-0.07	0.02	1.12			-0.05	0.59

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWA-52
Metals
GWA-52
TDS

GWA-52
Inorganics
DUP-1
Metals
DUP-1
TDS
DUP-1
Inorganics

Product Name: Low-Flow System

Date: 2020-03-04 11:13:49

Project Information:

Operator Name William Laaker
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Bladder
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 125.9 ft

Pump placement from TOC 115.9 ft

Well Information:

Well ID GWA-53
Well diameter 2 in
Well Total Depth 120.9 ft
Screen Length 10 ft
Depth to Water 51.09 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.751945 L
Calculated Sample Rate 180 sec
Stabilization Drawdown 0.36 in
Total Volume Pumped 7.14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Stabilization									
Last 5	10:58:25	2340.02	16.22	7.62	266.86	5.04	51.12	7.84	45.76
Last 5	11:01:26	2520.90	16.21	7.63	267.11	4.58	51.12	7.97	45.99
Last 5	11:04:26	2700.90	16.24	7.63	266.96	4.43	51.12	7.94	46.15
Last 5	11:07:26	2880.90	16.20	7.63	266.76	4.44	51.12	7.89	46.68
Last 5	11:10:26	3060.90	16.20	7.63	266.91	4.17	51.12	7.92	47.37
Variance 0			0.03	0.00	-0.16			-0.02	0.16
Variance 1			-0.03	0.00	-0.20			-0.05	0.52
Variance 2			-0.00	-0.00	0.16			0.02	0.70

Notes

Prepurged 1 L
Well performed well

Grab Samples

GWA-53
Metals
GWA-53
TDS

GWA-53
Inorganics



Product Name: Low-Flow System

Date: 2020-03-04 12:11:26

Project Information:

Operator Name Veronica Fay
Company Name Resolute
Project Name March 2020 Landfill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 588863
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Bladder pump
Tubing Type LDPE
Tubing Diameter 0.17 in
Tubing Length 172.8 ft

Pump placement from TOC 163.8 ft

Well Information:

Well ID GWA-53R
Well diameter 2 in
Well Total Depth 168.6 ft
Screen Length 10 ft
Depth to Water 45.2 ft

Pumping Information:

Final Pumping Rate 100 mL/min
Total System Volume 0.9612795 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 25.8 in
Total Volume Pumped 3.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	11:49:34	1199.95	10.21	7.75	278.77	1.50	47.21	15.04	77.85
Last 5	11:53:34	1439.95	10.24	7.75	278.78	1.37	47.30	15.75	78.02
Last 5	11:57:34	1679.92	10.26	7.75	279.12	1.59	47.30	16.69	78.63
Last 5	12:01:34	1919.91	10.27	7.75	278.49	1.26	47.35	16.50	80.83
Last 5	12:05:34	2159.89	10.35	7.72	277.94	1.23	47.35	15.86	80.37
Variance 0			0.02	-0.00	0.34			0.93	0.61
Variance 1			0.01	0.00	-0.62			-0.18	2.21
Variance 2			0.08	-0.03	-0.55			-0.65	-0.47

Notes

Prepurged 8.75L

Well has organic film and tiny organic bubbles in groundwater. Dead bees/wasps in stick up. Possible organic impact from dead insects

Grab Samples

GWA-53R
Metals
GWA-53R
TDS

GWA-53R
Inorganics



Product Name: Low-Flow System

Date: 2020-03-03 13:20:43

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642533
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 81 ft

Pump placement from TOC 76 ft

Well Information:

Well ID GWA-54
Well diameter 2 in
Well Total Depth 76.1 ft
Screen Length 10 ft
Depth to Water 44.32 ft

Pumping Information:

Final Pumping Rate 130 mL/min
Total System Volume 0.8465373 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.12 in
Total Volume Pumped 3.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	13:02:55	1439.93	18.53	7.50	221.67	1.86	44.33	4.22	14.07
Last 5	13:06:55	1679.92	18.43	7.52	223.30	1.28	44.33	4.11	13.18
Last 5	13:10:55	1919.91	18.26	7.56	224.54	2.12	44.33	4.04	12.38
Last 5	13:14:55	2159.89	18.16	7.59	224.82	0.95	44.33	4.03	12.77
Last 5	13:18:55	2399.87	18.08	7.59	230.14	1.10	44.33	4.03	13.60
Variance 0			-0.17	0.04	1.24			-0.06	-0.80
Variance 1			-0.10	0.02	0.28			-0.01	0.39
Variance 2			-0.08	0.01	5.32			-0.00	0.83

Notes

Prepurged 2L

Grab Samples

GWA-54
Metals
GWA-54
TDS
GWA-54
Inorganics

Product Name: Low-Flow System

Date: 2020-03-03 15:11:05

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Field Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642533
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 65 ft

Pump placement from TOC 60 ft

Well Information:

Well ID GWA-55
Well diameter 2 in
Well Total Depth 65.2 ft
Screen Length 10 ft
Depth to Water 36.52 ft

Pumping Information:

Final Pumping Rate 140 mL/min
Total System Volume 0.7751225 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.12 in
Total Volume Pumped 4.1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	14:52:51	240.01	17.46	7.08	365.24	1.13	36.53	4.60	22.28
Last 5	14:56:51	479.99	17.42	7.04	360.17	0.82	36.53	4.62	24.17
Last 5	15:00:51	719.98	17.41	7.01	355.55	0.41	36.53	4.62	25.73
Last 5	15:04:51	959.96	17.39	6.98	350.81	0.63	36.53	4.65	27.07
Last 5	15:08:51	1199.94	17.39	6.95	345.73	0.55	36.53	4.69	28.73
Variance 0			-0.01	-0.03	-4.61			-0.00	1.56
Variance 1			-0.03	-0.03	-4.74			0.03	1.34
Variance 2			0.01	-0.03	-5.08			0.04	1.66

Notes

Prepurged 2L

Grab Samples

GWA-55
Metals
GWA-55
TDS
GWA-55
Inorganics

Product Name: Low-Flow System

Date: 2020-03-04 10:46:20

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Fill Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642533
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 105 ft

Pump placement from TOC 100 ft

Well Information:

Well ID GWA-55R
Well diameter 2 in
Well Total Depth 105.7 ft
Screen Length 10 ft
Depth to Water 37.50 ft

Pumping Information:

Final Pumping Rate 125 mL/min
Total System Volume 0.9536594 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 0.24 in
Total Volume Pumped 3.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	10:27:56	719.98	16.12	7.29	357.86	2.31	36.53	5.34	46.36
Last 5	10:31:56	959.96	16.18	7.27	358.10	1.81	36.52	5.51	44.53
Last 5	10:35:56	1199.95	16.25	7.27	357.88	1.00	36.52	5.59	43.94
Last 5	10:39:56	1439.95	16.26	7.27	357.73	1.11	36.52	5.64	43.45
Last 5	10:43:56	1679.92	16.27	7.27	357.66	0.80	36.52	5.67	43.51
Variance 0			0.07	-0.00	-0.22			0.08	-0.58
Variance 1			0.01	-0.00	-0.16			0.06	-0.50
Variance 2			0.01	-0.00	-0.07			0.03	0.06

Notes

Prepurged 2L

Grab Samples

GWA-55R
Metals

GWA-55R
TDS

GWA-55R
Inorganics

DUP030420
Duplicate



Product Name: Low-Flow System

Date: 2020-03-04 13:05:42

Project Information:

Operator Name Joe Booth
Company Name Resolute
Project Name March 2020 Land Field Event
Site Name Plant Bowen
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642533
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type dedicated
Tubing Type LDPE
Tubing Diameter .17 in
Tubing Length 85 ft

Pump placement from TOC 80 ft

Well Information:

Well ID GWA-56
Well diameter 62 in
Well Total Depth 85.9 ft
Screen Length 10 ft
Depth to Water 32.07 ft

Pumping Information:

Final Pumping Rate 110 mL/min
Total System Volume 0.864391 L
Calculated Sample Rate 240 sec
Stabilization Drawdown 3.72 in
Total Volume Pumped 4.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1000%	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 1000%
Last 5	12:47:15	1439.94	16.21	7.97	574.53	1.15	32.38	1.02	52.65
Last 5	12:51:15	1679.92	16.23	7.96	571.44	1.23	32.38	1.00	51.14
Last 5	12:55:15	1919.90	16.29	7.96	568.31	0.81	32.38	1.01	49.92
Last 5	12:59:15	2159.89	16.29	7.95	563.99	0.76	32.38	1.04	49.31
Last 5	13:03:15	2399.88	16.25	7.95	562.89	0.65	32.38	1.07	48.93
Variance 0			0.06	0.00	-3.13			0.01	-1.22
Variance 1			-0.00	-0.01	-4.32			0.03	-0.62
Variance 2			-0.04	-0.01	-1.10			0.03	-0.37

Notes

Prepurged 2L

Grab Samples

GWA-56
Metals
GWA-56
TDS
GWA-56
Inorganics

WELL INSPECTIONS

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWA-1
 Date, field conditions 2/23/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWA-2
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWA-2R
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID G101-3
 Date, field conditions 2/27/20

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

 Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Brown
 Permit Number _____
 Well ID GWA-4
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for Inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID G10N-42
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWA-487
 Date, field conditions 2/27/20

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

 Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Borew
 Permit Number _____
 Well ID GWA-50
 Date, field conditions 2/22/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWA-50R
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWC-5
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWC-6
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID G10C-6B2
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Room
 Permit Number _____
 Well ID GWOC-72
 Date, field conditions 2/22/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Brown
 Permit Number _____
 Well ID GWC-82
 Date, field conditions 2/24/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bunker
 Permit Number _____
 Well ID GWC-222
 Date, field conditions 2/22/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Basin
 Permit Number _____
 Well ID GWC-9
 Date, field conditions 2/2/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Room
 Permit Number _____
 Well ID GWC-10
 Date, field conditions 2/2/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Borew
 Permit Number _____
 Well ID GWC-102
 Date, field conditions 2/23/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Room
 Permit Number _____
 Well ID GWC-11
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bore
 Permit Number _____
 Well ID 2/2/20
 Date, field conditions 2/2/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Broom
 Permit Number _____
 Well ID GWC-12
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWC-13
 Date, field conditions 2/24/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Borens
 Permit Number _____
 Well ID GWC-13R
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Barden
 Permit Number _____
 Well ID GW01-1387
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-14
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-14Z
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-15
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-15R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-15Z
 Date, field conditions 2/23/20 sunny to partially cloudy ; high of 50°

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

 Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-3G
 Date, field conditions 2/28/20 sunny, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-3GR
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-37
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-38
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-51RZ
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-52
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-53
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-53R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-54
 Date, field conditions 2/23/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-55R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-55
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWA-56
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-1GR
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-1TR
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-18
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-18R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-19R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-20R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-21R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-22R
 Date, field conditions 2/23/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-23R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-24R
 Date, field conditions 2/23/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-25R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Basin
 Permit Number _____
 Well ID GWA-392
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWA-3822
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Borden
 Permit Number _____
 Well ID GWA-4D
 Date, field conditions 2/27/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Borend
 Permit Number _____
 Well ID GWA-41
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Buro
 Permit Number _____
 Well ID CAWA-412
 Date, field conditions 2/22/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GMDA-42
 Date, field conditions 2/24/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowed
 Permit Number _____
 Well ID GW01-43
 Date, field conditions 2/2/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Borden
 Permit Number _____
 Well ID GWA-43R
 Date, field conditions 2/27/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID 21221220 GWC-44
 Date, field conditions 2/22/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-45
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-45R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-4GR
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-47
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWIC-47R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GUUC-48
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-49Z
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen - Landfill Event
 Permit Number _____
 Well ID GWC-49R
 Date, field conditions 2/28/20 sunny to partially cloudy, high of 50°

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

 Signature and Seal of PE/PG responsible for inspection

October 09, 2020

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 16, 2020 and September 23, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Herring
kevin.herring@pacelabs.com
1(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Michelle Barker, WOOD E&I
Kristen Jurinko
Ms. Lauren Petty, Southern Co. Services
Rhonda Quinn, WOOD E&I
Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92495870001	GWA-1	Water	09/15/20 11:12	09/16/20 09:25
92495870002	GWA-2	Water	09/15/20 14:24	09/16/20 09:25
92495870003	GWA-2R	Water	09/15/20 16:30	09/16/20 09:25
92495870004	GWA-50R	Water	09/15/20 16:00	09/16/20 09:25
92495870005	FBL091520	Water	09/15/20 16:07	09/16/20 09:25
92495870006	GWC-5	Water	09/16/20 12:47	09/18/20 13:00
92495870007	GWC-6	Water	09/16/20 14:32	09/18/20 13:00
92495870008	GWC-6RZ	Water	09/16/20 16:03	09/18/20 13:00
92495870009	GWC-7Z	Water	09/16/20 16:09	09/18/20 13:00
92495870010	GWA-50	Water	09/16/20 12:52	09/18/20 13:00
92495870011	DUP-1	Water	09/16/20 00:00	09/18/20 13:00
92495870012	GWA-4RZ	Water	09/17/20 15:15	09/18/20 13:00
92495870013	GWC-8Z	Water	09/17/20 10:53	09/18/20 13:00
92495870014	GWC-8RR	Water	09/17/20 13:03	09/18/20 13:00
92495870015	GWC-9	Water	09/17/20 14:53	09/18/20 13:00
92495870016	GWC-10	Water	09/17/20 10:36	09/18/20 13:00
92495870017	GWC-10R	Water	09/17/20 13:12	09/18/20 13:00
92495870018	DUP-2	Water	09/17/20 00:00	09/18/20 13:00
92495870019	FBL091720	Water	09/17/20 16:06	09/18/20 13:00
92495870020	GWC-11	Water	09/21/20 13:20	09/22/20 10:20
92495870021	GWC-11R	Water	09/21/20 10:58	09/22/20 10:20
92495870022	GWC-12	Water	09/21/20 12:58	09/22/20 10:20
92495870023	GWC-14Z	Water	09/21/20 10:22	09/22/20 10:20
92495870024	GWC-15Z	Water	09/21/20 12:45	09/22/20 10:20
92495870025	GWC-15R	Water	09/21/20 11:56	09/22/20 10:20
92495870026	DUP-3	Water	09/21/20 00:00	09/22/20 10:20
92495870027	FBL092120	Water	09/21/20 14:32	09/22/20 10:20
92495870028	GWC-13	Water	09/22/20 10:14	09/23/20 10:34
92495870029	GWC-13RZ	Water	09/22/20 09:24	09/23/20 10:34
92495870030	FBL092220	Water	09/22/20 11:06	09/23/20 10:34

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92495870001	GWA-1	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495870002	GWA-2	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495870003	GWA-2R	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495870004	GWA-50R	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495870005	FBL091520	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495870006	GWC-5	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495870007	GWC-6	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495870008	GWC-6RZ	EPA 6010D	DRB	2
		EPA 6020B	CW1	15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92495870009	GWC-7Z	EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
92495870010	GWA-50	SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
92495870011	DUP-1	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495870012	GWA-4RZ	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
92495870013	GWC-8Z	EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
92495870014	GWC-8RR	EPA 7470A	FFP	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
92495870015	GWC-9	SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92495870016	GWC-10	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	AW1	1
92495870017	GWC-10R	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	AW1	1
92495870018	DUP-2	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	AW1	1
92495870019	FBL091720	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	AW1	1
92495870020	GWC-11	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1, KH	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92495870021	GWC-11R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1, KH	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92495870022	GWC-12	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1, KH	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92495870023	GWC-14Z	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92495870024	GWC-15Z	EPA 6020B	CW1, KH	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92495870025	GWC-15R	SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92495870026	DUP-3	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
92495870027	FBL092120	EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92495870028	GWC-13	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB, KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB, KH	2
92495870029	GWC-13RZ	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB, KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92495870030	FBL092220	EPA 6010D	DRB, KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495870001	GWA-1					
	pH	7.43	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	30.8	mg/L	1.0	09/17/20 22:39	
EPA 6020B	Antimony	0.0061	mg/L	0.0030	09/22/20 15:53	
EPA 6020B	Barium	0.019	mg/L	0.010	09/22/20 15:53	
EPA 6020B	Boron	0.010J	mg/L	0.10	09/22/20 15:53	
EPA 6020B	Cobalt	0.00048J	mg/L	0.0050	09/22/20 15:53	
EPA 6020B	Lead	0.000093J	mg/L	0.0050	09/22/20 15:53	
SM 2450C-2011	Total Dissolved Solids	156	mg/L	10.0	09/17/20 15:30	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	09/17/20 19:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.30	09/17/20 19:48	
EPA 300.0 Rev 2.1 1993	Sulfate	0.96J	mg/L	1.0	09/17/20 19:48	
92495870002	GWA-2					
	pH	6.38	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	18.4	mg/L	1.0	09/17/20 22:43	
EPA 6020B	Barium	0.019	mg/L	0.010	09/22/20 15:59	
EPA 6020B	Boron	0.0053J	mg/L	0.10	09/22/20 15:59	
EPA 6020B	Chromium	0.00086J	mg/L	0.010	09/22/20 15:59	
SM 2450C-2011	Total Dissolved Solids	28.0	mg/L	10.0	09/17/20 15:30	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	09/17/20 20:33	
EPA 300.0 Rev 2.1 1993	Sulfate	35.3	mg/L	1.0	09/17/20 20:33	
92495870003	GWA-2R					
	pH	7.45	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	21.4	mg/L	1.0	09/17/20 22:48	
EPA 6020B	Antimony	0.0037	mg/L	0.0030	09/22/20 16:22	
EPA 6020B	Arsenic	0.00081J	mg/L	0.0050	09/22/20 16:22	
EPA 6020B	Barium	0.013	mg/L	0.010	09/22/20 16:22	
EPA 6020B	Boron	0.0074J	mg/L	0.10	09/22/20 16:22	
EPA 6020B	Cobalt	0.0010J	mg/L	0.0050	09/22/20 16:22	
EPA 6020B	Lead	0.000050J	mg/L	0.0050	09/22/20 16:22	
EPA 6020B	Nickel	0.0013J	mg/L	0.010	09/22/20 16:22	
SM 2450C-2011	Total Dissolved Solids	89.0	mg/L	10.0	09/17/20 15:31	
EPA 300.0 Rev 2.1 1993	Chloride	0.75J	mg/L	1.0	09/17/20 20:48	
EPA 300.0 Rev 2.1 1993	Sulfate	1.0	mg/L	1.0	09/17/20 20:48	
92495870004	GWA-50R					
	pH	5.26	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	0.94J	mg/L	1.0	09/17/20 22:52	
EPA 6020B	Antimony	0.00048J	mg/L	0.0030	09/22/20 16:27	B
EPA 6020B	Barium	0.0089J	mg/L	0.010	09/22/20 16:27	
EPA 6020B	Beryllium	0.000085J	mg/L	0.0030	09/22/20 16:27	
EPA 6020B	Copper	0.0031J	mg/L	0.025	09/22/20 16:27	
EPA 6020B	Nickel	0.0012J	mg/L	0.010	09/22/20 16:27	
EPA 6020B	Silver	0.0012J	mg/L	0.010	09/22/20 16:27	
SM 2450C-2011	Total Dissolved Solids	12.0	mg/L	10.0	09/17/20 15:31	
EPA 300.0 Rev 2.1 1993	Chloride	0.70J	mg/L	1.0	09/17/20 21:03	
EPA 300.0 Rev 2.1 1993	Sulfate	0.54J	mg/L	1.0	09/17/20 21:03	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495870005	FBL091520					
EPA 6020B	Cadmium	0.00034J	mg/L	0.0025	09/22/20 16:33	
92495870006	GWC-5					
	pH	6.0	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	2.8	mg/L	1.0	09/24/20 18:10	M1
EPA 6010D	Zinc	0.033	mg/L	0.020	09/24/20 18:10	
EPA 6020B	Barium	0.013	mg/L	0.010	09/23/20 20:50	
EPA 6020B	Beryllium	0.00069J	mg/L	0.0030	09/24/20 14:37	
EPA 6020B	Copper	0.017J	mg/L	0.025	09/23/20 20:50	
EPA 6020B	Nickel	0.0075J	mg/L	0.010	09/23/20 20:50	
SM 2450C-2011	Total Dissolved Solids	30.0	mg/L	10.0	09/21/20 16:28	
EPA 300.0 Rev 2.1 1993	Chloride	0.70J	mg/L	1.0	09/22/20 02:34	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	09/22/20 02:34	
92495870007	GWC-6					
	pH	7.33	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	14.3	mg/L	1.0	09/24/20 18:28	M1
EPA 6020B	Barium	0.0074J	mg/L	0.010	09/23/20 20:56	
EPA 6020B	Chromium	0.0022J	mg/L	0.010	09/23/20 20:56	
EPA 6020B	Lead	0.00012J	mg/L	0.0050	09/23/20 20:56	
SM 2450C-2011	Total Dissolved Solids	77.0	mg/L	10.0	09/21/20 16:28	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	09/22/20 02:49	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	09/22/20 02:49	
92495870008	GWC-6RZ					
	pH	6.99	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	8.8	mg/L	1.0	09/24/20 18:32	
EPA 6020B	Barium	0.0066J	mg/L	0.010	09/23/20 21:02	
EPA 6020B	Beryllium	0.000067J	mg/L	0.0030	09/24/20 16:50	
EPA 6020B	Chromium	0.0023J	mg/L	0.010	09/23/20 21:02	
SM 2450C-2011	Total Dissolved Solids	52.0	mg/L	10.0	09/21/20 16:28	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	09/22/20 03:04	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	09/22/20 03:04	
92495870009	GWC-7Z					
	pH	7.56	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	24.4	mg/L	1.0	09/24/20 18:45	
EPA 6020B	Antimony	0.0012J	mg/L	0.0030	09/23/20 21:08	
EPA 6020B	Barium	0.020	mg/L	0.010	09/23/20 21:08	
EPA 6020B	Boron	0.0052J	mg/L	0.10	09/24/20 16:56	
EPA 6020B	Cobalt	0.00072J	mg/L	0.0050	09/23/20 21:08	
EPA 6020B	Lead	0.00011J	mg/L	0.0050	09/23/20 21:08	
EPA 6020B	Thallium	0.00019J	mg/L	0.0010	09/23/20 21:08	
SM 2450C-2011	Total Dissolved Solids	124	mg/L	10.0	09/21/20 16:28	
EPA 300.0 Rev 2.1 1993	Chloride	0.79J	mg/L	1.0	09/22/20 03:19	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	09/22/20 03:19	
92495870010	GWA-50					
	pH	5.62	Std. Units		09/29/20 12:26	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495870010	GWA-50					
EPA 6010D	Calcium	1.7	mg/L	1.0	09/24/20 18:50	
EPA 6020B	Barium	0.0081J	mg/L	0.010	09/23/20 21:13	
EPA 6020B	Copper	0.0018J	mg/L	0.025	09/23/20 21:13	
EPA 6020B	Lead	0.000093J	mg/L	0.0050	09/23/20 21:13	
EPA 6020B	Silver	0.00042J	mg/L	0.010	09/23/20 21:13	
SM 2450C-2011	Total Dissolved Solids	20.0	mg/L	10.0	09/21/20 16:29	
EPA 300.0 Rev 2.1 1993	Chloride	0.97J	mg/L	1.0	09/22/20 03:34	
92495870011	DUP-1					
EPA 6010D	Calcium	1.7	mg/L	1.0	09/24/20 18:54	
EPA 6020B	Barium	0.0079J	mg/L	0.010	09/28/20 15:59	
EPA 6020B	Boron	0.0079J	mg/L	0.10	09/28/20 15:59	
EPA 6020B	Copper	0.0019J	mg/L	0.025	09/28/20 15:59	
EPA 6020B	Nickel	0.00075J	mg/L	0.010	09/28/20 15:59	
EPA 6020B	Silver	0.00043J	mg/L	0.010	09/28/20 15:59	
SM 2450C-2011	Total Dissolved Solids	25.0	mg/L	10.0	09/21/20 16:29	D6
EPA 300.0 Rev 2.1 1993	Chloride	0.98J	mg/L	1.0	09/22/20 04:19	
92495870012	GWA-4RZ					
	pH	7.42	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	48.4	mg/L	1.0	09/24/20 18:59	
EPA 6010D	Zinc	0.0047J	mg/L	0.020	09/24/20 18:59	
EPA 6020B	Antimony	0.00087J	mg/L	0.0030	09/28/20 16:22	
EPA 6020B	Arsenic	0.0011J	mg/L	0.0050	09/28/20 16:22	
EPA 6020B	Barium	0.036	mg/L	0.010	09/28/20 16:22	
EPA 6020B	Boron	0.015J	mg/L	0.10	09/28/20 16:22	
EPA 6020B	Cobalt	0.019	mg/L	0.0050	09/28/20 16:22	
SM 2450C-2011	Total Dissolved Solids	223	mg/L	10.0	09/21/20 16:30	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	09/22/20 05:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12J	mg/L	0.30	09/22/20 05:03	
EPA 300.0 Rev 2.1 1993	Sulfate	20.3	mg/L	1.0	09/22/20 05:03	
92495870013	GWC-8Z					
	pH	7.05	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	18.1	mg/L	1.0	09/24/20 19:03	
EPA 6020B	Barium	0.025	mg/L	0.010	09/28/20 16:28	
EPA 6020B	Beryllium	0.000049J	mg/L	0.0030	09/28/20 16:28	
EPA 6020B	Chromium	0.0017J	mg/L	0.010	09/28/20 16:28	
EPA 6020B	Lead	0.000065J	mg/L	0.0050	09/28/20 16:28	
SM 2450C-2011	Total Dissolved Solids	98.0	mg/L	10.0	09/21/20 16:30	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	09/22/20 05:18	
EPA 300.0 Rev 2.1 1993	Sulfate	0.74J	mg/L	1.0	09/22/20 05:18	
92495870014	GWC-8RR					
	pH	7.96	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	21.4	mg/L	1.0	09/24/20 19:07	
EPA 6020B	Antimony	0.00082J	mg/L	0.0030	09/28/20 16:34	
EPA 6020B	Barium	0.014	mg/L	0.010	09/28/20 16:34	
EPA 6020B	Chromium	0.00086J	mg/L	0.010	09/28/20 16:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495870014	GWC-8RR					
EPA 6020B	Lead	0.000080J	mg/L	0.0050	09/28/20 16:34	
SM 2450C-2011	Total Dissolved Solids	111	mg/L	10.0	09/22/20 14:21	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	09/22/20 05:33	
EPA 300.0 Rev 2.1 1993	Sulfate	0.60J	mg/L	1.0	09/22/20 05:33	
92495870015	GWC-9					
	pH	6.39	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	18.3	mg/L	1.0	09/24/20 19:12	
EPA 6020B	Barium	0.031	mg/L	0.010	09/28/20 16:39	
EPA 6020B	Beryllium	0.000048J	mg/L	0.0030	09/28/20 16:39	
EPA 6020B	Lead	0.000079J	mg/L	0.0050	09/28/20 16:39	
SM 2450C-2011	Total Dissolved Solids	94.0	mg/L	10.0	09/22/20 14:21	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	09/22/20 05:48	
EPA 300.0 Rev 2.1 1993	Sulfate	3.5	mg/L	1.0	09/22/20 05:48	
92495870016	GWC-10					
	pH	7.28	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	32.6	mg/L	1.0	09/24/20 19:16	
EPA 6020B	Barium	0.013	mg/L	0.010	09/28/20 17:11	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	09/28/20 17:11	
SM 2450C-2011	Total Dissolved Solids	140	mg/L	10.0	09/22/20 14:21	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	09/22/20 06:03	
EPA 300.0 Rev 2.1 1993	Sulfate	0.87J	mg/L	1.0	09/22/20 06:03	
92495870017	GWC-10R					
	pH	7.70	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	39.0	mg/L	1.0	09/24/20 19:38	
EPA 6020B	Barium	0.022	mg/L	0.010	09/28/20 17:17	
SM 2450C-2011	Total Dissolved Solids	125	mg/L	10.0	09/22/20 14:21	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	09/22/20 06:18	
EPA 300.0 Rev 2.1 1993	Sulfate	0.95J	mg/L	1.0	09/22/20 06:18	
92495870018	DUP-2					
EPA 6010D	Calcium	17.8	mg/L	1.0	09/24/20 19:42	
EPA 6020B	Barium	0.034	mg/L	0.010	09/28/20 17:22	
EPA 6020B	Beryllium	0.000054J	mg/L	0.0030	09/28/20 17:22	
EPA 6020B	Lead	0.000084J	mg/L	0.0050	09/28/20 17:22	
EPA 6020B	Selenium	0.0021J	mg/L	0.010	09/28/20 17:22	
SM 2450C-2011	Total Dissolved Solids	70.0	mg/L	10.0	09/22/20 14:21	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	09/22/20 06:33	
EPA 300.0 Rev 2.1 1993	Sulfate	3.5	mg/L	1.0	09/22/20 06:33	
92495870020	GWC-11					
	pH	7.02	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	17.7	mg/L	1.0	09/24/20 19:51	
EPA 6020B	Antimony	0.00091J	mg/L	0.0030	09/25/20 20:36	
EPA 6020B	Barium	0.0093J	mg/L	0.010	09/25/20 20:36	
EPA 6020B	Chromium	0.0081J	mg/L	0.010	09/25/20 20:36	
SM 2450C-2011	Total Dissolved Solids	93.0	mg/L	10.0	09/23/20 13:17	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495870020	GWC-11					
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	09/24/20 13:14	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	09/24/20 13:14	
92495870021	GWC-11R					
	pH	7.84	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	26.0	mg/L	1.0	09/24/20 22:16	
EPA 6010D	Zinc	0.0037J	mg/L	0.020	09/24/20 22:16	
EPA 6020B	Antimony	0.0053	mg/L	0.0030	09/25/20 20:42	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	09/25/20 20:42	
EPA 6020B	Barium	0.016	mg/L	0.010	09/25/20 20:42	
EPA 6020B	Chromium	0.0056J	mg/L	0.010	09/25/20 20:42	
SM 2450C-2011	Total Dissolved Solids	145	mg/L	10.0	09/23/20 13:17	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	09/24/20 13:28	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	09/24/20 13:28	
92495870022	GWC-12					
	pH	6.28	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	8.0	mg/L	1.0	09/24/20 22:20	
EPA 6010D	Zinc	0.0065J	mg/L	0.020	09/24/20 22:20	
EPA 6020B	Arsenic	0.0065	mg/L	0.0050	09/25/20 20:48	
EPA 6020B	Barium	0.023	mg/L	0.010	09/25/20 20:48	
EPA 6020B	Cadmium	0.00025J	mg/L	0.0025	09/25/20 20:48	
EPA 6020B	Cobalt	0.0029J	mg/L	0.0050	09/25/20 20:48	
EPA 6020B	Nickel	0.0019J	mg/L	0.010	09/25/20 20:48	
SM 2450C-2011	Total Dissolved Solids	62.0	mg/L	10.0	09/23/20 13:17	
EPA 300.0 Rev 2.1 1993	Chloride	0.71J	mg/L	1.0	09/24/20 13:42	
92495870023	GWC-14Z					
	pH	6.06	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	13.1	mg/L	1.0	09/24/20 22:25	
EPA 6020B	Barium	0.013	mg/L	0.010	09/25/20 20:53	
EPA 6020B	Beryllium	0.000095J	mg/L	0.0030	09/25/20 20:53	
EPA 6020B	Lead	0.00023J	mg/L	0.0050	09/25/20 20:53	
SM 2450C-2011	Total Dissolved Solids	94.0	mg/L	10.0	09/23/20 13:17	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	09/24/20 13:57	
EPA 300.0 Rev 2.1 1993	Sulfate	5.5	mg/L	1.0	09/24/20 13:57	
92495870024	GWC-15Z					
	pH	7.65	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	22.6	mg/L	1.0	09/24/20 22:29	
EPA 6020B	Barium	0.013	mg/L	0.010	09/29/20 18:15	
EPA 6020B	Chromium	0.00089J	mg/L	0.010	09/29/20 18:15	
EPA 6020B	Lead	0.000075J	mg/L	0.0050	09/29/20 18:15	
SM 2450C-2011	Total Dissolved Solids	122	mg/L	10.0	09/23/20 13:17	
EPA 300.0 Rev 2.1 1993	Chloride	0.64J	mg/L	1.0	09/24/20 14:40	
EPA 300.0 Rev 2.1 1993	Sulfate	0.90J	mg/L	1.0	09/24/20 14:40	
92495870025	GWC-15R					
	pH	7.48	Std. Units		09/29/20 12:26	

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495870025	GWC-15R					
EPA 6010D	Calcium	36.5	mg/L	1.0	09/24/20 22:33	
EPA 6010D	Zinc	0.0036J	mg/L	0.020	09/24/20 22:33	
EPA 6020B	Antimony	0.0021J	mg/L	0.0030	09/29/20 18:38	
EPA 6020B	Barium	0.021	mg/L	0.010	09/29/20 18:38	
EPA 6020B	Boron	0.0075J	mg/L	0.10	09/29/20 18:38	
EPA 6020B	Chromium	0.0016J	mg/L	0.010	09/29/20 18:38	
EPA 6020B	Lead	0.00093J	mg/L	0.0050	09/29/20 18:38	
EPA 6020B	Nickel	0.0015J	mg/L	0.010	09/29/20 18:38	
SM 2450C-2011	Total Dissolved Solids	186	mg/L	10.0	09/23/20 13:17	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	09/24/20 15:52	
EPA 300.0 Rev 2.1 1993	Sulfate	9.0	mg/L	1.0	09/24/20 15:52	
92495870026	DUP-3					
EPA 6010D	Calcium	13.3	mg/L	1.0	09/24/20 22:38	
EPA 6010D	Zinc	0.0059J	mg/L	0.020	09/24/20 22:38	
EPA 6020B	Antimony	0.00045J	mg/L	0.0030	09/29/20 18:43	
EPA 6020B	Barium	0.013	mg/L	0.010	09/29/20 18:43	
EPA 6020B	Beryllium	0.000075J	mg/L	0.0030	09/29/20 18:43	
SM 2450C-2011	Total Dissolved Solids	84.0	mg/L	10.0	09/23/20 13:17	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	09/24/20 16:07	
EPA 300.0 Rev 2.1 1993	Sulfate	5.5	mg/L	1.0	09/24/20 16:07	
92495870028	GWC-13					
	pH	7.34	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	43.1	mg/L	1.0	09/28/20 20:50	
EPA 6020B	Arsenic	0.00098J	mg/L	0.0050	09/29/20 19:29	
EPA 6020B	Barium	0.027	mg/L	0.010	09/29/20 19:29	
EPA 6020B	Boron	0.0087J	mg/L	0.10	09/29/20 19:29	
EPA 6020B	Chromium	0.0062J	mg/L	0.010	09/29/20 19:29	
EPA 6020B	Lead	0.00015J	mg/L	0.0050	09/29/20 19:29	
SM 2450C-2011	Total Dissolved Solids	176	mg/L	10.0	09/25/20 21:59	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	09/27/20 08:09	
EPA 300.0 Rev 2.1 1993	Sulfate	39.6	mg/L	1.0	09/27/20 08:09	
92495870029	GWC-13RZ					
	pH	6.95	Std. Units		09/29/20 12:26	
EPA 6010D	Calcium	47.7	mg/L	1.0	09/28/20 20:54	
EPA 6020B	Antimony	0.00079J	mg/L	0.0030	09/29/20 19:35	
EPA 6020B	Arsenic	0.00086J	mg/L	0.0050	09/29/20 19:35	
EPA 6020B	Barium	0.095	mg/L	0.010	09/29/20 19:35	
EPA 6020B	Boron	0.010J	mg/L	0.10	09/29/20 19:35	
EPA 6020B	Lead	0.000071J	mg/L	0.0050	09/29/20 19:35	
SM 2450C-2011	Total Dissolved Solids	248	mg/L	10.0	09/25/20 21:59	
EPA 300.0 Rev 2.1 1993	Chloride	7.0	mg/L	1.0	09/27/20 08:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10J	mg/L	0.30	09/27/20 08:52	
EPA 300.0 Rev 2.1 1993	Sulfate	69.8	mg/L	1.0	09/27/20 08:52	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWA-1		Lab ID: 92495870001		Collected: 09/15/20 11:12		Received: 09/16/20 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.43	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	30.8	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:39	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:39	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0061	mg/L	0.0030	0.00028	1	09/18/20 11:00	09/22/20 15:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/18/20 11:00	09/22/20 15:53	7440-38-2	
Barium	0.019	mg/L	0.010	0.00071	1	09/18/20 11:00	09/22/20 15:53	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/18/20 11:00	09/22/20 15:53	7440-41-7	
Boron	0.010J	mg/L	0.10	0.0052	1	09/18/20 11:00	09/22/20 15:53	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/18/20 11:00	09/22/20 15:53	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/18/20 11:00	09/22/20 15:53	7440-47-3	
Cobalt	0.00048J	mg/L	0.0050	0.00038	1	09/18/20 11:00	09/22/20 15:53	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/18/20 11:00	09/22/20 15:53	7440-50-8	
Lead	0.000093J	mg/L	0.0050	0.000036	1	09/18/20 11:00	09/22/20 15:53	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/18/20 11:00	09/22/20 15:53	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/18/20 11:00	09/22/20 15:53	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/18/20 11:00	09/22/20 15:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/18/20 11:00	09/22/20 15:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/18/20 11:00	09/22/20 15:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:50	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	156	mg/L	10.0	10.0	1		09/17/20 15:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		09/17/20 19:48	16887-00-6	
Fluoride	0.050J	mg/L	0.30	0.050	1		09/17/20 19:48	16984-48-8	
Sulfate	0.96J	mg/L	1.0	0.50	1		09/17/20 19:48	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWA-2 **Lab ID: 92495870002** Collected: 09/15/20 14:24 Received: 09/16/20 09:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data Analytical Method:
Pace Analytical Services - Charlotte

pH	6.38	Std. Units			1		09/29/20 12:26		
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6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	18.4	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:43	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:43	7440-66-6	

6020 MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00028	1	09/18/20 11:00	09/22/20 15:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/18/20 11:00	09/22/20 15:59	7440-38-2	
Barium	0.019	mg/L	0.010	0.00071	1	09/18/20 11:00	09/22/20 15:59	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/18/20 11:00	09/22/20 15:59	7440-41-7	
Boron	0.0053J	mg/L	0.10	0.0052	1	09/18/20 11:00	09/22/20 15:59	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/18/20 11:00	09/22/20 15:59	7440-43-9	
Chromium	0.00086J	mg/L	0.010	0.00055	1	09/18/20 11:00	09/22/20 15:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/18/20 11:00	09/22/20 15:59	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/18/20 11:00	09/22/20 15:59	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/18/20 11:00	09/22/20 15:59	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/18/20 11:00	09/22/20 15:59	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/18/20 11:00	09/22/20 15:59	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/18/20 11:00	09/22/20 15:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/18/20 11:00	09/22/20 15:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/18/20 11:00	09/22/20 15:59	7440-62-2	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:52	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	28.0	mg/L	10.0	10.0	1		09/17/20 15:30		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.2	mg/L	1.0	0.60	1		09/17/20 20:33	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 20:33	16984-48-8	
Sulfate	35.3	mg/L	1.0	0.50	1		09/17/20 20:33	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWA-2R		Lab ID: 92495870003		Collected: 09/15/20 16:30		Received: 09/16/20 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.45	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	21.4	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:48	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:48	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0037	mg/L	0.0030	0.00028	1	09/18/20 11:00	09/22/20 16:22	7440-36-0	
Arsenic	0.00081J	mg/L	0.0050	0.00078	1	09/18/20 11:00	09/22/20 16:22	7440-38-2	
Barium	0.013	mg/L	0.010	0.00071	1	09/18/20 11:00	09/22/20 16:22	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/18/20 11:00	09/22/20 16:22	7440-41-7	
Boron	0.0074J	mg/L	0.10	0.0052	1	09/18/20 11:00	09/22/20 16:22	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/18/20 11:00	09/22/20 16:22	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/18/20 11:00	09/22/20 16:22	7440-47-3	
Cobalt	0.0010J	mg/L	0.0050	0.00038	1	09/18/20 11:00	09/22/20 16:22	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/18/20 11:00	09/22/20 16:22	7440-50-8	
Lead	0.000050J	mg/L	0.0050	0.000036	1	09/18/20 11:00	09/22/20 16:22	7439-92-1	
Nickel	0.0013J	mg/L	0.010	0.00069	1	09/18/20 11:00	09/22/20 16:22	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/18/20 11:00	09/22/20 16:22	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/18/20 11:00	09/22/20 16:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/18/20 11:00	09/22/20 16:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/18/20 11:00	09/22/20 16:22	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:55	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	89.0	mg/L	10.0	10.0	1		09/17/20 15:31		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.75J	mg/L	1.0	0.60	1		09/17/20 20:48	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 20:48	16984-48-8	
Sulfate	1.0	mg/L	1.0	0.50	1		09/17/20 20:48	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWA-50R		Lab ID: 92495870004		Collected: 09/15/20 16:00		Received: 09/16/20 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	5.26	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	0.94J	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:52	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:52	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00048J	mg/L	0.0030	0.00028	1	09/18/20 11:00	09/22/20 16:27	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.00078	1	09/18/20 11:00	09/22/20 16:27	7440-38-2	
Barium	0.0089J	mg/L	0.010	0.00071	1	09/18/20 11:00	09/22/20 16:27	7440-39-3	
Beryllium	0.000085J	mg/L	0.0030	0.000046	1	09/18/20 11:00	09/22/20 16:27	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/18/20 11:00	09/22/20 16:27	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/18/20 11:00	09/22/20 16:27	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/18/20 11:00	09/22/20 16:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/18/20 11:00	09/22/20 16:27	7440-48-4	
Copper	0.0031J	mg/L	0.025	0.0017	1	09/18/20 11:00	09/22/20 16:27	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/18/20 11:00	09/22/20 16:27	7439-92-1	
Nickel	0.0012J	mg/L	0.010	0.00069	1	09/18/20 11:00	09/22/20 16:27	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/18/20 11:00	09/22/20 16:27	7782-49-2	
Silver	0.0012J	mg/L	0.010	0.00036	1	09/18/20 11:00	09/22/20 16:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/18/20 11:00	09/22/20 16:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/18/20 11:00	09/22/20 16:27	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:57	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	12.0	mg/L	10.0	10.0	1		09/17/20 15:31		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.70J	mg/L	1.0	0.60	1		09/17/20 21:03	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 21:03	16984-48-8	
Sulfate	0.54J	mg/L	1.0	0.50	1		09/17/20 21:03	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Sample: FBL091520		Lab ID: 92495870005		Collected: 09/15/20 16:07	Received: 09/16/20 09:25	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	ND	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:56	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:56	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/18/20 11:00	09/22/20 16:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/18/20 11:00	09/22/20 16:33	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	09/18/20 11:00	09/22/20 16:33	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/18/20 11:00	09/22/20 16:33	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/18/20 11:00	09/22/20 16:33	7440-42-8	
Cadmium	0.00034J	mg/L	0.0025	0.00012	1	09/18/20 11:00	09/22/20 16:33	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/18/20 11:00	09/22/20 16:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/18/20 11:00	09/22/20 16:33	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/18/20 11:00	09/22/20 16:33	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/18/20 11:00	09/22/20 16:33	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/18/20 11:00	09/22/20 16:33	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/18/20 11:00	09/22/20 16:33	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/18/20 11:00	09/22/20 16:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/18/20 11:00	09/22/20 16:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/18/20 11:00	09/22/20 16:33	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:59	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/17/20 15:18		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		09/17/20 21:48	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 21:48	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/17/20 21:48	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-5		Lab ID: 92495870006		Collected: 09/16/20 12:47		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.0	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	2.8	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 18:10	7440-70-2	M1
Zinc	0.033	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 18:10	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 20:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 20:50	7440-38-2	
Barium	0.013	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 20:50	7440-39-3	
Beryllium	0.00069J	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/24/20 14:37	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/23/20 13:53	09/24/20 14:37	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 20:50	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 20:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 20:50	7440-48-4	
Copper	0.017J	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 20:50	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 20:50	7439-92-1	
Nickel	0.0075J	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 20:50	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 20:50	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 20:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 20:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 20:50	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 10:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	30.0	mg/L	10.0	10.0	1		09/21/20 16:28		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.70J	mg/L	1.0	0.60	1		09/22/20 02:34	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 02:34	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		09/22/20 02:34	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-6		Lab ID: 92495870007		Collected: 09/16/20 14:32		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.33	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	14.3	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 18:28	7440-70-2	M1
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 18:28	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 20:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 20:56	7440-38-2	
Barium	0.0074J	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 20:56	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/24/20 14:42	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/23/20 13:53	09/24/20 14:42	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 20:56	7440-43-9	
Chromium	0.0022J	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 20:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 20:56	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 20:56	7440-50-8	
Lead	0.00012J	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 20:56	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 20:56	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 20:56	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 20:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 20:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 20:56	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 10:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	77.0	mg/L	10.0	10.0	1		09/21/20 16:28		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		09/22/20 02:49	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 02:49	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		09/22/20 02:49	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Sample: GWC-6RZ		Lab ID: 92495870008		Collected: 09/16/20 16:03		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.99	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	8.8	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 18:32	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 18:32	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 21:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 21:02	7440-38-2	
Barium	0.0066J	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 21:02	7440-39-3	
Beryllium	0.000067J	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/24/20 16:50	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/23/20 13:53	09/24/20 16:50	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 21:02	7440-43-9	
Chromium	0.0023J	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 21:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 21:02	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 21:02	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 21:02	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 21:02	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 21:02	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 21:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 21:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 21:02	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 10:50	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	52.0	mg/L	10.0	10.0	1		09/21/20 16:28		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		09/22/20 03:04	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 03:04	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		09/22/20 03:04	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-7Z		Lab ID: 92495870009		Collected: 09/16/20 16:09		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.56	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	24.4	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 18:45	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 18:45	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0012J	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 21:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 21:08	7440-38-2	
Barium	0.020	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 21:08	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/24/20 16:56	7440-41-7	
Boron	0.0052J	mg/L	0.10	0.0052	1	09/23/20 13:53	09/24/20 16:56	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 21:08	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 21:08	7440-47-3	
Cobalt	0.00072J	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 21:08	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 21:08	7440-50-8	
Lead	0.00011J	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 21:08	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 21:08	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 21:08	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 21:08	7440-22-4	
Thallium	0.00019J	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 21:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 21:08	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 10:53	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	124	mg/L	10.0	10.0	1		09/21/20 16:28		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.79J	mg/L	1.0	0.60	1		09/22/20 03:19	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 03:19	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		09/22/20 03:19	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Sample: GWA-50 **Lab ID: 92495870010** Collected: 09/16/20 12:52 Received: 09/18/20 13:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	5.62	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	1.7	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 18:50	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 18:50	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 21:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 21:13	7440-38-2	
Barium	0.0081J	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 21:13	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/24/20 17:02	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/23/20 13:53	09/24/20 17:02	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 21:13	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 21:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 21:13	7440-48-4	
Copper	0.0018J	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 21:13	7440-50-8	
Lead	0.000093J	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 21:13	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 21:13	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 21:13	7782-49-2	
Silver	0.00042J	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 21:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 21:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 21:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 10:55	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	20.0	mg/L	10.0	10.0	1		09/21/20 16:29		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.97J	mg/L	1.0	0.60	1		09/22/20 03:34	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 03:34	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/22/20 03:34	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: DUP-1		Lab ID: 92495870011		Collected: 09/16/20 00:00	Received: 09/18/20 13:00	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	1.7	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 18:54	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 18:54	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 15:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 15:59	7440-38-2	
Barium	0.0079J	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 15:59	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 15:59	7440-41-7	
Boron	0.0079J	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 15:59	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 15:59	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 15:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 15:59	7440-48-4	
Copper	0.0019J	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 15:59	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 15:59	7439-92-1	
Nickel	0.00075J	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 15:59	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 15:59	7782-49-2	
Silver	0.00043J	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 15:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 15:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 15:59	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:16	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	25.0	mg/L	10.0	10.0	1		09/21/20 16:29		D6
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	0.98J	mg/L	1.0	0.60	1		09/22/20 04:19	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 04:19	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/22/20 04:19	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWA-4RZ		Lab ID: 92495870012		Collected: 09/17/20 15:15		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.42	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	48.4	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 18:59	7440-70-2	
Zinc	0.0047J	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 18:59	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00087J	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 16:22	7440-36-0	
Arsenic	0.0011J	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 16:22	7440-38-2	
Barium	0.036	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 16:22	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 16:22	7440-41-7	
Boron	0.015J	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 16:22	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 16:22	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 16:22	7440-47-3	
Cobalt	0.019	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 16:22	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 16:22	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 16:22	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 16:22	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 16:22	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 16:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 16:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 16:22	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:30	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	223	mg/L	10.0	10.0	1		09/21/20 16:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		09/22/20 05:03	16887-00-6	
Fluoride	0.12J	mg/L	0.30	0.050	1		09/22/20 05:03	16984-48-8	
Sulfate	20.3	mg/L	1.0	0.50	1		09/22/20 05:03	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-8Z		Lab ID: 92495870013		Collected: 09/17/20 10:53		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.05	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	18.1	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 19:03	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 19:03	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 16:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 16:28	7440-38-2	
Barium	0.025	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 16:28	7440-39-3	
Beryllium	0.000049J	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 16:28	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 16:28	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 16:28	7440-43-9	
Chromium	0.0017J	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 16:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 16:28	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 16:28	7440-50-8	
Lead	0.000065J	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 16:28	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 16:28	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 16:28	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 16:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 16:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 16:28	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:32	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	98.0	mg/L	10.0	10.0	1		09/21/20 16:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		09/22/20 05:18	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 05:18	16984-48-8	
Sulfate	0.74J	mg/L	1.0	0.50	1		09/22/20 05:18	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-8RR		Lab ID: 92495870014		Collected: 09/17/20 13:03		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.96	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	21.4	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 19:07	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 19:07	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00082J	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 16:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 16:34	7440-38-2	
Barium	0.014	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 16:34	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 16:34	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 16:34	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 16:34	7440-43-9	
Chromium	0.00086J	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 16:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 16:34	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 16:34	7440-50-8	
Lead	0.000080J	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 16:34	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 16:34	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 16:34	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 16:34	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 16:34	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 16:34	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:35	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	111	mg/L	10.0	10.0	1		09/22/20 14:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.77J	mg/L	1.0	0.60	1		09/22/20 05:33	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 05:33	16984-48-8	
Sulfate	0.60J	mg/L	1.0	0.50	1		09/22/20 05:33	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-9		Lab ID: 92495870015		Collected: 09/17/20 14:53		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.39	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	18.3	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 19:12	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 19:12	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 16:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 16:39	7440-38-2	
Barium	0.031	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 16:39	7440-39-3	
Beryllium	0.000048J	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 16:39	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 16:39	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 16:39	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 16:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 16:39	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 16:39	7440-50-8	
Lead	0.000079J	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 16:39	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 16:39	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 16:39	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 16:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 16:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 16:39	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:37	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	94.0	mg/L	10.0	10.0	1		09/22/20 14:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		09/22/20 05:48	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 05:48	16984-48-8	
Sulfate	3.5	mg/L	1.0	0.50	1		09/22/20 05:48	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-10		Lab ID: 92495870016		Collected: 09/17/20 10:36		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.28	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	32.6	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 19:16	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 19:16	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 17:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 17:11	7440-38-2	
Barium	0.013	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 17:11	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 17:11	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 17:11	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 17:11	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 17:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 17:11	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 17:11	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 17:11	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 17:11	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 17:11	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 17:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 17:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 17:11	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:40	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	140	mg/L	10.0	10.0	1		09/22/20 14:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		09/22/20 06:03	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 06:03	16984-48-8	
Sulfate	0.87J	mg/L	1.0	0.50	1		09/22/20 06:03	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-10R		Lab ID: 92495870017		Collected: 09/17/20 13:12		Received: 09/18/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.70	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	39.0	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 19:38	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 19:38	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 17:17	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 17:17	7440-38-2	
Barium	0.022	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 17:17	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 17:17	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 17:17	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 17:17	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 17:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 17:17	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 17:17	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 17:17	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 17:17	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 17:17	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 17:17	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 17:17	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 17:17	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:42	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	125	mg/L	10.0	10.0	1		09/22/20 14:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.9	mg/L	1.0	0.60	1		09/22/20 06:18	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 06:18	16984-48-8	
Sulfate	0.95J	mg/L	1.0	0.50	1		09/22/20 06:18	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: DUP-2		Lab ID: 92495870018		Collected: 09/17/20 00:00	Received: 09/18/20 13:00	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	17.8	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 19:42	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 19:42	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 17:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 17:22	7440-38-2	
Barium	0.034	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 17:22	7440-39-3	
Beryllium	0.000054J	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 17:22	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 17:22	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 17:22	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 17:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 17:22	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 17:22	7440-50-8	
Lead	0.000084J	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 17:22	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 17:22	7440-02-0	
Selenium	0.0021J	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 17:22	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 17:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 17:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 17:22	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:44	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	70.0	mg/L	10.0	10.0	1		09/22/20 14:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	1.9	mg/L	1.0	0.60	1		09/22/20 06:33	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 06:33	16984-48-8	
Sulfate	3.5	mg/L	1.0	0.50	1		09/22/20 06:33	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Sample: FBL091720		Lab ID: 92495870019		Collected: 09/17/20 16:06	Received: 09/18/20 13:00	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 19:47	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 19:47	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 08:45	09/28/20 17:28	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 08:45	09/28/20 17:28	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/24/20 08:45	09/28/20 17:28	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 08:45	09/28/20 17:28	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 08:45	09/28/20 17:28	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 08:45	09/28/20 17:28	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/24/20 08:45	09/28/20 17:28	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 08:45	09/28/20 17:28	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 08:45	09/28/20 17:28	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/24/20 08:45	09/28/20 17:28	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 08:45	09/28/20 17:28	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 08:45	09/28/20 17:28	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 08:45	09/28/20 17:28	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 08:45	09/28/20 17:28	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 08:45	09/28/20 17:28	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 13:30	09/23/20 12:47	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/22/20 14:21		MW	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/22/20 06:48	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 06:48	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/22/20 06:48	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Sample: GWC-11 **Lab ID: 92495870020** Collected: 09/21/20 13:20 Received: 09/22/20 10:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.02	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	17.7	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 19:51	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 19:51	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00091J	mg/L	0.0030	0.00028	1	09/24/20 14:23	09/25/20 20:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 14:23	09/25/20 20:36	7440-38-2	
Barium	0.0093J	mg/L	0.010	0.00071	1	09/24/20 14:23	09/25/20 20:36	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 14:23	09/25/20 20:36	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 14:23	09/30/20 16:29	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 14:23	09/25/20 20:36	7440-43-9	
Chromium	0.0081J	mg/L	0.010	0.00055	1	09/24/20 14:23	09/25/20 20:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 14:23	09/25/20 20:36	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 14:23	09/25/20 20:36	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/24/20 14:23	09/25/20 20:36	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 14:23	09/25/20 20:36	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 14:23	09/25/20 20:36	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 14:23	09/25/20 20:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 14:23	09/25/20 20:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 14:23	09/25/20 20:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 09:32	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	93.0	mg/L	10.0	10.0	1		09/23/20 13:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		09/24/20 13:14	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/24/20 13:14	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		09/24/20 13:14	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-11R		Lab ID: 92495870021		Collected: 09/21/20 10:58		Received: 09/22/20 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.84	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	26.0	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 22:16	7440-70-2	
Zinc	0.0037J	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 22:16	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0053	mg/L	0.0030	0.00028	1	09/24/20 14:23	09/25/20 20:42	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.00078	1	09/24/20 14:23	09/25/20 20:42	7440-38-2	
Barium	0.016	mg/L	0.010	0.00071	1	09/24/20 14:23	09/25/20 20:42	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 14:23	09/25/20 20:42	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 14:23	09/30/20 16:35	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 14:23	09/25/20 20:42	7440-43-9	
Chromium	0.0056J	mg/L	0.010	0.00055	1	09/24/20 14:23	09/25/20 20:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 14:23	09/25/20 20:42	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 14:23	09/25/20 20:42	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/24/20 14:23	09/25/20 20:42	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 14:23	09/25/20 20:42	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 14:23	09/25/20 20:42	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 14:23	09/25/20 20:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 14:23	09/25/20 20:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 14:23	09/25/20 20:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 09:41	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	145	mg/L	10.0	10.0	1		09/23/20 13:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		09/24/20 13:28	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/24/20 13:28	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		09/24/20 13:28	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-12		Lab ID: 92495870022		Collected: 09/21/20 12:58		Received: 09/22/20 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.28	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	8.0	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 22:20	7440-70-2	
Zinc	0.0065J	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 22:20	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 14:23	09/25/20 20:48	7440-36-0	
Arsenic	0.0065	mg/L	0.0050	0.00078	1	09/24/20 14:23	09/25/20 20:48	7440-38-2	
Barium	0.023	mg/L	0.010	0.00071	1	09/24/20 14:23	09/25/20 20:48	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/24/20 14:23	09/25/20 20:48	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 14:23	09/30/20 16:41	7440-42-8	
Cadmium	0.00025J	mg/L	0.0025	0.00012	1	09/24/20 14:23	09/25/20 20:48	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/24/20 14:23	09/25/20 20:48	7440-47-3	
Cobalt	0.0029J	mg/L	0.0050	0.00038	1	09/24/20 14:23	09/25/20 20:48	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 14:23	09/25/20 20:48	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/24/20 14:23	09/25/20 20:48	7439-92-1	
Nickel	0.0019J	mg/L	0.010	0.00069	1	09/24/20 14:23	09/25/20 20:48	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 14:23	09/25/20 20:48	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 14:23	09/25/20 20:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 14:23	09/25/20 20:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 14:23	09/25/20 20:48	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 09:44	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	62.0	mg/L	10.0	10.0	1		09/23/20 13:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.71J	mg/L	1.0	0.60	1		09/24/20 13:42	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/24/20 13:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/24/20 13:42	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-14Z **Lab ID: 92495870023** Collected: 09/21/20 10:22 Received: 09/22/20 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.06	Std. Units			1		09/29/20 12:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	13.1	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 22:25	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 22:25	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/24/20 14:23	09/25/20 20:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/24/20 14:23	09/25/20 20:53	7440-38-2	
Barium	0.013	mg/L	0.010	0.00071	1	09/24/20 14:23	09/25/20 20:53	7440-39-3	
Beryllium	0.000095J	mg/L	0.0030	0.000046	1	09/24/20 14:23	09/25/20 20:53	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/24/20 14:23	09/30/20 16:46	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/24/20 14:23	09/25/20 20:53	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/24/20 14:23	09/25/20 20:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/24/20 14:23	09/25/20 20:53	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/24/20 14:23	09/25/20 20:53	7440-50-8	
Lead	0.00023J	mg/L	0.0050	0.000036	1	09/24/20 14:23	09/25/20 20:53	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/24/20 14:23	09/25/20 20:53	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/24/20 14:23	09/25/20 20:53	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/24/20 14:23	09/25/20 20:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/24/20 14:23	09/25/20 20:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/24/20 14:23	09/25/20 20:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 09:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	94.0	mg/L	10.0	10.0	1		09/23/20 13:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	3.5	mg/L	1.0	0.60	1		09/24/20 13:57	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/24/20 13:57	16984-48-8	
Sulfate	5.5	mg/L	1.0	0.50	1		09/24/20 13:57	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-15Z **Lab ID: 92495870024** Collected: 09/21/20 12:45 Received: 09/22/20 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

pH	7.65	Std. Units			1		09/29/20 12:26		
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6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	22.6	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 22:29	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 22:29	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00028	1	09/28/20 15:08	09/29/20 18:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/28/20 15:08	09/29/20 18:15	7440-38-2	
Barium	0.013	mg/L	0.010	0.00071	1	09/28/20 15:08	09/29/20 18:15	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/28/20 15:08	09/29/20 18:15	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/28/20 15:08	09/29/20 18:15	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/28/20 15:08	09/29/20 18:15	7440-43-9	
Chromium	0.00089J	mg/L	0.010	0.00055	1	09/28/20 15:08	09/29/20 18:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/28/20 15:08	09/29/20 18:15	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/28/20 15:08	09/29/20 18:15	7440-50-8	
Lead	0.000075J	mg/L	0.0050	0.000036	1	09/28/20 15:08	09/29/20 18:15	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/28/20 15:08	09/29/20 18:15	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/28/20 15:08	09/29/20 18:15	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/28/20 15:08	09/29/20 18:15	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/28/20 15:08	09/29/20 18:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/28/20 15:08	09/29/20 18:15	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 09:48	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	122	mg/L	10.0	10.0	1		09/23/20 13:17		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.64J	mg/L	1.0	0.60	1		09/24/20 14:40	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/24/20 14:40	16984-48-8	
Sulfate	0.90J	mg/L	1.0	0.50	1		09/24/20 14:40	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-15R **Lab ID: 92495870025** Collected: 09/21/20 11:56 Received: 09/22/20 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

pH	7.48	Std. Units			1		09/29/20 12:26		
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6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	36.5	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 22:33	7440-70-2	
Zinc	0.0036J	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 22:33	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0021J	mg/L	0.0030	0.00028	1	09/28/20 15:08	09/29/20 18:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/28/20 15:08	09/29/20 18:38	7440-38-2	
Barium	0.021	mg/L	0.010	0.00071	1	09/28/20 15:08	09/29/20 18:38	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/28/20 15:08	09/29/20 18:38	7440-41-7	
Boron	0.0075J	mg/L	0.10	0.0052	1	09/28/20 15:08	09/29/20 18:38	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/28/20 15:08	09/29/20 18:38	7440-43-9	
Chromium	0.0016J	mg/L	0.010	0.00055	1	09/28/20 15:08	09/29/20 18:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/28/20 15:08	09/29/20 18:38	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/28/20 15:08	09/29/20 18:38	7440-50-8	
Lead	0.00093J	mg/L	0.0050	0.000036	1	09/28/20 15:08	09/29/20 18:38	7439-92-1	
Nickel	0.0015J	mg/L	0.010	0.00069	1	09/28/20 15:08	09/29/20 18:38	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/28/20 15:08	09/29/20 18:38	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/28/20 15:08	09/29/20 18:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/28/20 15:08	09/29/20 18:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/28/20 15:08	09/29/20 18:38	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 09:51	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	186	mg/L	10.0	10.0	1		09/23/20 13:17		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.6	mg/L	1.0	0.60	1		09/24/20 15:52	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/24/20 15:52	16984-48-8	
Sulfate	9.0	mg/L	1.0	0.50	1		09/24/20 15:52	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Sample: DUP-3		Lab ID: 92495870026		Collected: 09/21/20 00:00	Received: 09/22/20 10:20	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	13.3	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 22:38	7440-70-2	
Zinc	0.0059J	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 22:38	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.00045J	mg/L	0.0030	0.00028	1	09/28/20 15:08	09/29/20 18:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/28/20 15:08	09/29/20 18:43	7440-38-2	
Barium	0.013	mg/L	0.010	0.00071	1	09/28/20 15:08	09/29/20 18:43	7440-39-3	
Beryllium	0.000075J	mg/L	0.0030	0.000046	1	09/28/20 15:08	09/29/20 18:43	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/28/20 15:08	09/29/20 18:43	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/28/20 15:08	09/29/20 18:43	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/28/20 15:08	09/29/20 18:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/28/20 15:08	09/29/20 18:43	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/28/20 15:08	09/29/20 18:43	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/28/20 15:08	09/29/20 18:43	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/28/20 15:08	09/29/20 18:43	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/28/20 15:08	09/29/20 18:43	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/28/20 15:08	09/29/20 18:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/28/20 15:08	09/29/20 18:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/28/20 15:08	09/29/20 18:43	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 09:58	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	84.0	mg/L	10.0	10.0	1		09/23/20 13:17		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	3.5	mg/L	1.0	0.60	1		09/24/20 16:07	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/24/20 16:07	16984-48-8	
Sulfate	5.5	mg/L	1.0	0.50	1		09/24/20 16:07	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: FBL092120		Lab ID: 92495870027		Collected: 09/21/20 14:32	Received: 09/22/20 10:20	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	ND	mg/L	1.0	0.070	1	09/24/20 08:45	09/24/20 22:42	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/24/20 08:45	09/24/20 22:42	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/28/20 15:08	09/29/20 18:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/28/20 15:08	09/29/20 18:49	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	09/28/20 15:08	09/29/20 18:49	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/28/20 15:08	09/29/20 18:49	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/28/20 15:08	09/29/20 18:49	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/28/20 15:08	09/29/20 18:49	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/28/20 15:08	09/29/20 18:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/28/20 15:08	09/29/20 18:49	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/28/20 15:08	09/29/20 18:49	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/28/20 15:08	09/29/20 18:49	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/28/20 15:08	09/29/20 18:49	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/28/20 15:08	09/29/20 18:49	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/28/20 15:08	09/29/20 18:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/28/20 15:08	09/29/20 18:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/28/20 15:08	09/29/20 18:49	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 10:00	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/23/20 13:17		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		09/24/20 16:21	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/24/20 16:21	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/24/20 16:21	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-13 **Lab ID: 92495870028** Collected: 09/22/20 10:14 Received: 09/23/20 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data Analytical Method:
Pace Analytical Services - Charlotte

pH	7.34	Std. Units			1		09/29/20 12:26		
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6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	43.1	mg/L	1.0	0.070	1	09/25/20 15:02	09/28/20 20:50	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/25/20 15:02	09/29/20 17:04	7440-66-6	

6020 MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00028	1	09/28/20 15:08	09/29/20 19:29	7440-36-0	
Arsenic	0.00098J	mg/L	0.0050	0.00078	1	09/28/20 15:08	09/29/20 19:29	7440-38-2	
Barium	0.027	mg/L	0.010	0.00071	1	09/28/20 15:08	09/29/20 19:29	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/28/20 15:08	09/29/20 19:29	7440-41-7	
Boron	0.0087J	mg/L	0.10	0.0052	1	09/28/20 15:08	09/29/20 19:29	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/28/20 15:08	09/29/20 19:29	7440-43-9	
Chromium	0.0062J	mg/L	0.010	0.00055	1	09/28/20 15:08	09/29/20 19:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/28/20 15:08	09/29/20 19:29	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/28/20 15:08	09/29/20 19:29	7440-50-8	
Lead	0.00015J	mg/L	0.0050	0.000036	1	09/28/20 15:08	09/29/20 19:29	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/28/20 15:08	09/29/20 19:29	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/28/20 15:08	09/29/20 19:29	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/28/20 15:08	09/29/20 19:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/28/20 15:08	09/29/20 19:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/28/20 15:08	09/29/20 19:29	7440-62-2	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 10:03	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	176	mg/L	10.0	10.0	1		09/25/20 21:59		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.5	mg/L	1.0	0.60	1		09/27/20 08:09	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/27/20 08:09	16984-48-8	
Sulfate	39.6	mg/L	1.0	0.50	1		09/27/20 08:09	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Sample: GWC-13RZ **Lab ID: 92495870029** Collected: 09/22/20 09:24 Received: 09/23/20 10:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data Analytical Method:
Pace Analytical Services - Charlotte

pH	6.95	Std. Units			1		09/29/20 12:26		
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6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	47.7	mg/L	1.0	0.070	1	09/25/20 15:02	09/28/20 20:54	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/25/20 15:02	09/29/20 17:09	7440-66-6	

6020 MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.00079J	mg/L	0.0030	0.00028	1	09/28/20 15:08	09/29/20 19:35	7440-36-0	
Arsenic	0.00086J	mg/L	0.0050	0.00078	1	09/28/20 15:08	09/29/20 19:35	7440-38-2	
Barium	0.095	mg/L	0.010	0.00071	1	09/28/20 15:08	09/29/20 19:35	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/28/20 15:08	09/29/20 19:35	7440-41-7	
Boron	0.010J	mg/L	0.10	0.0052	1	09/28/20 15:08	09/29/20 19:35	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/28/20 15:08	09/29/20 19:35	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/28/20 15:08	09/29/20 19:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/28/20 15:08	09/29/20 19:35	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/28/20 15:08	09/29/20 19:35	7440-50-8	
Lead	0.000071J	mg/L	0.0050	0.000036	1	09/28/20 15:08	09/29/20 19:35	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/28/20 15:08	09/29/20 19:35	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/28/20 15:08	09/29/20 19:35	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/28/20 15:08	09/29/20 19:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/28/20 15:08	09/29/20 19:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/28/20 15:08	09/29/20 19:35	7440-62-2	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 10:05	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	248	mg/L	10.0	10.0	1		09/25/20 21:59		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	7.0	mg/L	1.0	0.60	1		09/27/20 08:52	16887-00-6	
Fluoride	0.10J	mg/L	0.30	0.050	1		09/27/20 08:52	16984-48-8	
Sulfate	69.8	mg/L	1.0	0.50	1		09/27/20 08:52	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Sample: FBL092220		Lab ID: 92495870030		Collected: 09/22/20 11:06	Received: 09/23/20 10:34	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	ND	mg/L	1.0	0.070	1	09/25/20 15:02	09/28/20 21:07	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/25/20 15:02	09/29/20 17:13	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/28/20 15:08	09/29/20 19:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/28/20 15:08	09/29/20 19:41	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	09/28/20 15:08	09/29/20 19:41	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/28/20 15:08	09/29/20 19:41	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/28/20 15:08	09/29/20 19:41	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/28/20 15:08	09/29/20 19:41	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/28/20 15:08	09/29/20 19:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/28/20 15:08	09/29/20 19:41	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/28/20 15:08	09/29/20 19:41	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/28/20 15:08	09/29/20 19:41	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/28/20 15:08	09/29/20 19:41	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/28/20 15:08	09/29/20 19:41	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/28/20 15:08	09/29/20 19:41	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/28/20 15:08	09/29/20 19:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/28/20 15:08	09/29/20 19:41	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/28/20 09:15	09/29/20 10:07	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/25/20 21:59		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		09/27/20 09:07	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/27/20 09:07	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/27/20 09:07	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 566968 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004, 92495870005

METHOD BLANK: 3004555 Matrix: Water
Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004, 92495870005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/17/20 21:26	
Zinc	mg/L	ND	0.020	0.0035	09/17/20 21:26	

LABORATORY CONTROL SAMPLE: 3004556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Zinc	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004557 3004558

Parameter	Units	92494171032		3004557		3004558		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Calcium	mg/L	31.0	1	1	30.4	29.8	-60	-118	75-125	2	20 M1
Zinc	mg/L	ND	1	1	0.96	0.94	96	94	75-125	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch:	568426	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92495870006, 92495870007, 92495870008, 92495870009, 92495870010, 92495870011, 92495870012, 92495870013, 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019, 92495870020		

METHOD BLANK:	3011664	Matrix:	Water
Associated Lab Samples:	92495870006, 92495870007, 92495870008, 92495870009, 92495870010, 92495870011, 92495870012, 92495870013, 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019, 92495870020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/24/20 18:01	
Zinc	mg/L	ND	0.020	0.0035	09/24/20 18:01	

LABORATORY CONTROL SAMPLE:	3011665					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Zinc	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3011666			3011667								
Parameter	Units	92495870006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	2.8	1	1	3.6	3.5	85	71	75-125	4	20	M1
Zinc	mg/L	0.033	1	1	1.0	0.97	99	94	75-125	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3011668			3011669								
Parameter	Units	92495870007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	14.3	1	1	33.9	34.3	1960	2000	75-125	1	20	M1
Zinc	mg/L	ND	1	1	0.96	0.96	96	95	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch:	568471	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870021, 92495870022, 92495870023, 92495870024, 92495870025, 92495870026, 92495870027

METHOD BLANK: 3011975

Matrix: Water

Associated Lab Samples: 92495870021, 92495870022, 92495870023, 92495870024, 92495870025, 92495870026, 92495870027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/24/20 20:30	
Zinc	mg/L	ND	0.020	0.0035	09/24/20 20:30	

LABORATORY CONTROL SAMPLE: 3011976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Zinc	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011977 3011978

Parameter	Units	92495894004 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Calcium	mg/L	98.0	1	1	103	99.8	522	175	75-125	3	20	M1
Zinc	mg/L	ND	1	1	0.97	1.1	97	110	75-125	12	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011979 3011980

Parameter	Units	92495894005 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Calcium	mg/L	105	1	1	124	132	1930	2680	75-125	6	20	M1
Zinc	mg/L	ND	1	1	0.96	0.96	96	96	75-125	0	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch: 569036

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870028, 92495870029, 92495870030

METHOD BLANK: 3014892

Matrix: Water

Associated Lab Samples: 92495870028, 92495870029, 92495870030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/28/20 19:33	
Zinc	mg/L	ND	0.020	0.0035	09/29/20 16:52	

LABORATORY CONTROL SAMPLE: 3014893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	101	80-120	
Zinc	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3014894 3014895

Parameter	Units	92496941003		3014894		3014895		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Calcium	mg/L	54.7	1	1	57.3	56.8	256	203	75-125	1	20 M1
Zinc	mg/L	0.11	1	1	0.92	0.93	82	83	75-125	1	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 567397 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004, 92495870005

METHOD BLANK: 3006748 Matrix: Water
Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004, 92495870005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00033J	0.0030	0.00028	09/22/20 15:42	
Arsenic	mg/L	ND	0.0050	0.00078	09/22/20 15:42	
Barium	mg/L	ND	0.010	0.00071	09/22/20 15:42	
Beryllium	mg/L	ND	0.0030	0.000046	09/22/20 15:42	
Boron	mg/L	ND	0.10	0.0052	09/22/20 15:42	
Cadmium	mg/L	ND	0.0025	0.00012	09/22/20 15:42	
Chromium	mg/L	ND	0.010	0.00055	09/22/20 15:42	
Cobalt	mg/L	ND	0.0050	0.00038	09/22/20 15:42	
Copper	mg/L	ND	0.025	0.0017	09/22/20 15:42	
Lead	mg/L	ND	0.0050	0.000036	09/22/20 15:42	
Nickel	mg/L	ND	0.010	0.00069	09/22/20 15:42	
Selenium	mg/L	ND	0.010	0.0016	09/22/20 15:42	
Silver	mg/L	ND	0.010	0.00036	09/22/20 15:42	
Thallium	mg/L	ND	0.0010	0.00014	09/22/20 15:42	
Vanadium	mg/L	ND	0.010	0.0022	09/22/20 15:42	

LABORATORY CONTROL SAMPLE: 3006749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	106	80-120	
Boron	mg/L	1	1.1	112	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.099	99	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.10	102	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Parameter	Units	3006750		3006751		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		92495870002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						MSD Result
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20
Arsenic	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20
Barium	mg/L	0.019	0.1	0.1	0.12	0.12	97	99	75-125	2	20
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20
Boron	mg/L	0.0053J	1	1	1.0	1.0	100	101	75-125	1	20
Cadmium	mg/L	ND	0.1	0.1	0.098	0.096	98	96	75-125	1	20
Chromium	mg/L	0.00086J	0.1	0.1	0.10	0.10	103	104	75-125	1	20
Cobalt	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20
Copper	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20
Lead	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	1	20
Nickel	mg/L	ND	0.1	0.1	0.10	0.099	99	98	75-125	1	20
Selenium	mg/L	ND	0.1	0.1	0.099	0.096	99	96	75-125	3	20
Silver	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20
Thallium	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	1	20
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	1	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 568417 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495870006, 92495870007, 92495870008, 92495870009, 92495870010

METHOD BLANK: 3011604 Matrix: Water
Associated Lab Samples: 92495870006, 92495870007, 92495870008, 92495870009, 92495870010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/23/20 18:33	
Arsenic	mg/L	ND	0.0050	0.00078	09/23/20 18:33	
Barium	mg/L	ND	0.010	0.00071	09/23/20 18:33	
Beryllium	mg/L	ND	0.0030	0.000046	09/23/20 18:33	
Boron	mg/L	ND	0.10	0.0052	09/23/20 18:33	
Cadmium	mg/L	ND	0.0025	0.00012	09/23/20 18:33	
Chromium	mg/L	ND	0.010	0.00055	09/23/20 18:33	
Cobalt	mg/L	ND	0.0050	0.00038	09/23/20 18:33	
Copper	mg/L	ND	0.025	0.0017	09/23/20 18:33	
Lead	mg/L	ND	0.0050	0.000036	09/23/20 18:33	
Nickel	mg/L	ND	0.010	0.00069	09/23/20 18:33	
Selenium	mg/L	ND	0.010	0.0016	09/23/20 18:33	
Silver	mg/L	ND	0.010	0.00036	09/23/20 18:33	
Thallium	mg/L	ND	0.0010	0.00014	09/23/20 18:33	
Vanadium	mg/L	ND	0.010	0.0022	09/23/20 18:33	

LABORATORY CONTROL SAMPLE: 3011605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	105	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.11	107	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011606		3011607		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92495876001 Result	MS Spike Conc.	MSD Spike Conc.								
Antimony	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	1	20	
Barium	mg/L	0.030	0.1	0.1	0.13	0.13	96	95	75-125	1	20	
Beryllium	mg/L	0.00012J	0.1	0.1	0.098	0.095	98	95	75-125	2	20	
Boron	mg/L	0.0065J	1	1	1.0	0.98	100	97	75-125	3	20	
Cadmium	mg/L	0.00016J	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20	
Copper	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	1	20	
Lead	mg/L	0.00065J	0.1	0.1	0.098	0.099	97	99	75-125	2	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.096	96	95	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	2	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 568430 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495870011, 92495870012, 92495870013, 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019

METHOD BLANK: 3011696 Matrix: Water
Associated Lab Samples: 92495870011, 92495870012, 92495870013, 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/28/20 15:48	
Arsenic	mg/L	ND	0.0050	0.00078	09/28/20 15:48	
Barium	mg/L	ND	0.010	0.00071	09/28/20 15:48	
Beryllium	mg/L	ND	0.0030	0.000046	09/28/20 15:48	
Boron	mg/L	ND	0.10	0.0052	09/28/20 15:48	
Cadmium	mg/L	ND	0.0025	0.00012	09/28/20 15:48	
Chromium	mg/L	ND	0.010	0.00055	09/28/20 15:48	
Cobalt	mg/L	ND	0.0050	0.00038	09/28/20 15:48	
Copper	mg/L	ND	0.025	0.0017	09/28/20 15:48	
Lead	mg/L	ND	0.0050	0.000036	09/28/20 15:48	
Nickel	mg/L	ND	0.010	0.00069	09/28/20 15:48	
Selenium	mg/L	ND	0.010	0.0016	09/28/20 15:48	
Silver	mg/L	ND	0.010	0.00036	09/28/20 15:48	
Thallium	mg/L	ND	0.0010	0.00014	09/28/20 15:48	
Vanadium	mg/L	ND	0.010	0.0022	09/28/20 15:48	

LABORATORY CONTROL SAMPLE: 3011697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.1	115	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Silver	mg/L	0.1	0.11	105	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.10	101	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Parameter	Units	3012194		3012195		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92495870011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.098	0.10	98	102	75-125	4	20	
Arsenic	mg/L	ND	0.1	0.1	0.095	0.099	95	99	75-125	5	20	
Barium	mg/L	0.0079J	0.1	0.1	0.10	0.11	96	103	75-125	6	20	
Beryllium	mg/L	ND	0.1	0.1	0.099	0.10	99	102	75-125	3	20	
Boron	mg/L	0.0079J	1	1	1.1	1.2	112	116	75-125	4	20	
Cadmium	mg/L	ND	0.1	0.1	0.097	0.10	97	102	75-125	5	20	
Chromium	mg/L	ND	0.1	0.1	0.098	0.10	98	104	75-125	7	20	
Cobalt	mg/L	ND	0.1	0.1	0.096	0.10	96	101	75-125	6	20	
Copper	mg/L	0.0019J	0.1	0.1	0.098	0.10	96	103	75-125	7	20	
Lead	mg/L	ND	0.1	0.1	0.097	0.10	97	103	75-125	6	20	
Nickel	mg/L	0.00075J	0.1	0.1	0.095	0.10	95	102	75-125	7	20	
Selenium	mg/L	ND	0.1	0.1	0.091	0.097	90	96	75-125	6	20	
Silver	mg/L	0.00043J	0.1	0.1	0.10	0.11	102	108	75-125	5	20	
Thallium	mg/L	ND	0.1	0.1	0.097	0.10	97	102	75-125	6	20	
Vanadium	mg/L	ND	0.1	0.1	0.098	0.10	97	104	75-125	7	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch:	568749	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870020, 92495870021, 92495870022, 92495870023

METHOD BLANK: 3013302 Matrix: Water

Associated Lab Samples: 92495870020, 92495870021, 92495870022, 92495870023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/25/20 18:19	
Arsenic	mg/L	ND	0.0050	0.00078	09/25/20 18:19	
Barium	mg/L	ND	0.010	0.00071	09/25/20 18:19	
Beryllium	mg/L	ND	0.0030	0.000046	09/25/20 18:19	
Boron	mg/L	ND	0.10	0.0052	09/25/20 18:19	
Cadmium	mg/L	ND	0.0025	0.00012	09/25/20 18:19	
Chromium	mg/L	ND	0.010	0.00055	09/25/20 18:19	
Cobalt	mg/L	ND	0.0050	0.00038	09/25/20 18:19	
Copper	mg/L	ND	0.025	0.0017	09/25/20 18:19	
Lead	mg/L	ND	0.0050	0.000036	09/25/20 18:19	
Nickel	mg/L	ND	0.010	0.00069	09/25/20 18:19	
Selenium	mg/L	ND	0.010	0.0016	09/25/20 18:19	
Silver	mg/L	ND	0.010	0.00036	09/25/20 18:19	
Thallium	mg/L	ND	0.0010	0.00014	09/25/20 18:19	
Vanadium	mg/L	ND	0.010	0.0022	09/25/20 18:19	

LABORATORY CONTROL SAMPLE: 3013303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	105	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.096	96	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.099	99	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.097	97	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Parameter	Units	3013304		3013305		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92495894014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	108	75-125	4	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.11	101	106	75-125	5	20	
Barium	mg/L	0.099	0.1	0.1	0.18	0.19	85	89	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	4	20	
Boron	mg/L	2.0	1	1	3.0	3.1	102	106	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.097	0.10	97	104	75-125	7	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	101	108	75-125	7	20	
Cobalt	mg/L	ND	0.1	0.1	0.098	0.10	98	101	75-125	4	20	
Copper	mg/L	ND	0.1	0.1	0.094	0.099	94	99	75-125	6	20	
Lead	mg/L	ND	0.1	0.1	0.097	0.10	97	101	75-125	4	20	
Nickel	mg/L	ND	0.1	0.1	0.093	0.099	93	98	75-125	6	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.10	97	103	75-125	7	20	
Silver	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	4	20	
Thallium	mg/L	ND	0.1	0.1	0.094	0.099	94	99	75-125	5	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	101	108	75-125	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 569382 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495870024, 92495870025, 92495870026, 92495870027, 92495870028, 92495870029, 92495870030

METHOD BLANK: 3016873 Matrix: Water
Associated Lab Samples: 92495870024, 92495870025, 92495870026, 92495870027, 92495870028, 92495870029, 92495870030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/29/20 18:03	
Arsenic	mg/L	ND	0.0050	0.00078	09/29/20 18:03	
Barium	mg/L	ND	0.010	0.00071	09/29/20 18:03	
Beryllium	mg/L	ND	0.0030	0.000046	09/29/20 18:03	
Boron	mg/L	ND	0.10	0.0052	09/29/20 18:03	
Cadmium	mg/L	ND	0.0025	0.00012	09/29/20 18:03	
Chromium	mg/L	ND	0.010	0.00055	09/29/20 18:03	
Cobalt	mg/L	ND	0.0050	0.00038	09/29/20 18:03	
Copper	mg/L	ND	0.025	0.0017	09/29/20 18:03	
Lead	mg/L	ND	0.0050	0.000036	09/29/20 18:03	
Nickel	mg/L	ND	0.010	0.00069	09/29/20 18:03	
Selenium	mg/L	ND	0.010	0.0016	09/29/20 18:03	
Silver	mg/L	ND	0.010	0.00036	09/29/20 18:03	
Thallium	mg/L	ND	0.0010	0.00014	09/29/20 18:03	
Vanadium	mg/L	ND	0.010	0.0022	09/29/20 18:03	

LABORATORY CONTROL SAMPLE: 3016874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.095	95	80-120	
Boron	mg/L	1	0.94	94	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Chromium	mg/L	0.1	0.094	94	80-120	
Cobalt	mg/L	0.1	0.094	94	80-120	
Copper	mg/L	0.1	0.095	95	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Nickel	mg/L	0.1	0.093	93	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Silver	mg/L	0.1	0.095	95	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.095	95	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Parameter	Units	3016875		3016876		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		92495870024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	3	20	
Barium	mg/L	0.013	0.1	0.1	0.11	0.11	98	95	75-125	3	20	
Beryllium	mg/L	ND	0.1	0.1	0.096	0.094	96	94	75-125	1	20	
Boron	mg/L	ND	1	1	0.97	0.93	96	93	75-125	4	20	
Cadmium	mg/L	ND	0.1	0.1	0.098	0.095	98	95	75-125	3	20	
Chromium	mg/L	0.00089J	0.1	0.1	0.098	0.095	98	94	75-125	4	20	
Cobalt	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	3	20	
Copper	mg/L	ND	0.1	0.1	0.096	0.093	96	92	75-125	4	20	
Lead	mg/L	0.000075J	0.1	0.1	0.095	0.094	95	94	75-125	1	20	
Nickel	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	4	20	
Selenium	mg/L	ND	0.1	0.1	0.092	0.093	91	91	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.096	0.093	96	93	75-125	3	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.099	0.095	99	94	75-125	4	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch:	567255	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004, 92495870005

METHOD BLANK: 3006139 Matrix: Water

Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004, 92495870005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/18/20 12:53	

LABORATORY CONTROL SAMPLE: 3006140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3006141 3006142

Parameter	Units	3006141		3006142		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0025	102	100	75-125	2	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch:	568007	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870006, 92495870007, 92495870008, 92495870009, 92495870010

METHOD BLANK: 3009608 Matrix: Water
Associated Lab Samples: 92495870006, 92495870007, 92495870008, 92495870009, 92495870010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/23/20 09:49	

LABORATORY CONTROL SAMPLE: 3009609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3009610 3009611

Parameter	Units	3009610		3009611		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92496278002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0025	95	99	75-125	4	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch:	568012	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870011, 92495870012, 92495870013, 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019

METHOD BLANK: 3009635 Matrix: Water

Associated Lab Samples: 92495870011, 92495870012, 92495870013, 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/23/20 12:11	

LABORATORY CONTROL SAMPLE: 3009636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3009637 3009638

Parameter	Units	92495870011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0025	94	100	75-125	6	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch:	569299	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870020, 92495870021, 92495870022, 92495870023, 92495870024, 92495870025, 92495870026, 92495870027, 92495870028, 92495870029, 92495870030

METHOD BLANK: 3016189 Matrix: Water
Associated Lab Samples: 92495870020, 92495870021, 92495870022, 92495870023, 92495870024, 92495870025, 92495870026, 92495870027, 92495870028, 92495870029, 92495870030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/29/20 09:22	

LABORATORY CONTROL SAMPLE: 3016190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3016191 3016192

Parameter	Units	92495870020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0027	99	108	75-125	8	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch: 567139

Analysis Method: SM 2450C-2011

QC Batch Method: SM 2450C-2011

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004

METHOD BLANK: 3005336

Matrix: Water

Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/17/20 15:22	

LABORATORY CONTROL SAMPLE: 3005337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	420	105	84-108	

SAMPLE DUPLICATE: 3005338

Parameter	Units	92494171032 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	146	142	3	10	

SAMPLE DUPLICATE: 3005339

Parameter	Units	92495656003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	100	95.0	5	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 567147	Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870005

METHOD BLANK: 3005362 Matrix: Water

Associated Lab Samples: 92495870005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/17/20 15:18	

LABORATORY CONTROL SAMPLE: 3005363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	84-108	

SAMPLE DUPLICATE: 3005364

Parameter	Units	92495870005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 3005365

Parameter	Units	92495900007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1890	1860	2	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 567882 Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495870006, 92495870007, 92495870008, 92495870009, 92495870010, 92495870011, 92495870012, 92495870013

METHOD BLANK: 3009251 Matrix: Water
Associated Lab Samples: 92495870006, 92495870007, 92495870008, 92495870009, 92495870010, 92495870011, 92495870012, 92495870013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/21/20 16:27	

LABORATORY CONTROL SAMPLE: 3009252

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	412	103	84-108	

SAMPLE DUPLICATE: 3009253

Parameter	Units	92495653008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2090	2130	2	10	

SAMPLE DUPLICATE: 3009254

Parameter	Units	92495870011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	25.0	18.0	33	10 D6	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 568080 Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019

METHOD BLANK: 3010068 Matrix: Water
Associated Lab Samples: 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/22/20 14:20	

LABORATORY CONTROL SAMPLE: 3010069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	84-108	

SAMPLE DUPLICATE: 3010070

Parameter	Units	92495870014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	111	110	1	10	

SAMPLE DUPLICATE: 3010071

Parameter	Units	92495900015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	188	187	1	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch: 568395

Analysis Method: SM 2450C-2011

QC Batch Method: SM 2450C-2011

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870020, 92495870021, 92495870022, 92495870023, 92495870024, 92495870025, 92495870026, 92495870027

METHOD BLANK: 3011476

Matrix: Water

Associated Lab Samples: 92495870020, 92495870021, 92495870022, 92495870023, 92495870024, 92495870025, 92495870026, 92495870027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/23/20 13:15	

LABORATORY CONTROL SAMPLE: 3011477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	375	94	84-108	

SAMPLE DUPLICATE: 3011478

Parameter	Units	92495894018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	382	404	6	10	

SAMPLE DUPLICATE: 3011479

Parameter	Units	92495870020 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	93.0	91.0	2	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch: 569144	Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495870028, 92495870029, 92495870030

METHOD BLANK: 3015749 Matrix: Water

Associated Lab Samples: 92495870028, 92495870029, 92495870030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/25/20 21:57	

LABORATORY CONTROL SAMPLE: 3015750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	404	101	84-108	

SAMPLE DUPLICATE: 3015751

Parameter	Units	92496941005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	338	338	0	10	

SAMPLE DUPLICATE: 3015752

Parameter	Units	92497141005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

QC Batch: 567088 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004, 92495870005

METHOD BLANK: 3004873

Matrix: Water

Associated Lab Samples: 92495870001, 92495870002, 92495870003, 92495870004, 92495870005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/17/20 15:50	
Fluoride	mg/L	ND	0.30	0.050	09/17/20 15:50	
Sulfate	mg/L	ND	1.0	0.50	09/17/20 15:50	

LABORATORY CONTROL SAMPLE: 3004874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.8	104	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004875 3004876

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92494171032	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	3.3	3.3	50	50	57.1	57.7	107	109	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.7	2.7	106	108	90-110	2	10	
Sulfate	mg/L	4.9	4.9	50	50	58.8	59.4	108	109	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004877 3004878

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495870001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	1.3	1.3	50	50	52.0	55.5	101	108	90-110	6	10	
Fluoride	mg/L	0.050J	0.050J	2.5	2.5	2.6	2.7	101	108	90-110	6	10	
Sulfate	mg/L	0.96J	0.96J	50	50	51.5	55.0	101	108	90-110	6	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch:	567942	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92495870006, 92495870007, 92495870008, 92495870009, 92495870010, 92495870011, 92495870012, 92495870013, 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019

METHOD BLANK: 3009478 Matrix: Water
Associated Lab Samples: 92495870006, 92495870007, 92495870008, 92495870009, 92495870010, 92495870011, 92495870012, 92495870013, 92495870014, 92495870015, 92495870016, 92495870017, 92495870018, 92495870019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/21/20 23:05	
Fluoride	mg/L	ND	0.30	0.050	09/21/20 23:05	
Sulfate	mg/L	ND	1.0	0.50	09/21/20 23:05	

LABORATORY CONTROL SAMPLE: 3009479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.8	106	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	52.8	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3009480 3009481

Parameter	Units	3009480		3009481		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	1.7	50	50	53.8	53.6	104	104	90-110	0	10
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	104	103	90-110	0	10
Sulfate	mg/L	8.6	50	50	60.9	60.8	105	104	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3009482 3009483

Parameter	Units	3009482		3009483		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	0.97J	50	50	53.1	53.5	104	105	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	104	105	90-110	2	10
Sulfate	mg/L	ND	50	50	52.3	52.7	104	105	90-110	1	10

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 568377 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92495870020, 92495870021, 92495870022, 92495870023

METHOD BLANK: 3011350 Matrix: Water
Associated Lab Samples: 92495870020, 92495870021, 92495870022, 92495870023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/24/20 06:58	
Fluoride	mg/L	ND	0.30	0.050	09/24/20 06:58	
Sulfate	mg/L	ND	1.0	0.50	09/24/20 06:58	

LABORATORY CONTROL SAMPLE: 3011351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.7	101	90-110	
Fluoride	mg/L	2.5	2.6	102	90-110	
Sulfate	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011352 3011353

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495656005	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	1.9	50	50	55.8	56.2	108	109	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	109	110	90-110	1	10		
Sulfate	mg/L	5.9	50	50	59.3	59.6	107	108	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011354 3011355

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92496524001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	2.6	50	50	56.8	57.6	108	110	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	108	110	90-110	2	10		
Sulfate	mg/L	1.0	50	50	54.0	54.8	106	108	90-110	1	10		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 568379 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92495870024, 92495870025, 92495870026, 92495870027

METHOD BLANK: 3011360 Matrix: Water
Associated Lab Samples: 92495870024, 92495870025, 92495870026, 92495870027

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/24/20 14:11	
Fluoride	mg/L	ND	0.30	0.050	09/24/20 14:11	
Sulfate	mg/L	ND	1.0	0.50	09/24/20 14:11	

LABORATORY CONTROL SAMPLE: 3011361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.6	103	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	50.7	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011362 3011363

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495870024 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	0.64J	50	50	54.6	55.2	108	109	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	110	90-110	0	10		
Sulfate	mg/L	0.90J	50	50	53.7	54.3	106	107	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011364 3011365

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495900019 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	236	50	50	284	284	96	95	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	96	100	90-110	4	10		
Sulfate	mg/L	1010	50	50	1040	1040	78	68	90-110	1	10 M6		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

QC Batch: 569206 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92495870028, 92495870029, 92495870030

METHOD BLANK: 3015927 Matrix: Water
Associated Lab Samples: 92495870028, 92495870029, 92495870030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/27/20 02:07	
Fluoride	mg/L	ND	0.30	0.050	09/27/20 02:07	
Sulfate	mg/L	ND	1.0	0.50	09/27/20 02:07	

LABORATORY CONTROL SAMPLE: 3015928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.4	107	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	52.9	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3015931 3015932

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92496941006	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	3.2	50	50	57.3	57.2	108	108	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	99	99	90-110	0	10		
Sulfate	mg/L	40.2	50	50	93.6	93.5	107	106	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3015973 3015974

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92496940001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	1.6	50	50	64.7	63.0	126	123	90-110	3	10	M1	
Fluoride	mg/L	0.099J	2.5	2.5	3.3	3.2	130	126	90-110	3	10	M1	
Sulfate	mg/L	13.5	50	50	78.6	76.7	130	126	90-110	2	10	M1	

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QUALIFIERS

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

MW Due to matrix interference, achieving a constant weight is not possible.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92495870001	GWA-1				
92495870002	GWA-2				
92495870003	GWA-2R				
92495870004	GWA-50R				
92495870006	GWC-5				
92495870007	GWC-6				
92495870008	GWC-6RZ				
92495870009	GWC-7Z				
92495870010	GWA-50				
92495870012	GWA-4RZ				
92495870013	GWC-8Z				
92495870014	GWC-8RR				
92495870015	GWC-9				
92495870016	GWC-10				
92495870017	GWC-10R				
92495870020	GWC-11				
92495870021	GWC-11R				
92495870022	GWC-12				
92495870023	GWC-14Z				
92495870024	GWC-15Z				
92495870025	GWC-15R				
92495870028	GWC-13				
92495870029	GWC-13RZ				
92495870001	GWA-1	EPA 3010A	566968	EPA 6010D	566969
92495870002	GWA-2	EPA 3010A	566968	EPA 6010D	566969
92495870003	GWA-2R	EPA 3010A	566968	EPA 6010D	566969
92495870004	GWA-50R	EPA 3010A	566968	EPA 6010D	566969
92495870005	FBL091520	EPA 3010A	566968	EPA 6010D	566969
92495870006	GWC-5	EPA 3010A	568426	EPA 6010D	568661
92495870007	GWC-6	EPA 3010A	568426	EPA 6010D	568661
92495870008	GWC-6RZ	EPA 3010A	568426	EPA 6010D	568661
92495870009	GWC-7Z	EPA 3010A	568426	EPA 6010D	568661
92495870010	GWA-50	EPA 3010A	568426	EPA 6010D	568661
92495870011	DUP-1	EPA 3010A	568426	EPA 6010D	568661
92495870012	GWA-4RZ	EPA 3010A	568426	EPA 6010D	568661
92495870013	GWC-8Z	EPA 3010A	568426	EPA 6010D	568661
92495870014	GWC-8RR	EPA 3010A	568426	EPA 6010D	568661
92495870015	GWC-9	EPA 3010A	568426	EPA 6010D	568661
92495870016	GWC-10	EPA 3010A	568426	EPA 6010D	568661
92495870017	GWC-10R	EPA 3010A	568426	EPA 6010D	568661
92495870018	DUP-2	EPA 3010A	568426	EPA 6010D	568661
92495870019	FBL091720	EPA 3010A	568426	EPA 6010D	568661
92495870020	GWC-11	EPA 3010A	568426	EPA 6010D	568661
92495870021	GWC-11R	EPA 3010A	568471	EPA 6010D	568669
92495870022	GWC-12	EPA 3010A	568471	EPA 6010D	568669
92495870023	GWC-14Z	EPA 3010A	568471	EPA 6010D	568669
92495870024	GWC-15Z	EPA 3010A	568471	EPA 6010D	568669

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 1&2
Pace Project No.: 92495870

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92495870025	GWC-15R	EPA 3010A	568471	EPA 6010D	568669
92495870026	DUP-3	EPA 3010A	568471	EPA 6010D	568669
92495870027	FBL092120	EPA 3010A	568471	EPA 6010D	568669
92495870028	GWC-13	EPA 3010A	569036	EPA 6010D	569131
92495870029	GWC-13RZ	EPA 3010A	569036	EPA 6010D	569131
92495870030	FBL092220	EPA 3010A	569036	EPA 6010D	569131
92495870001	GWA-1	EPA 3005A	567397	EPA 6020B	567512
92495870002	GWA-2	EPA 3005A	567397	EPA 6020B	567512
92495870003	GWA-2R	EPA 3005A	567397	EPA 6020B	567512
92495870004	GWA-50R	EPA 3005A	567397	EPA 6020B	567512
92495870005	FBL091520	EPA 3005A	567397	EPA 6020B	567512
92495870006	GWC-5	EPA 3005A	568417	EPA 6020B	568454
92495870007	GWC-6	EPA 3005A	568417	EPA 6020B	568454
92495870008	GWC-6RZ	EPA 3005A	568417	EPA 6020B	568454
92495870009	GWC-7Z	EPA 3005A	568417	EPA 6020B	568454
92495870010	GWA-50	EPA 3005A	568417	EPA 6020B	568454
92495870011	DUP-1	EPA 3005A	568430	EPA 6020B	568663
92495870012	GWA-4RZ	EPA 3005A	568430	EPA 6020B	568663
92495870013	GWC-8Z	EPA 3005A	568430	EPA 6020B	568663
92495870014	GWC-8RR	EPA 3005A	568430	EPA 6020B	568663
92495870015	GWC-9	EPA 3005A	568430	EPA 6020B	568663
92495870016	GWC-10	EPA 3005A	568430	EPA 6020B	568663
92495870017	GWC-10R	EPA 3005A	568430	EPA 6020B	568663
92495870018	DUP-2	EPA 3005A	568430	EPA 6020B	568663
92495870019	FBL091720	EPA 3005A	568430	EPA 6020B	568663
92495870020	GWC-11	EPA 3005A	568749	EPA 6020B	568811
92495870021	GWC-11R	EPA 3005A	568749	EPA 6020B	568811
92495870022	GWC-12	EPA 3005A	568749	EPA 6020B	568811
92495870023	GWC-14Z	EPA 3005A	568749	EPA 6020B	568811
92495870024	GWC-15Z	EPA 3005A	569382	EPA 6020B	569504
92495870025	GWC-15R	EPA 3005A	569382	EPA 6020B	569504
92495870026	DUP-3	EPA 3005A	569382	EPA 6020B	569504
92495870027	FBL092120	EPA 3005A	569382	EPA 6020B	569504
92495870028	GWC-13	EPA 3005A	569382	EPA 6020B	569504
92495870029	GWC-13RZ	EPA 3005A	569382	EPA 6020B	569504
92495870030	FBL092220	EPA 3005A	569382	EPA 6020B	569504
92495870001	GWA-1	EPA 7470A	567255	EPA 7470A	567454
92495870002	GWA-2	EPA 7470A	567255	EPA 7470A	567454
92495870003	GWA-2R	EPA 7470A	567255	EPA 7470A	567454
92495870004	GWA-50R	EPA 7470A	567255	EPA 7470A	567454
92495870005	FBL091520	EPA 7470A	567255	EPA 7470A	567454
92495870006	GWC-5	EPA 7470A	568007	EPA 7470A	568119
92495870007	GWC-6	EPA 7470A	568007	EPA 7470A	568119
92495870008	GWC-6RZ	EPA 7470A	568007	EPA 7470A	568119
92495870009	GWC-7Z	EPA 7470A	568007	EPA 7470A	568119

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92495870010	GWA-50	EPA 7470A	568007	EPA 7470A	568119
92495870011	DUP-1	EPA 7470A	568012	EPA 7470A	568122
92495870012	GWA-4RZ	EPA 7470A	568012	EPA 7470A	568122
92495870013	GWC-8Z	EPA 7470A	568012	EPA 7470A	568122
92495870014	GWC-8RR	EPA 7470A	568012	EPA 7470A	568122
92495870015	GWC-9	EPA 7470A	568012	EPA 7470A	568122
92495870016	GWC-10	EPA 7470A	568012	EPA 7470A	568122
92495870017	GWC-10R	EPA 7470A	568012	EPA 7470A	568122
92495870018	DUP-2	EPA 7470A	568012	EPA 7470A	568122
92495870019	FBL091720	EPA 7470A	568012	EPA 7470A	568122
92495870020	GWC-11	EPA 7470A	569299	EPA 7470A	569455
92495870021	GWC-11R	EPA 7470A	569299	EPA 7470A	569455
92495870022	GWC-12	EPA 7470A	569299	EPA 7470A	569455
92495870023	GWC-14Z	EPA 7470A	569299	EPA 7470A	569455
92495870024	GWC-15Z	EPA 7470A	569299	EPA 7470A	569455
92495870025	GWC-15R	EPA 7470A	569299	EPA 7470A	569455
92495870026	DUP-3	EPA 7470A	569299	EPA 7470A	569455
92495870027	FBL092120	EPA 7470A	569299	EPA 7470A	569455
92495870028	GWC-13	EPA 7470A	569299	EPA 7470A	569455
92495870029	GWC-13RZ	EPA 7470A	569299	EPA 7470A	569455
92495870030	FBL092220	EPA 7470A	569299	EPA 7470A	569455
92495870001	GWA-1	SM 2450C-2011	567139		
92495870002	GWA-2	SM 2450C-2011	567139		
92495870003	GWA-2R	SM 2450C-2011	567139		
92495870004	GWA-50R	SM 2450C-2011	567139		
92495870005	FBL091520	SM 2450C-2011	567147		
92495870006	GWC-5	SM 2450C-2011	567882		
92495870007	GWC-6	SM 2450C-2011	567882		
92495870008	GWC-6RZ	SM 2450C-2011	567882		
92495870009	GWC-7Z	SM 2450C-2011	567882		
92495870010	GWA-50	SM 2450C-2011	567882		
92495870011	DUP-1	SM 2450C-2011	567882		
92495870012	GWA-4RZ	SM 2450C-2011	567882		
92495870013	GWC-8Z	SM 2450C-2011	567882		
92495870014	GWC-8RR	SM 2450C-2011	568080		
92495870015	GWC-9	SM 2450C-2011	568080		
92495870016	GWC-10	SM 2450C-2011	568080		
92495870017	GWC-10R	SM 2450C-2011	568080		
92495870018	DUP-2	SM 2450C-2011	568080		
92495870019	FBL091720	SM 2450C-2011	568080		
92495870020	GWC-11	SM 2450C-2011	568395		
92495870021	GWC-11R	SM 2450C-2011	568395		
92495870022	GWC-12	SM 2450C-2011	568395		
92495870023	GWC-14Z	SM 2450C-2011	568395		
92495870024	GWC-15Z	SM 2450C-2011	568395		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 1&2

Pace Project No.: 92495870

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92495870025	GWC-15R	SM 2450C-2011	568395		
92495870026	DUP-3	SM 2450C-2011	568395		
92495870027	FBL092120	SM 2450C-2011	568395		
92495870028	GWC-13	SM 2450C-2011	569144		
92495870029	GWC-13RZ	SM 2450C-2011	569144		
92495870030	FBL092220	SM 2450C-2011	569144		
92495870001	GWA-1	EPA 300.0 Rev 2.1 1993	567088		
92495870002	GWA-2	EPA 300.0 Rev 2.1 1993	567088		
92495870003	GWA-2R	EPA 300.0 Rev 2.1 1993	567088		
92495870004	GWA-50R	EPA 300.0 Rev 2.1 1993	567088		
92495870005	FBL091520	EPA 300.0 Rev 2.1 1993	567088		
92495870006	GWC-5	EPA 300.0 Rev 2.1 1993	567942		
92495870007	GWC-6	EPA 300.0 Rev 2.1 1993	567942		
92495870008	GWC-6RZ	EPA 300.0 Rev 2.1 1993	567942		
92495870009	GWC-7Z	EPA 300.0 Rev 2.1 1993	567942		
92495870010	GWA-50	EPA 300.0 Rev 2.1 1993	567942		
92495870011	DUP-1	EPA 300.0 Rev 2.1 1993	567942		
92495870012	GWA-4RZ	EPA 300.0 Rev 2.1 1993	567942		
92495870013	GWC-8Z	EPA 300.0 Rev 2.1 1993	567942		
92495870014	GWC-8RR	EPA 300.0 Rev 2.1 1993	567942		
92495870015	GWC-9	EPA 300.0 Rev 2.1 1993	567942		
92495870016	GWC-10	EPA 300.0 Rev 2.1 1993	567942		
92495870017	GWC-10R	EPA 300.0 Rev 2.1 1993	567942		
92495870018	DUP-2	EPA 300.0 Rev 2.1 1993	567942		
92495870019	FBL091720	EPA 300.0 Rev 2.1 1993	567942		
92495870020	GWC-11	EPA 300.0 Rev 2.1 1993	568377		
92495870021	GWC-11R	EPA 300.0 Rev 2.1 1993	568377		
92495870022	GWC-12	EPA 300.0 Rev 2.1 1993	568377		
92495870023	GWC-14Z	EPA 300.0 Rev 2.1 1993	568377		
92495870024	GWC-15Z	EPA 300.0 Rev 2.1 1993	568379		
92495870025	GWC-15R	EPA 300.0 Rev 2.1 1993	568379		
92495870026	DUP-3	EPA 300.0 Rev 2.1 1993	568379		
92495870027	FBL092120	EPA 300.0 Rev 2.1 1993	568379		
92495870028	GWC-13	EPA 300.0 Rev 2.1 1993	569206		
92495870029	GWC-13RZ	EPA 300.0 Rev 2.1 1993	569206		
92495870030	FBL092220	EPA 300.0 Rev 2.1 1993	569206		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Sample Condition Upon Receipt

Client Name: GA Power

WO#: 92495870



Courier: Fed Ex UPS USPS Client Commercial Pace

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 214 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 0.8
Temp should be above freezing to 6°C

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 9/16/2004

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Client Information:
 Name: Georgia Power
 Address: 1003 Weatherstone Parkway
 City: Atlanta, GA 30188
 Contact: Kevin Stephenson
 Phone: (678) 548-6415
 Fax: []
 Email: kevin.stephenson@ge.com
 Requested Date: []

Section B
 Required Project Information:
 Report To: Kevin Stephenson
 Copy To: []
 Project Name: Bowen LF Cells 142
 Project #: []
 Purchase Order #: []

Section C
 Invoice Information:
 Attention: []
 Company Name: []
 Address: []
 City: []
 State: []
 Zip: []
 Project Manager: kevin.herring@ge.com
 Project Profile #: 10850

Section D
 Regulatory Agency: []
 State / Location: GA

ITEM #	SAMPLE ID	MATRIX CODE	MATERIAL	WEIGHT	DATE	TIME	COLLECTED	START	END	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES	ANALYSES TEST	REQUESTED ANALYSES (Y/N)	REMARKS BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	ADDITIONAL COMMENTS
13	GWC-10	WT	DMING WARD WATER WATER WAST PULP SOLID WGC A&D Other TS	WT																	
14	GWC-10R	WT		WT																	
15	GWC-11	WT		WT																	
16	GWC-11R	WT		WT																	
17	GWC-12	WT		WT																	
18	GWC-13	WT		WT																	
19	GWC-13RZ	WT		WT																	
20	GWC-14Z	WT		WT																	
21	GWC-15R	WT		WT																	
22	GWC-15Z	WT		WT																	
23	GWA-50	WT		WT																	
24	GWA-SOR	WT		WT																	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Will Laker, Kevin Stephenson, Veronica Fay
 SIGNATURE of SAMPLER: [Signatures]
 DATE signed: 9/15/20

TEMP In C

Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

STATE METALS include Sb, As, Ba, Be, Cd, Co, Cr, Cu, Pb, Ni, Se, Ag, Ti, V, Zn, Co

REMARKS BY / AFFILIATION: Veronica Fay
 DATE: 9/15
 TIME: 5:00
 ACCEPTED BY / AFFILIATION: Cindy Woods
 DATE: 9/15
 TIME: 5:00

PH 5.26



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company: Georgia Power
Address: 1003 Weatherstone Parkway
City: Odessa, GA 30718
Contact: Kevin.Stephenson@ge.com
Phone: (678)548-0415
Requested Date: _____

Section B
Required Project Information:

Report To: Kevin Stephenson
Copy To: _____
Purchase Order #: _____
Project Name: Bowen LF Cells 1&2
Project #: _____

Section C
Invoice Information:

Company Name: _____
Address: _____
Post Office: _____
Post Project Manager: Kevin.Henry@pacelabs.com
Post Profile #: 10850

Page: 3 Of 3

Regulatory Agency: _____
State / Location: GA

ITEM #	MATERIALS Designation Weight West Weight Product OID WPC APD Other Tissue	CODES DWC MWC MWD PO SIC WPC APD OTC TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyses Test	Requested Analytic Preserved (Y/N)	Residual Chlorine (Y/N)
					START DATE	END DATE						
25	DUP-1											
26	DUP-2											
27	DUP-3											
28	FIL091520		WT G	9/15/20	1601							
29	FIL2		WT									
30	FIL3		WT									
31	FIL4		WT									
32	EQBL		WT									
33												
34												
35												
36												

ADDITIONAL COMMENTS

State Metals include Sb, As, Ba, Be, Cd, Co, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Co

REQUISITIONED BY / AFFILIATION

VENONICA FAY
Circula Martin
Vig Williams/Res

DATE

9/15
9/16
9/16

TIME

5:00
9:25
1500

ACCEPTED BY / AFFILIATION

Circula Martin
Vig Williams/Res

DATE

9/16
9/16

TIME

5:00
9:25
1500

SAMPLE CONDITIONS

TEMP IN C
Received on Ice
Custody Sealed
Cooler
Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Will Baker, Kevin Stephenson, Venonica Fay

SIGNATURE of SAMPLER: *Venonica Fay*

DATE signed: 9/15/20

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information

Company: **GA POWER**
Address: **1003 Weatherstone Parkway
Woodstock, Ga 30188**

Section B
Required Project Information

Report To: **Kevin Stephenson**
Copy To: **Rhonda Quinn**

Section C
Invoice Information:

Attention: **Southern Co.**
Company Name:
Address:
Reference: **Kevin Herring**
Project Manager:
Pace Profile #: **2928**

Section D
Requested Client Information

Requested Date Data/TAT: **10 Day**

Section E
REGULATORY AGENCY

NPDES GROUND WATER
UST RCRA OTHER
Site Location: **GA**
STATE:

Section F
Requested Analysis Filtered (Y/N)

Analysis Test: **Cl, F, SO4
Metals 6020/7470 App. III
TDS
State Metals**

ITEM #	Section D Required Client Information	Section E MATERIALS DRAWING WATER WATER WASTE WATER PRODUCT SOL/SOLID OIL WIFE AIR	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH
					DATE	TIME	DATE						
1	GWA-1												
2	GWA-2												
3	GWA-2R												
4	GWA-3												
5	GWA-4RZ												
6	GWC-5												
7	GWC-6												
8	GWC-6RZ												
9	GWC-7Z												
10	GWC-8Z												
11	GWC-8RR												
12	GWC-9												

Section G
ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION: **Kevin Stephenson** DATE: **9/16** TIME: **5:00**
ACCEPTED BY / AFFILIATION: **Cindy Mardis** DATE: **9/18** TIME: **11:20**

Signature of Relinquisher: **[Handwritten Signature]**
Signature of Sampler: **[Handwritten Signature]**

DATE Signed (MM/DD/YY): **9/16/20**

Temp in °C: _____
Received on Ice (Y/N): _____
Custody Sealed Cooler (Y/N): _____
Samples Intact (Y/N): _____

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to this charge of 1.5% per month for any invoices not paid within 30 days.
F-ALL-Q-020rev.07, 15-Feb-2007



The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Client Name: GA Power
 Address: 1003 Weatherstone Parkway
 City: Woodstock, Ga 30188
 Phone: (678)5489415
 Fax: [Blank]
 Email: Kevin.Stephenson@Resoluteenv.com
 Project Name: Plant Bowen Land Fill
 Project Number: [Blank]

Section B
 Required Project Information:
 Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Purchase Order No.: [Blank]

Section C
 Invoice Information:
 Attention: Southern Co.
 Company Name: [Blank]
 Address: [Blank]
 Pico Order Reference: Kevin Herring
 Pico Project Manager: Kevin Herring
 Pico Profile #: 2928

Page: 2 of 3

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER CCR
 Site Location: GA
 STATE: GA

#	Section D Required Client Information	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH	SAMPLE CONDITIONS
				DATE	TIME	DATE			TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃					
1	GWC-10																			
2	GWC-10R																			
3	GWC-11																			
4	GWC-11R																			
5	GWC-12																			
6	GWC-13																			
7	GWC-13RZ																			
8	GWC-14Z																			
9	GWC-15Z																			
10	GWC-15R																			
11	GWA-50																			
12	GWA-50R																			

Additional Comments: Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, U, V, Zn, Co

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Kevin Stephenson	7/16	5:00	Cindy Mardis	7/16	5:00
Cindy Mardis	7/18	11:20	T E Lrod	7-18	10:20
T E Lrod	7-18	1300			

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Veronica E. Will Leaker
 SIGNATURE of SAMPLER: Veronica E. Will Leaker
 DATE Signed (MM/DD/YY): 9/16/20
 PRINT Name of SAMPLER: Kevin Stephenson
 SIGNATURE of SAMPLER: Kevin Stephenson
 DATE Signed (MM/DD/YY): 9/16/20

Temp in °C
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

67245570
 Pace Project No./ Lab I.D.

Section A
 Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188
 Contact: Kevin, Stephenson@Resoluteenv.com
 Phone: (678)5489415
 Fax: [Blank]
 Requested Due Date/TAT: 10 Day

Section B
 Required Project Information:
 Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Purchase Order No.: [Blank]
 Project Name: Plant Bowen Land Fill
 Project Number: [Blank]

Section C
 Invoice Information:
 Attention: Southern Co.
 Company Name: [Blank]
 Address: [Blank]
 Price Quote Reference: Kevin Herring
 Manager: [Blank]
 Price Profile #: 2928

REGULATORY AGENCY
 NPDES GROUND WATER
 UST RCRA OTHER DRINKING WATER
 Site Location: GA
 STATE: GA

ITEM #	Section D Required Client Information	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
				DATE	TIME			DATE	TIME	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃			
1	DUP-1	WT	G	9/16/20			3										
2	DUP-2																
3	DUP-3																
4	FBL 061620			9/16/20	16:54		2										
5	FBL																
6	FBL																
7	EQBL 091620			9/16/20	16:56		2										
8	EQBL																
9	EQBL																
0	EQBL																

REIMBURSED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Kevin Stephenson	9/16	5:00	Cindy Murda	9/16	5:00	
Cindy Murda	9/18	11:20	T E Rod	9-18	10:20	
T E Rod	9-18	13:00				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Veronica Fay, Will Latta, Kevin Stephenson
 SIGNATURE OF SAMPLER: Veronica Fay

DATE Signed (MM/DD/YYYY): 9/16/20

Temp in °C: [Blank]
 Received on Ice (Y/N): [Blank]
 Custody Sealed Cooler (Y/N): [Blank]
 Samples Intact (Y/N): [Blank]



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188
Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn
Section C Invoice Information: Attention: Southern Co. Company Name: Address: Face Order Reference: Kevin Herring Face Project Manager: Price Profile #: 2928

Project Name: Plant Bowen Land Fill
 Project Number:
 Requested Date/Time: 10 Day
 Requested Analysis Filtered (Y/N)
 REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location STATE: GA

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE	Matrix DRINKING WATER DW WATER WTW WASTE WATER P PRODUCT OIL WWP SOLUSOLID AS OT OIL TS WIRE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
			DATE	TIME							
1	GWX-1					Unpreserved		Cl, F, SO4			
2	GWX-2					H2SO4		Metals 6020/7470 App. III			
3	GWX-2R					HNO3		TDS			
4	GWX-3					HCl		State Metals			
5	GWA-4RZ		9/17/20	1515	3	NaOH					PH 7.42
6	GWX-5					Na2S2O3					PH 7.05
7	GWX-6					Methanol					PH 7.96
8	GWX-6RZ					Other					PH 6.39
9	GWX-7Z										
10	GWX-8Z		9/17/20	1053	3						
11	GWX-8RR		9/17/20	1303	3						
12	GWX-9		9/17/20	1453	3						

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS	
DATE	TIME	DATE	TIME	DATE	TIME	PH	COND
9/17	5:00	9/17	5:00	9/17	5:00		
9/18	11:20	9/18	1300	9/18	11:20		
9/18	1300	9/18/20	1300	9/18/20	1300		

Temp in °C: 3.0
 Received on Ice (Y/N):
 Custody Sealed Cooler (Y/N):
 Samples Intact (Y/N):

PRINT Name of SAMPLER: Will Leaver
 SIGNATURE of SAMPLER: [Signature]
 DATE Assigned (MM/DD/YY): 9/17/20

PRINT Name of SAMPLER: Kevin Stephenson
 SIGNATURE of SAMPLER: [Signature]
 DATE Assigned (MM/DD/YY): 9/17/20

Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information

Client Name: GA Power
Address: 1003 Weatherstone Parkway, Woodstock, Ga 30188
Contact: Kevin, Stephenson@Resoluteenv.com
Project Name: Plant Bowen Land Fill
Company Name: Southern Co.
Address: [Blank]
Reference: Kevin Herring
Site Location: [Blank]
State: GA

Section D Required Client Information	Matrix Drinking Water Waste Water Product SOL/SOLID OIL WIPE AIR	Matrix Code (see valid codes to left)	Sample Type (G=GRAB C=COMP)	Collected		Sample Temp at Collection	# of Containers	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Face Project No./ Lab I.D.
				DATE	TIME			H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				
DUP-1							3										
DUP-2							2										
DUP-3							1										
FBL 091720		WTG	WTG	9/17/20	1406		3										019
FBL							2										
FBL							1										
EQBL																	
EQBL																	
EQBL																	

Relinquished By/Affiliation	Date	Time	Accepted By/Affiliation	Date	Time	Sample Conditions
<i>Kevin Stephenson</i>	9/17	5:00	<i>Cindy Mardin</i>	9/17	5:00	
<i>Cindy Mardin</i>	9/18	11:20	<i>Terrell</i>	9-18	1120	
<i>Terrell</i>	9-18	1300	<i>Charles Frank</i>	9/18/20	1300	

ADDITIONAL COMMENTS: Metals include Sr, As, Ba, Bi, Br, Cd, Cr, Co, Cu, Pb, Ni, Se, V, Zn, Co

SAMPLER NAME AND SIGNATURE:
 PRINT Name of SAMPLER: Will Lacey, Veronica Eng, Kevin Stephenson
 SIGNATURE of SAMPLER: *Terrell*
 DATE signed (MM/DD/YY): 9/17/20

Temp in °C: [Blank]
 Received on Ice (Y/N): [Blank]
 Custody Sealed Cooler (Y/N): [Blank]
 Samples Intact (Y/N): [Blank]



SECTION A
Required Client Information:

Company: GA Power
Address: 1003 Weatherstone Parkway
Woodstock, Ga 30188
Phone: (678) 5489415
Fax: (678) 5489415

Section B
Required Project Information:

Report To: Kevin Stephenson
Copy To: Rhonda Quinn
Purchase Order No.:
Project Name: Plant Bowen Land Fill, Cells 1 & 2
Project Number:

Section C
Invoice Information:

Attention: Southern Co.
Company Name:
Address:
Sales Office:
Reference:
Sales Project Manager:
Kevin Herring
Pace Profile #: 2928

Page: 2 of 3

REGULATORY AGENCY

NPDES GROUND WATE DRINKING WATER
 UST RCRA OTHER CCR

Site Location
STATE: GA

Requested Analysis Filtered (Y/N)

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / .)
Sample IDs MUST BE UNIQUE

MATRIX CODE (see valid codes to left)
SAMPLE TYPE (G=GRAB C=COMP)
DATE
TIME
DATE
TIME

COLLECTED
COMPOSITE

SAMPLE TEMP AT COLLECTION
OF CONTAINERS

Unpreserved
H₂SO₄
HNO₃
HCl
NaOH
Na₂S₂O₃
Methanol
Other

Preservatives
Analysis Test

Cl, F, SO₄
Metals 6020/7470 App. III
TDS
State Metals

Residual Chlorine (Y/N)
Pace Project No./ Lab I.D.
92445470

#	MATRIX	MATRIX CODE	SAMPLE TYPE	DATE	TIME	DATE	TIME	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	Cl, F, SO ₄	Metals 6020/7470 App. III	TDS	State Metals	Requested Analysis Filtered (Y/N)	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)		
1	GWC-10	GWC-10	G	9/21/20	13:20	9/22/20	5:00	3	2	1							X	X	X	X								
2	GWC-10R	GWC-10R	G	9/21/20	13:20	9/22/20	5:00	3	2	1							X	X	X	X								
3	GWC-11	GWC-11	G	9/21/20	10:58	9/22/20	10:20	3	2	1							X	X	X	X								
4	GWC-11R	GWC-11R	G	9/21/20	10:58	9/22/20	10:20	3	2	1							X	X	X	X								
5	GWC-12	GWC-12	G	9/21/20	12:58	9/22/20	11:56	3	2	1							X	X	X	X								
6	GWC-13	GWC-13																										
7	GWC-13RZ	GWC-13RZ																										
8	GWC-14Z	GWC-14Z																										
9	GWC-15Z	GWC-15Z																										
0	GWC-15R	GWC-15R																										
1	GWA-50	GWA-50																										
2	GWA-50R	GWA-50R																										

Additional Comments: Metals include SS, As, Ba, Bi, Cd, Ca, Cr, Cu, Pb, Ni, Se, 1, V, Zn, Co

Relinquished by/Affiliation: Kevyn S. Stephens, Cindy Mardis, Iga Williams
Date: 9/21, 9/22, 9/22/20
Time: 5:00, 10:20, 11:15
Accepted by/Affiliation: Iga Williams, Cindy Mardis, Kevyn S. Stephens
Date: 9/22, 9/22/20
Time: 5:00, 10:20, 11:15

Sampler Name and Signature: PRINT Name of Sampler: Veronica E. W. Williams, Jr. Date Signed: 9/21/20
Signature of Sampler: Veronica E. W. Williams, Jr. Date Signed (MM/DD/YYYY): 9/21/20

Temp in °C: Received on Ice (Y/N): Custody Sealed Cooler (Y/N): Samples Intact (Y/N)



The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Client Information:

Company: GA Power
Address: 1003 Weatherstone Parkway
City: Woodstock, Ga 30188

Section B
Required Project Information:

Report To: Kevin Stephenson
Copy To: Rhonda Quinn

Section C
Invoice Information:

Attention: Southern Co.
Company Name:
Address:
Phone Order Reference: Kevin Herring
Purchase Order No.:
Project Name: Plant Bowen Land Fill, Cells 1 & 2
Project Number:
Pace Profile #: 2928

Page: 3 of 3

Requested Client Information

Section D

Matrix Code (see valid codes to left)

Sample Type (G=GRAB C=COMP)

DATE TIME

COLLECTED

COMPOSITE

SAMPLE TEMP AT COLLECTION

OF CONTAINERS

Unpreserved

H₂SO₄

HNO₃

HCl

NaOH

Na₂S₂O₃

Methanol

Other

Analysis Test

Y/N

Requested Analysis Filtered (Y/N)

Residual Chlorine (Y/N)

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location

STATE: GA

ITEM #	REQUIRED CLIENT INFORMATION	MATRIX	MATRIX CODE	SAMPLE TYPE	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	UNPRESERVED	PRESERVATIVES	ANALYSIS TEST	Y/N	REQUESTED ANALYSIS FILTERED (Y/N)	RESIDUAL CHLORINE (Y/N)	RECEIVED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
1	DUP-1	DRINKING WATER																					
2	DUP-2	WASTE WATER																					
3	DUP-3	WASTE WATER																					
4	FBL 092120	WASTE WATER																					
5	FBL	WASTE WATER																					
6	FBL	WASTE WATER																					
7	EQBL	WASTE WATER																					
8	EQBL	WASTE WATER																					
9	EQBL	WASTE WATER																					
10	EQBL	WASTE WATER																					
11																							
12																							

Additional Comments

Relinquished by / Affiliation

DATE

TIME

Accepted by / Affiliation

DATE

TIME

Temp in °C

Received on Ice (Y/N)

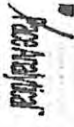
Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

Print Name of Sampler: Veronica Ewing, Will Lakey, Joe Beatty, Kevin Stephenson

Signature of Sampler: Veronica Ewing

DATE SIGNED (MM/DD/YYYY): 7/21/20



The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Client Information:

Company: GA Power
Address: 1003 Weatherstone Parkway
Woodstock, Ga 30188
Phone: (678)5489415
Fax: [blank]
Requested Date/TAT: 10 Day

Section B
Required Project Information:

Report To: Kevin Stephenson
Copy To: Rhonda Quinn
Purchase Order No.: [blank]
Project Name: Plant Bowen Land Fill
Project Number: [blank]

Section C
Invoice Information:

Attention: Southern Co.
Company Name: Southern Co.
Address: [blank]
Purchase Order Reference: Kevin Herring
Purchase Order Manager: Kevin Herring
Purchase Order #: 2928

Page: 2 of 3

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location
STATE: GA

Requested Analysis Filtered (Y/N)

Residual Chlorine (Y/N)

Pace Project No./ Lab I.D.
CQ2445470

ITEM #	Section D Required Client Information	MATRIX	COLLECTED		DATE	TIME	# OF CONTAINERS	Preservatives							Analysis Test	Y/N	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
			DRINKING WATER	WASTE WATER				DATE	TIME	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃						
1	GWC-10	DRINKING WATER					3													
2	GWC-10R	WASTE WATER					2													
3	GWC-41	PRODUCT					1													
4	GWC-41R	WASTE WATER					1													
5	GWC-42	WASTE WATER					1													
6	GWC-13	WASTE WATER					1													
7	GWC-13RZ	WASTE WATER					1													
8	GWC-14Z	WASTE WATER					1													
9	GWC-16Z	WASTE WATER					1													
10	GWC-16R	WASTE WATER					1													
11	GWA-56	WASTE WATER					1													
12	GWA-56R	WASTE WATER					1													

Additional Comments: William Locker / Resolute 9/22 5:00 Cindy Marks 9/23 10:30
 Relinquished By / Affiliation: Cindy Marks 9/23 10:30
 Accepted By / Affiliation: Rhonda Hanks 9/23/20 1331 4:33

Sampler Name and Signature: Will Locker Kevin Stephenson
 Print Name of Sampler: Will Locker Kevin Stephenson
 Signature of Sampler: [Signature] DATE Signed: 9/22/20

Section A
Client Information:

Company: GA Power
Address: 1003 Weatherstone Parkway
Woodstock, Ga 30188

Section B
Required Project Information:

Report To: Kevin Stephenson
Copy To: Rhonda Quinn

Section C
Invoice Information:

Attention: Southern Co.
Company Name: Southern Co.
Address: P.O. Box 1000
Reference: Plant Bowen Land Fill
Price Project Manager: Kevin Herring
Price Profile #: 2928

Page: 3 of 3

Call To: Kevin.Stephenson@resoluteenv.com
Purchase Order No.:
Fax: (678)5489415
Project Name: Plant Bowen Land Fill
Project Number:
Requested Due Date/TAT: 10 Day

Requested Analysis Filtered (Y/N)
NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER OOR

REGULATORY AGENCY
Site Location: GA
STATE: GA

ITEM #	Section D Required Client Information	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
				DATE	TIME	DATE			TIME	DATE	TIME	DATE	TIME	DATE			
1	SAMPLE ID (A-Z, 0-9, /, -) Sample IDs MUST BE UNIQUE																
2	DUP-1																
3	DUP-2																
4	DUP-3																
5	FBL 092220	WT G	9/22/20	1106			3	2	1					X	X	X	X
6	FBL																
7	EG9L																
8	EG9L																
9	EG9L																
10																	
11																	
12																	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
William Laber / Resolute	9/22	5:00	Cindy Mardis	9/22	5:00	
Cindy Mardis	9/23	10:38	Charles Pace	9/23	10:34	
Charles Pace	9/23	13:31	Charles Pace	9/23	13:31	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Will Laber Kevin Stephensen
DATE Signed (MM/DD/YYYY): 9/22/20

SIGNATURE OF SAMPLER: *[Signature]*

Temp in °C: _____
Received on Ice (Y/N): _____
Custody Sealed Cooler (Y/N): _____
Samples Intact (Y/N): _____

November 03, 2020

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 04, 2020 and September 16, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tyler Forney for
Kevin Herring
kevin.herring@pacelabs.com
1(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Michelle Barker, WOOD E&I
Kristen Jurinko
Ms. Lauren Petty, Southern Co. Services
Rhonda Quinn, WOOD E&I
Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92495876001	GWA-36R	Water	09/14/20 12:44	09/16/20 09:25
92494171001	GWC-20R	Water	09/04/20 13:16	09/04/20 16:00
92494171002	GWC-25R	Water	09/04/20 12:48	09/04/20 16:00
92494171003	GWA-55	Water	09/04/20 10:36	09/04/20 16:00
92494171004	GWA-55R	Water	09/04/20 11:33	09/04/20 16:00
92494171005	GWA-56	Water	09/04/20 11:15	09/04/20 16:00
92494171006	FBL090420	Water	09/04/20 13:40	09/04/20 16:00
92494171007	GWA-36	Water	09/03/20 13:18	09/04/20 11:20
92494171008	GWA-37	Water	09/03/20 15:40	09/04/20 11:20
92494171009	GWA-38	Water	09/03/20 14:58	09/04/20 11:20
92494171010	GWA-52	Water	09/03/20 15:40	09/04/20 11:20
92494171011	DUP-1	Water	09/03/20 00:00	09/04/20 11:20
92494171012	FBL090320	Water	09/03/20 16:10	09/04/20 11:20
92494171013	GWC-21R	Water	09/08/20 15:15	09/09/20 10:30
92494171014	GWC-22R	Water	09/08/20 13:12	09/09/20 10:30
92494171015	GWA-53	Water	09/08/20 11:44	09/09/20 10:30
92494171016	GWA-53R	Water	09/08/20 13:03	09/09/20 10:30
92494171017	GWA-54	Water	09/08/20 12:38	09/09/20 10:30
92494171018	DUP-2	Water	09/08/20 00:00	09/09/20 10:30
92494171019	FBL090820	Water	09/08/20 16:15	09/09/20 10:30
92494171020	EQBL090820	Water	09/08/20 16:20	09/09/20 10:30
92494171021	GWC-16R	Water	09/09/20 11:18	09/11/20 11:20
92494171022	GWC-17R	Water	09/09/20 10:46	09/11/20 11:20
92494171023	GWC-18	Water	09/09/20 14:39	09/11/20 11:20
92494171024	GWC-18R	Water	09/09/20 13:10	09/11/20 11:20
92494171025	GWC-19R	Water	09/09/20 13:45	09/11/20 11:20
92494171026	GWC-23R	Water	09/09/20 10:21	09/11/20 11:20
92494171027	GWC-24R	Water	09/09/20 11:15	09/11/20 11:20
92494171028	GWA-51RZ	Water	09/09/20 09:55	09/11/20 11:20
92494171029	DUP-3	Water	09/09/20 00:00	09/11/20 11:20
92494171030	FBL090920	Water	09/09/20 15:35	09/11/20 11:20
92494171031	EQBL090920	Water	09/09/20 15:40	09/11/20 11:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92495876001	GWA-36R	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171001	GWC-20R	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171002	GWC-25R	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171003	GWA-55	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171004	GWA-55R	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171005	GWA-56	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171006	FBL090420	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171007	GWA-36	EPA 6010D	DRB	2
		EPA 6020B	CW1	15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92494171008	GWA-37	EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92494171009	GWA-38	SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171010	GWA-52	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171011	DUP-1	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
92494171012	FBL090320	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
92494171013	GWC-21R	EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92494171014	GWC-22R	SM 2450C-2011	AW1	1
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92494171015	GWA-53	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171016	GWA-53R	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171017	GWA-54	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171018	DUP-2	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171019	FBL090820	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171020	EQBL090820	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171021	GWC-16R	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	ALW	1
92494171022	GWC-17R	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92494171023	GWC-18	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
92494171024	GWC-18R	EPA 7470A	VB	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92494171025	GWC-19R	SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	ALW	1
92494171026	GWC-23R	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92494171027	GWC-24R	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
92494171028	GWA-51RZ	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
92494171029	DUP-3	EPA 7470A	VB	1
		EPA 6010D	KH	2
		EPA 6020B	CW1	15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92494171030	FBL090920	SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92494171031	EQBL090920	SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495876001	GWA-36R					
	pH	7.10	Std. Units		09/17/20 08:06	
EPA 6010D	Calcium	32.4	mg/L	1.0	09/17/20 23:09	
EPA 6010D	Zinc	0.053	mg/L	0.020	09/17/20 23:09	
EPA 6020B	Barium	0.030	mg/L	0.010	09/23/20 18:44	
EPA 6020B	Beryllium	0.00012J	mg/L	0.0030	09/23/20 18:44	
EPA 6020B	Boron	0.0065J	mg/L	0.10	09/23/20 18:44	
EPA 6020B	Cadmium	0.00016J	mg/L	0.0025	09/23/20 18:44	
EPA 6020B	Lead	0.00065J	mg/L	0.0050	09/23/20 18:44	
SM 2450C-2011	Total Dissolved Solids	156	mg/L	10.0	09/17/20 15:25	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	09/17/20 22:03	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	09/17/20 22:03	
92494171001	GWC-20R					
	pH	7.57	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	40.2	mg/L	1.0	09/08/20 22:19	
EPA 6020B	Barium	0.033	mg/L	0.010	09/09/20 18:19	
EPA 6020B	Chromium	0.00078J	mg/L	0.010	09/09/20 18:19	
SM 2450C-2011	Total Dissolved Solids	212	mg/L	10.0	09/10/20 18:17	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	09/09/20 02:47	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	09/09/20 02:47	
92494171002	GWC-25R					
	pH	7.62	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	36.6	mg/L	1.0	09/08/20 22:23	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	09/09/20 18:42	
EPA 6020B	Barium	0.016	mg/L	0.010	09/09/20 18:42	
EPA 6020B	Chromium	0.00073J	mg/L	0.010	09/09/20 18:42	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	09/09/20 18:42	
EPA 6020B	Lead	0.00012J	mg/L	0.0050	09/09/20 18:42	
SM 2450C-2011	Total Dissolved Solids	172	mg/L	10.0	09/10/20 18:17	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	09/09/20 03:20	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	09/09/20 03:20	
92494171003	GWA-55					
	pH	7.24	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	47.2	mg/L	1.0	09/08/20 22:28	
EPA 6020B	Antimony	0.00065J	mg/L	0.0030	09/09/20 18:47	
EPA 6020B	Barium	0.022	mg/L	0.010	09/09/20 18:47	
EPA 6020B	Boron	0.0053J	mg/L	0.10	09/09/20 18:47	
EPA 6020B	Chromium	0.0012J	mg/L	0.010	09/09/20 18:47	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	09/09/20 18:47	
EPA 6020B	Lead	0.00010J	mg/L	0.0050	09/09/20 18:47	
SM 2450C-2011	Total Dissolved Solids	226	mg/L	10.0	09/10/20 18:17	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	09/09/20 04:14	
EPA 300.0 Rev 2.1 1993	Sulfate	20.4	mg/L	1.0	09/09/20 04:14	
92494171004	GWA-55R					
	pH	7.64	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	34.4	mg/L	1.0	09/08/20 22:32	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92494171004	GWA-55R					
EPA 6020B	Barium	0.032	mg/L	0.010	09/09/20 18:53	
SM 2450C-2011	Total Dissolved Solids	180	mg/L	10.0	09/10/20 18:18	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	09/09/20 04:28	
EPA 300.0 Rev 2.1 1993	Sulfate	16.1	mg/L	1.0	09/09/20 04:28	
92494171005	GWA-56					
	pH	7.82	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	34.5	mg/L	1.0	09/08/20 22:45	
EPA 6020B	Barium	0.033	mg/L	0.010	09/09/20 18:59	
EPA 6020B	Boron	0.015J	mg/L	0.10	09/09/20 18:59	
EPA 6020B	Chromium	0.0012J	mg/L	0.010	09/09/20 18:59	
SM 2450C-2011	Total Dissolved Solids	267	mg/L	10.0	09/10/20 18:18	
EPA 300.0 Rev 2.1 1993	Chloride	4.1	mg/L	1.0	09/09/20 04:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.086J	mg/L	0.30	09/09/20 04:41	
EPA 300.0 Rev 2.1 1993	Sulfate	54.9	mg/L	1.0	09/09/20 04:41	
92494171006	FBL090420					
EPA 6020B	Barium	0.00087J	mg/L	0.010	09/09/20 19:16	
SM 2450C-2011	Total Dissolved Solids	11.0	mg/L	10.0	09/10/20 18:18	
92494171007	GWA-36					
	pH	6.81	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	15.7	mg/L	1.0	09/08/20 22:53	
EPA 6010D	Zinc	0.35	mg/L	0.020	09/08/20 22:53	
EPA 6020B	Antimony	0.00094J	mg/L	0.0030	09/09/20 19:22	
EPA 6020B	Barium	0.014	mg/L	0.010	09/09/20 19:22	
EPA 6020B	Beryllium	0.00020J	mg/L	0.0030	09/09/20 19:22	
EPA 6020B	Cadmium	0.00089J	mg/L	0.0025	09/09/20 19:22	
EPA 6020B	Lead	0.00012J	mg/L	0.0050	09/09/20 19:22	
SM 2450C-2011	Total Dissolved Solids	90.0	mg/L	10.0	09/09/20 17:14	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	09/09/20 04:55	
EPA 300.0 Rev 2.1 1993	Sulfate	0.65J	mg/L	1.0	09/09/20 04:55	
92494171008	GWA-37					
	pH	5.17	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	0.73J	mg/L	1.0	09/08/20 22:58	
EPA 6010D	Zinc	0.0049J	mg/L	0.020	09/08/20 22:58	
EPA 6020B	Antimony	0.0012J	mg/L	0.0030	09/09/20 19:27	
EPA 6020B	Barium	0.0045J	mg/L	0.010	09/09/20 19:27	
EPA 6020B	Copper	0.0067J	mg/L	0.025	09/09/20 19:27	
EPA 6020B	Nickel	0.0096J	mg/L	0.010	09/09/20 19:27	
SM 2450C-2011	Total Dissolved Solids	25.0	mg/L	10.0	09/09/20 17:15	
EPA 300.0 Rev 2.1 1993	Chloride	0.82J	mg/L	1.0	09/09/20 05:08	
92494171009	GWA-38					
	pH	5.32	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	1.0	mg/L	1.0	09/08/20 23:02	
EPA 6020B	Barium	0.011	mg/L	0.010	09/09/20 19:33	
EPA 6020B	Chromium	0.0013J	mg/L	0.010	09/09/20 19:33	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92494171009	GWA-38					
EPA 6020B	Cobalt	0.00091J	mg/L	0.0050	09/09/20 19:33	
EPA 6020B	Nickel	0.00089J	mg/L	0.010	09/09/20 19:33	
SM 2450C-2011	Total Dissolved Solids	21.0	mg/L	10.0	09/09/20 17:14	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	09/09/20 05:22	
EPA 300.0 Rev 2.1 1993	Sulfate	0.58J	mg/L	1.0	09/09/20 05:22	
92494171010	GWA-52					
	Performed by	CUSTOME			11/03/20 08:50	
		R				
	pH	7.60	Std. Units		11/03/20 08:50	
EPA 6010D	Calcium	28.9	mg/L	1.0	09/08/20 23:06	
EPA 6020B	Barium	0.017	mg/L	0.010	09/09/20 19:39	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	09/09/20 19:39	
SM 2450C-2011	Total Dissolved Solids	132	mg/L	10.0	09/09/20 17:15	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	09/09/20 05:35	
EPA 300.0 Rev 2.1 1993	Sulfate	3.5	mg/L	1.0	09/09/20 05:35	
92494171011	DUP-1					
EPA 6010D	Calcium	1.0	mg/L	1.0	09/08/20 23:10	
EPA 6020B	Barium	0.011	mg/L	0.010	09/09/20 19:45	
EPA 6020B	Chromium	0.0013J	mg/L	0.010	09/09/20 19:45	
EPA 6020B	Cobalt	0.00097J	mg/L	0.0050	09/09/20 19:45	
EPA 6020B	Nickel	0.00088J	mg/L	0.010	09/09/20 19:45	
SM 2450C-2011	Total Dissolved Solids	20.0	mg/L	10.0	09/09/20 17:45	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	09/09/20 06:16	
EPA 300.0 Rev 2.1 1993	Sulfate	0.63J	mg/L	1.0	09/09/20 06:16	
92494171013	GWC-21R					
	pH	7.07	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	61.9	mg/L	1.0	09/10/20 18:12	M1
EPA 6010D	Zinc	0.0063J	mg/L	0.020	09/10/20 18:12	
EPA 6020B	Antimony	0.0041	mg/L	0.0030	09/10/20 14:49	
EPA 6020B	Arsenic	0.0023J	mg/L	0.0050	09/10/20 14:49	
EPA 6020B	Barium	0.015	mg/L	0.010	09/10/20 14:49	
EPA 6020B	Boron	0.014J	mg/L	0.10	09/14/20 14:09	
EPA 6020B	Chromium	0.0013J	mg/L	0.010	09/10/20 14:49	
EPA 6020B	Lead	0.000067J	mg/L	0.0050	09/10/20 14:49	
EPA 6020B	Nickel	0.0014J	mg/L	0.010	09/10/20 14:49	
SM 2450C-2011	Total Dissolved Solids	297	mg/L	10.0	09/10/20 18:19	
EPA 300.0 Rev 2.1 1993	Chloride	4.1	mg/L	1.0	09/10/20 19:31	
EPA 300.0 Rev 2.1 1993	Sulfate	9.6	mg/L	1.0	09/10/20 19:31	
92494171014	GWC-22R					
	pH	7.19	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	34.7	mg/L	1.0	09/10/20 18:37	
EPA 6010D	Zinc	0.0037J	mg/L	0.020	09/10/20 18:37	
EPA 6020B	Arsenic	0.0025J	mg/L	0.0050	09/15/20 15:10	
EPA 6020B	Barium	0.054	mg/L	0.010	09/15/20 15:10	
EPA 6020B	Boron	0.0084J	mg/L	0.10	09/15/20 15:10	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92494171014	GWC-22R					
EPA 6020B	Cobalt	0.00087J	mg/L	0.0050	09/15/20 15:10	
EPA 6020B	Nickel	0.00083J	mg/L	0.010	09/15/20 15:10	
EPA 6020B	Thallium	0.00016J	mg/L	0.0010	09/15/20 15:10	
SM 2450C-2011	Total Dissolved Solids	157	mg/L	10.0	09/10/20 18:19	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	09/10/20 19:44	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	09/10/20 19:44	
92494171015	GWA-53					
	pH	7.67	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	28.5	mg/L	1.0	09/10/20 18:42	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	09/15/20 15:33	
EPA 6020B	Barium	0.012	mg/L	0.010	09/15/20 15:33	
EPA 6020B	Beryllium	0.000055J	mg/L	0.0030	09/15/20 15:33	
EPA 6020B	Boron	0.0072J	mg/L	0.10	09/15/20 15:33	
EPA 6020B	Lead	0.00012J	mg/L	0.0050	09/15/20 15:33	
SM 2450C-2011	Total Dissolved Solids	138	mg/L	10.0	09/10/20 18:19	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	09/10/20 20:25	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	09/10/20 20:25	
92494171016	GWA-53R					
	pH	7.68	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	29.4	mg/L	1.0	09/10/20 18:46	
EPA 6020B	Antimony	0.00078J	mg/L	0.0030	09/15/20 15:38	
EPA 6020B	Barium	0.013	mg/L	0.010	09/15/20 15:38	
EPA 6020B	Lead	0.00060J	mg/L	0.0050	09/15/20 15:38	
SM 2450C-2011	Total Dissolved Solids	124	mg/L	10.0	09/10/20 18:19	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	09/10/20 20:39	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	09/10/20 20:39	
92494171017	GWA-54					
	pH	7.56	Std. Units		09/10/20 08:26	
EPA 6010D	Calcium	24.5	mg/L	1.0	09/10/20 18:50	
EPA 6020B	Barium	0.035	mg/L	0.010	09/15/20 15:44	
EPA 6020B	Chromium	0.0014J	mg/L	0.010	09/15/20 15:44	
SM 2450C-2011	Total Dissolved Solids	116	mg/L	10.0	09/10/20 18:20	
EPA 300.0 Rev 2.1 1993	Chloride	0.80J	mg/L	1.0	09/10/20 20:52	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	09/10/20 20:52	
92494171018	DUP-2					
EPA 6010D	Calcium	30.2	mg/L	1.0	09/10/20 18:54	
EPA 6020B	Antimony	0.00056J	mg/L	0.0030	09/15/20 15:50	
EPA 6020B	Barium	0.013	mg/L	0.010	09/15/20 15:50	
SM 2450C-2011	Total Dissolved Solids	140	mg/L	10.0	09/10/20 18:20	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	09/10/20 21:05	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	09/10/20 21:05	
92494171019	FBL090820					
EPA 6020B	Lead	0.000039J	mg/L	0.0050	09/15/20 16:14	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92494171021	GWC-16R					
	pH	7.08	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	57.1	mg/L	1.0	09/14/20 20:31	
EPA 6010D	Zinc	0.037	mg/L	0.020	09/14/20 20:31	
EPA 6020B	Antimony	0.015	mg/L	0.0030	09/15/20 16:54	
EPA 6020B	Arsenic	0.0011J	mg/L	0.0050	09/15/20 16:54	
EPA 6020B	Barium	0.051	mg/L	0.010	09/15/20 16:54	
EPA 6020B	Boron	0.012J	mg/L	0.10	09/15/20 16:54	
EPA 6020B	Chromium	0.00056J	mg/L	0.010	09/15/20 16:54	
EPA 6020B	Cobalt	0.00069J	mg/L	0.0050	09/15/20 16:54	
EPA 6020B	Lead	0.00017J	mg/L	0.0050	09/15/20 16:54	
EPA 6020B	Nickel	0.0067J	mg/L	0.010	09/15/20 16:54	
SM 2450C-2011	Total Dissolved Solids	297	mg/L	10.0	09/14/20 11:02	
EPA 300.0 Rev 2.1 1993	Chloride	1.0J	mg/L	1.0	09/13/20 00:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17J	mg/L	0.30	09/13/20 00:15	
EPA 300.0 Rev 2.1 1993	Sulfate	2.8	mg/L	1.0	09/13/20 00:15	
92494171022	GWC-17R					
	pH	7.24	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	63.2	mg/L	1.0	09/15/20 17:15	M1
EPA 6020B	Barium	0.018	mg/L	0.010	09/15/20 16:59	
SM 2450C-2011	Total Dissolved Solids	285	mg/L	10.0	09/14/20 11:02	
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	09/13/20 00:30	
EPA 300.0 Rev 2.1 1993	Sulfate	5.6	mg/L	1.0	09/13/20 00:30	
92494171023	GWC-18					
	pH	6.63	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	15.3	mg/L	1.0	09/15/20 18:09	
EPA 6020B	Barium	0.016	mg/L	0.010	09/15/20 17:05	
EPA 6020B	Chromium	0.0010J	mg/L	0.010	09/15/20 17:05	
EPA 6020B	Lead	0.000060J	mg/L	0.0050	09/15/20 17:05	
SM 2450C-2011	Total Dissolved Solids	88.0	mg/L	10.0	09/14/20 11:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	09/13/20 00:45	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	09/13/20 00:45	
92494171024	GWC-18R					
	pH	7.81	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	28.5	mg/L	1.0	09/15/20 18:13	
EPA 6020B	Barium	0.014	mg/L	0.010	09/15/20 18:14	
EPA 6020B	Beryllium	0.00020J	mg/L	0.0030	09/15/20 18:14	
EPA 6020B	Lead	0.00025J	mg/L	0.0050	09/15/20 18:14	
SM 2450C-2011	Total Dissolved Solids	120	mg/L	10.0	09/14/20 11:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	09/13/20 01:00	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	09/13/20 01:00	
92494171025	GWC-19R					
	pH	7.67	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	30.5	mg/L	1.0	09/15/20 18:18	
EPA 6020B	Barium	0.014	mg/L	0.010	09/15/20 18:20	
SM 2450C-2011	Total Dissolved Solids	152	mg/L	10.0	09/14/20 11:03	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92494171025	GWC-19R					
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	09/15/20 12:42	
EPA 300.0 Rev 2.1 1993	Sulfate	3.4	mg/L	1.0	09/15/20 12:42	
92494171026	GWC-23R					
	pH	7.12	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	57.6	mg/L	1.0	09/15/20 18:22	
EPA 6020B	Barium	0.036	mg/L	0.010	09/15/20 18:25	
EPA 6020B	Selenium	0.0017J	mg/L	0.010	09/15/20 18:25	
EPA 6020B	Thallium	0.00016J	mg/L	0.0010	09/15/20 18:25	
SM 2450C-2011	Total Dissolved Solids	501	mg/L	10.0	09/14/20 11:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	09/15/20 13:27	
EPA 300.0 Rev 2.1 1993	Sulfate	124	mg/L	3.0	09/16/20 00:22	
92494171027	GWC-24R					
	pH	7.22	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	31.5	mg/L	1.0	09/15/20 18:26	
EPA 6010D	Zinc	0.0048J	mg/L	0.020	09/15/20 18:26	
EPA 6020B	Antimony	0.00094J	mg/L	0.0030	09/15/20 18:31	
EPA 6020B	Barium	0.024	mg/L	0.010	09/15/20 18:31	
EPA 6020B	Copper	0.0017J	mg/L	0.025	09/15/20 18:31	
EPA 6020B	Lead	0.00010J	mg/L	0.0050	09/15/20 18:31	
SM 2450C-2011	Total Dissolved Solids	155	mg/L	10.0	09/14/20 11:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	09/15/20 13:42	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	09/15/20 13:42	
92494171028	GWA-51RZ					
	pH	7.59	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	44.1	mg/L	1.0	09/15/20 18:30	
EPA 6020B	Antimony	0.00035J	mg/L	0.0030	09/15/20 18:37	
EPA 6020B	Barium	0.017	mg/L	0.010	09/15/20 18:37	
EPA 6020B	Boron	0.0054J	mg/L	0.10	09/15/20 18:37	
EPA 6020B	Copper	0.0019J	mg/L	0.025	09/15/20 18:37	
EPA 6020B	Lead	0.000089J	mg/L	0.0050	09/15/20 18:37	
EPA 6020B	Selenium	0.0059J	mg/L	0.010	09/15/20 18:37	
SM 2450C-2011	Total Dissolved Solids	205	mg/L	10.0	09/14/20 11:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	09/15/20 13:56	
EPA 300.0 Rev 2.1 1993	Sulfate	21.8	mg/L	1.0	09/15/20 13:56	
92494171029	DUP-3					
EPA 6010D	Calcium	31.7	mg/L	1.0	09/15/20 18:35	
EPA 6020B	Barium	0.015	mg/L	0.010	09/17/20 15:32	
SM 2450C-2011	Total Dissolved Solids	165	mg/L	10.0	09/14/20 11:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	09/15/20 15:26	
EPA 300.0 Rev 2.1 1993	Sulfate	3.4	mg/L	1.0	09/15/20 15:26	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-36R		Lab ID: 92495876001		Collected: 09/14/20 12:44		Received: 09/16/20 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.10	Std. Units			1		09/17/20 08:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	32.4	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 23:09	7440-70-2	
Zinc	0.053	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 23:09	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 18:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 18:44	7440-38-2	
Barium	0.030	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 18:44	7440-39-3	
Beryllium	0.00012J	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/23/20 18:44	7440-41-7	
Boron	0.0065J	mg/L	0.10	0.0052	1	09/23/20 13:53	09/23/20 18:44	7440-42-8	
Cadmium	0.00016J	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 18:44	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 18:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 18:44	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 18:44	7440-50-8	
Lead	0.00065J	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 18:44	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 18:44	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 18:44	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 18:44	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 18:44	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 18:44	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 09:20	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	156	mg/L	10.0	10.0	1		09/17/20 15:25		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.9	mg/L	1.0	0.60	1		09/17/20 22:03	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 22:03	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		09/17/20 22:03	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-20R		Lab ID: 92494171001		Collected: 09/04/20 13:16		Received: 09/04/20 16:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.57	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	40.2	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 22:19	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 22:19	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 18:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 18:19	7440-38-2	
Barium	0.033	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 18:19	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 18:19	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 18:19	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 18:19	7440-43-9	
Chromium	0.00078J	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 18:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 18:19	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 18:19	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 18:19	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 18:19	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 18:19	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 18:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 18:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 18:19	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:14	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	212	mg/L	10.0	10.0	1		09/10/20 18:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		09/09/20 02:47	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 02:47	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		09/09/20 02:47	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-25R		Lab ID: 92494171002		Collected: 09/04/20 12:48		Received: 09/04/20 16:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.62	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	36.6	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 22:23	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 22:23	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0013J	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 18:42	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 18:42	7440-38-2	
Barium	0.016	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 18:42	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 18:42	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 18:42	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 18:42	7440-43-9	
Chromium	0.00073J	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 18:42	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 18:42	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 18:42	7440-50-8	
Lead	0.00012J	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 18:42	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 18:42	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 18:42	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 18:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 18:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 18:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:24	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	172	mg/L	10.0	10.0	1		09/10/20 18:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		09/09/20 03:20	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 03:20	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		09/09/20 03:20	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-55 **Lab ID: 92494171003** Collected: 09/04/20 10:36 Received: 09/04/20 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

pH	7.24	Std. Units			1		09/10/20 08:26		
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6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	47.2	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 22:28	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 22:28	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.00065J	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 18:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 18:47	7440-38-2	
Barium	0.022	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 18:47	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 18:47	7440-41-7	
Boron	0.0053J	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 18:47	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 18:47	7440-43-9	
Chromium	0.0012J	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 18:47	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 18:47	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 18:47	7440-50-8	
Lead	0.00010J	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 18:47	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 18:47	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 18:47	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 18:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 18:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 18:47	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:26	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	226	mg/L	10.0	10.0	1		09/10/20 18:17		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.0	mg/L	1.0	0.60	1		09/09/20 04:14	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 04:14	16984-48-8	
Sulfate	20.4	mg/L	1.0	0.50	1		09/09/20 04:14	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-55R		Lab ID: 92494171004		Collected: 09/04/20 11:33		Received: 09/04/20 16:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.64	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	34.4	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 22:32	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 22:32	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 18:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 18:53	7440-38-2	
Barium	0.032	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 18:53	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 18:53	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 18:53	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 18:53	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 18:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 18:53	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 18:53	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 18:53	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 18:53	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 18:53	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 18:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 18:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 18:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	180	mg/L	10.0	10.0	1		09/10/20 18:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		09/09/20 04:28	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 04:28	16984-48-8	
Sulfate	16.1	mg/L	1.0	0.50	1		09/09/20 04:28	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: GWA-56		Lab ID: 92494171005		Collected: 09/04/20 11:15		Received: 09/04/20 16:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.82	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	34.5	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 22:45	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 22:45	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 18:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 18:59	7440-38-2	
Barium	0.033	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 18:59	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 18:59	7440-41-7	
Boron	0.015J	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 18:59	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 18:59	7440-43-9	
Chromium	0.0012J	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 18:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 18:59	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 18:59	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 18:59	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 18:59	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 18:59	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 18:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 18:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 18:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	267	mg/L	10.0	10.0	1		09/10/20 18:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.1	mg/L	1.0	0.60	1		09/09/20 04:41	16887-00-6	
Fluoride	0.086J	mg/L	0.30	0.050	1		09/09/20 04:41	16984-48-8	
Sulfate	54.9	mg/L	1.0	0.50	1		09/09/20 04:41	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: FBL090420		Lab ID: 92494171006		Collected: 09/04/20 13:40	Received: 09/04/20 16:00	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 22:49	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 22:49	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 19:16	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 19:16	7440-38-2		
Barium	0.00087J	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 19:16	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 19:16	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 19:16	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 19:16	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 19:16	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 19:16	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 19:16	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 19:16	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 19:16	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 19:16	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 19:16	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 19:16	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 19:16	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:38	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	11.0	mg/L	10.0	10.0	1		09/10/20 18:18			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/08/20 23:11	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/08/20 23:11	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/08/20 23:11	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-36 **Lab ID: 92494171007** Collected: 09/03/20 13:18 Received: 09/04/20 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

pH	6.81	Std. Units			1		09/10/20 08:26		
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6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	15.7	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 22:53	7440-70-2	
Zinc	0.35	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 22:53	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.00094J	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 19:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 19:22	7440-38-2	
Barium	0.014	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 19:22	7440-39-3	
Beryllium	0.00020J	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 19:22	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 19:22	7440-42-8	
Cadmium	0.00089J	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 19:22	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 19:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 19:22	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 19:22	7440-50-8	
Lead	0.00012J	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 19:22	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 19:22	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 19:22	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 19:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 19:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 19:22	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:40	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	90.0	mg/L	10.0	10.0	1		09/09/20 17:14		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.9	mg/L	1.0	0.60	1		09/09/20 04:55	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 04:55	16984-48-8	
Sulfate	0.65J	mg/L	1.0	0.50	1		09/09/20 04:55	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: GWA-37 **Lab ID: 92494171008** Collected: 09/03/20 15:40 Received: 09/04/20 11:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	5.17	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	0.73J	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 22:58	7440-70-2	
Zinc	0.0049J	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 22:58	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0012J	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 19:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 19:27	7440-38-2	
Barium	0.0045J	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 19:27	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 19:27	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 19:27	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 19:27	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 19:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 19:27	7440-48-4	
Copper	0.0067J	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 19:27	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 19:27	7439-92-1	
Nickel	0.0096J	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 19:27	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 19:27	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 19:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 19:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 19:27	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	25.0	mg/L	10.0	10.0	1		09/09/20 17:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.82J	mg/L	1.0	0.60	1		09/09/20 05:08	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 05:08	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/09/20 05:08	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-38		Lab ID: 92494171009		Collected: 09/03/20 14:58		Received: 09/04/20 11:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	5.32	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	1.0	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 23:02	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 23:02	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 19:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 19:33	7440-38-2	
Barium	0.011	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 19:33	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 19:33	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 19:33	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 19:33	7440-43-9	
Chromium	0.0013J	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 19:33	7440-47-3	
Cobalt	0.00091J	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 19:33	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 19:33	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 19:33	7439-92-1	
Nickel	0.00089J	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 19:33	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 19:33	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 19:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 19:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 19:33	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:45	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	21.0	mg/L	10.0	10.0	1		09/09/20 17:14		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.9	mg/L	1.0	0.60	1		09/09/20 05:22	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 05:22	16984-48-8	
Sulfate	0.58J	mg/L	1.0	0.50	1		09/09/20 05:22	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-52		Lab ID: 92494171010		Collected: 09/03/20 15:40	Received: 09/04/20 11:20	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		11/03/20 08:50		
pH	7.60	Std. Units			1		11/03/20 08:50		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	28.9	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 23:06	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 23:06	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 19:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 19:39	7440-38-2	
Barium	0.017	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 19:39	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 19:39	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 19:39	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 19:39	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 19:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 19:39	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 19:39	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 19:39	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 19:39	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 19:39	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 19:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 19:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 19:39	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:47	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	132	mg/L	10.0	10.0	1		09/09/20 17:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		09/09/20 05:35	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 05:35	16984-48-8	
Sulfate	3.5	mg/L	1.0	0.50	1		09/09/20 05:35	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: DUP-1		Lab ID: 92494171011		Collected: 09/03/20 00:00	Received: 09/04/20 11:20	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	1.0	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 23:10	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 23:10	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 19:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 19:45	7440-38-2	
Barium	0.011	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 19:45	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 19:45	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 19:45	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 19:45	7440-43-9	
Chromium	0.0013J	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 19:45	7440-47-3	
Cobalt	0.00097J	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 19:45	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 19:45	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 19:45	7439-92-1	
Nickel	0.00088J	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 19:45	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 19:45	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 19:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 19:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 19:45	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:50	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	20.0	mg/L	10.0	10.0	1		09/09/20 17:45		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.9	mg/L	1.0	0.60	1		09/09/20 06:16	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/09/20 06:16	16984-48-8	
Sulfate	0.63J	mg/L	1.0	0.50	1		09/09/20 06:16	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: FBL090320		Lab ID: 92494171012		Collected: 09/03/20 16:10	Received: 09/04/20 11:20	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/08/20 13:08	09/08/20 23:15	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/08/20 13:08	09/08/20 23:15	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/08/20 20:13	09/09/20 19:50	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/08/20 20:13	09/09/20 19:50	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/08/20 20:13	09/09/20 19:50	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/08/20 20:13	09/09/20 19:50	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/08/20 20:13	09/09/20 19:50	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/08/20 20:13	09/09/20 19:50	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/08/20 20:13	09/09/20 19:50	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/08/20 20:13	09/09/20 19:50	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/08/20 20:13	09/09/20 19:50	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/08/20 20:13	09/09/20 19:50	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/08/20 20:13	09/09/20 19:50	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/08/20 20:13	09/09/20 19:50	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/08/20 20:13	09/09/20 19:50	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/08/20 20:13	09/09/20 19:50	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/08/20 20:13	09/09/20 19:50	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/08/20 11:15	09/09/20 09:52	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/09/20 17:15			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/08/20 23:25	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/08/20 23:25	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/08/20 23:25	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-21R		Lab ID: 92494171013		Collected: 09/08/20 15:15		Received: 09/09/20 10:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.07	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	61.9	mg/L	1.0	0.070	1	09/09/20 19:00	09/10/20 18:12	7440-70-2	M1
Zinc	0.0063J	mg/L	0.020	0.0035	1	09/09/20 19:00	09/10/20 18:12	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0041	mg/L	0.0030	0.00028	1	09/09/20 19:04	09/10/20 14:49	7440-36-0	
Arsenic	0.0023J	mg/L	0.0050	0.00078	1	09/09/20 19:04	09/10/20 14:49	7440-38-2	
Barium	0.015	mg/L	0.010	0.00071	1	09/09/20 19:04	09/10/20 14:49	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/09/20 19:04	09/10/20 14:49	7440-41-7	
Boron	0.014J	mg/L	0.10	0.0052	1	09/09/20 19:04	09/14/20 14:09	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/09/20 19:04	09/10/20 14:49	7440-43-9	
Chromium	0.0013J	mg/L	0.010	0.00055	1	09/09/20 19:04	09/10/20 14:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/09/20 19:04	09/10/20 14:49	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/09/20 19:04	09/10/20 14:49	7440-50-8	
Lead	0.000067J	mg/L	0.0050	0.000036	1	09/09/20 19:04	09/10/20 14:49	7439-92-1	
Nickel	0.0014J	mg/L	0.010	0.00069	1	09/09/20 19:04	09/10/20 14:49	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/09/20 19:04	09/10/20 14:49	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/09/20 19:04	09/10/20 14:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/09/20 19:04	09/10/20 14:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/09/20 19:04	09/10/20 14:49	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/10/20 13:00	09/11/20 11:53	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	297	mg/L	10.0	10.0	1		09/10/20 18:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.1	mg/L	1.0	0.60	1		09/10/20 19:31	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/10/20 19:31	16984-48-8	
Sulfate	9.6	mg/L	1.0	0.50	1		09/10/20 19:31	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-22R		Lab ID: 92494171014		Collected: 09/08/20 13:12		Received: 09/09/20 10:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.19	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	34.7	mg/L	1.0	0.070	1	09/09/20 19:00	09/10/20 18:37	7440-70-2	
Zinc	0.0037J	mg/L	0.020	0.0035	1	09/09/20 19:00	09/10/20 18:37	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 15:10	7440-36-0	
Arsenic	0.0025J	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 15:10	7440-38-2	
Barium	0.054	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 15:10	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 15:10	7440-41-7	
Boron	0.0084J	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 15:10	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 15:10	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 15:10	7440-47-3	
Cobalt	0.00087J	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 15:10	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 15:10	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 15:10	7439-92-1	
Nickel	0.00083J	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 15:10	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 15:10	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 15:10	7440-22-4	
Thallium	0.00016J	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 15:10	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 15:10	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/10/20 13:00	09/11/20 11:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	157	mg/L	10.0	10.0	1		09/10/20 18:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		09/10/20 19:44	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/10/20 19:44	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		09/10/20 19:44	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: GWA-53		Lab ID: 92494171015		Collected: 09/08/20 11:44		Received: 09/09/20 10:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.67	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	28.5	mg/L	1.0	0.070	1	09/09/20 19:00	09/10/20 18:42	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/09/20 19:00	09/10/20 18:42	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0017J	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 15:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 15:33	7440-38-2	
Barium	0.012	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 15:33	7440-39-3	
Beryllium	0.000055J	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 15:33	7440-41-7	
Boron	0.0072J	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 15:33	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 15:33	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 15:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 15:33	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 15:33	7440-50-8	
Lead	0.00012J	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 15:33	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 15:33	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 15:33	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 15:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 15:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 15:33	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/10/20 13:00	09/11/20 11:58	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	138	mg/L	10.0	10.0	1		09/10/20 18:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		09/10/20 20:25	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/10/20 20:25	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		09/10/20 20:25	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-53R		Lab ID: 92494171016		Collected: 09/08/20 13:03		Received: 09/09/20 10:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.68	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	29.4	mg/L	1.0	0.070	1	09/09/20 19:00	09/10/20 18:46	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/09/20 19:00	09/10/20 18:46	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00078J	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 15:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 15:38	7440-38-2	
Barium	0.013	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 15:38	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 15:38	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 15:38	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 15:38	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 15:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 15:38	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 15:38	7440-50-8	
Lead	0.00060J	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 15:38	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 15:38	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 15:38	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 15:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 15:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 15:38	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/10/20 13:00	09/11/20 12:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	124	mg/L	10.0	10.0	1		09/10/20 18:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		09/10/20 20:39	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/10/20 20:39	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		09/10/20 20:39	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-54 **Lab ID: 92494171017** Collected: 09/08/20 12:38 Received: 09/09/20 10:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.56	Std. Units			1		09/10/20 08:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	24.5	mg/L	1.0	0.070	1	09/09/20 19:00	09/10/20 18:50	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/09/20 19:00	09/10/20 18:50	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 15:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 15:44	7440-38-2	
Barium	0.035	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 15:44	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 15:44	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 15:44	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 15:44	7440-43-9	
Chromium	0.0014J	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 15:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 15:44	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 15:44	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 15:44	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 15:44	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 15:44	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 15:44	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 15:44	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 15:44	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/10/20 13:00	09/11/20 12:07	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	116	mg/L	10.0	10.0	1		09/10/20 18:20		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.80J	mg/L	1.0	0.60	1		09/10/20 20:52	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/10/20 20:52	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		09/10/20 20:52	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: DUP-2		Lab ID: 92494171018		Collected: 09/08/20 00:00	Received: 09/09/20 10:30	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	30.2	mg/L	1.0	0.070	1	09/09/20 19:00	09/10/20 18:54	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/09/20 19:00	09/10/20 18:54	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	0.00056J	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 15:50	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 15:50	7440-38-2		
Barium	0.013	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 15:50	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 15:50	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 15:50	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 15:50	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 15:50	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 15:50	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 15:50	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 15:50	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 15:50	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 15:50	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 15:50	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 15:50	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 15:50	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/10/20 13:00	09/11/20 12:10	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	140	mg/L	10.0	10.0	1		09/10/20 18:20			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.3	mg/L	1.0	0.60	1		09/10/20 21:05	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/10/20 21:05	16984-48-8		
Sulfate	1.4	mg/L	1.0	0.50	1		09/10/20 21:05	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: FBL090820		Lab ID: 92494171019		Collected: 09/08/20 16:15	Received: 09/09/20 10:30	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	ND	mg/L	1.0	0.070	1	09/09/20 19:00	09/10/20 19:03	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/09/20 19:00	09/10/20 19:03	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:14	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:14	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:14	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:14	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:14	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:14	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:14	7440-50-8	
Lead	0.000039J	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:14	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:14	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:14	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:14	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/10/20 13:00	09/11/20 12:12	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/10/20 18:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		09/10/20 21:19	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/10/20 21:19	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/10/20 21:19	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: EQBL090820		Lab ID: 92494171020		Collected: 09/08/20 16:20		Received: 09/09/20 10:30		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/09/20 19:00	09/10/20 19:07	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/09/20 19:00	09/10/20 19:07	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:19	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:19	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:19	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:19	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:19	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:19	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:19	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:19	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:19	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:19	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:19	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:19	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:19	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:19	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:19	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/10/20 13:00	09/11/20 12:14	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/10/20 18:21			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/10/20 21:32	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/10/20 21:32	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/10/20 21:32	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: GWC-16R **Lab ID: 92494171021** Collected: 09/09/20 11:18 Received: 09/11/20 11:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.08	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	57.1	mg/L	1.0	0.070	1	09/14/20 13:15	09/14/20 20:31	7440-70-2	
Zinc	0.037	mg/L	0.020	0.0035	1	09/14/20 13:15	09/14/20 20:31	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.015	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:54	7440-36-0	
Arsenic	0.0011J	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:54	7440-38-2	
Barium	0.051	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:54	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:54	7440-41-7	
Boron	0.012J	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:54	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:54	7440-43-9	
Chromium	0.00056J	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:54	7440-47-3	
Cobalt	0.00069J	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:54	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:54	7440-50-8	
Lead	0.00017J	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:54	7439-92-1	
Nickel	0.0067J	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:54	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:54	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:54	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:54	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:54	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:19	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	297	mg/L	10.0	10.0	1		09/14/20 11:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.0J	mg/L	1.0	0.60	1		09/13/20 00:15	16887-00-6	
Fluoride	0.17J	mg/L	0.30	0.050	1		09/13/20 00:15	16984-48-8	
Sulfate	2.8	mg/L	1.0	0.50	1		09/13/20 00:15	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-17R		Lab ID: 92494171022		Collected: 09/09/20 10:46		Received: 09/11/20 11:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.24	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	63.2	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 17:15	7440-70-2	M1
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 17:15	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:59	7440-38-2	
Barium	0.018	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:59	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:59	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:59	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:59	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:59	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:59	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:59	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:59	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:59	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:33	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	285	mg/L	10.0	10.0	1		09/14/20 11:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.3	mg/L	1.0	0.60	1		09/13/20 00:30	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/13/20 00:30	16984-48-8	
Sulfate	5.6	mg/L	1.0	0.50	1		09/13/20 00:30	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-18		Lab ID: 92494171023		Collected: 09/09/20 14:39		Received: 09/11/20 11:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.63	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	15.3	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:09	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:09	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 17:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 17:05	7440-38-2	
Barium	0.016	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 17:05	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 17:05	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 17:05	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 17:05	7440-43-9	
Chromium	0.0010J	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 17:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 17:05	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 17:05	7440-50-8	
Lead	0.000060J	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 17:05	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 17:05	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 17:05	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 17:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 17:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 17:05	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:36	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	88.0	mg/L	10.0	10.0	1		09/14/20 11:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		09/13/20 00:45	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/13/20 00:45	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		09/13/20 00:45	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-18R		Lab ID: 92494171024		Collected: 09/09/20 13:10		Received: 09/11/20 11:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.81	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	28.5	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:13	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:13	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 18:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 18:14	7440-38-2	
Barium	0.014	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 18:14	7440-39-3	
Beryllium	0.00020J	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 18:14	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 18:14	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 18:14	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 18:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 18:14	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 18:14	7440-50-8	
Lead	0.00025J	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 18:14	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 18:14	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 18:14	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 18:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 18:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 18:14	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	120	mg/L	10.0	10.0	1		09/14/20 11:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		09/13/20 01:00	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/13/20 01:00	16984-48-8	
Sulfate	1.9	mg/L	1.0	0.50	1		09/13/20 01:00	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-19R **Lab ID: 92494171025** Collected: 09/09/20 13:45 Received: 09/11/20 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

pH	7.67	Std. Units			1		09/22/20 07:45		
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6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	30.5	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:18	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:18	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 18:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 18:20	7440-38-2	
Barium	0.014	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 18:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 18:20	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 18:20	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 18:20	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 18:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 18:20	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 18:20	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 18:20	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 18:20	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 18:20	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 18:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 18:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 18:20	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:41	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	152	mg/L	10.0	10.0	1		09/14/20 11:03		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.4	mg/L	1.0	0.60	1		09/15/20 12:42	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 12:42	16984-48-8	
Sulfate	3.4	mg/L	1.0	0.50	1		09/15/20 12:42	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-23R		Lab ID: 92494171026		Collected: 09/09/20 10:21		Received: 09/11/20 11:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.12	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	57.6	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:22	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:22	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 18:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 18:25	7440-38-2	
Barium	0.036	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 18:25	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 18:25	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 18:25	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 18:25	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 18:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 18:25	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 18:25	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 18:25	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 18:25	7440-02-0	
Selenium	0.0017J	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 18:25	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 18:25	7440-22-4	
Thallium	0.00016J	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 18:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 18:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	501	mg/L	10.0	10.0	1		09/14/20 11:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		09/15/20 13:27	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 13:27	16984-48-8	
Sulfate	124	mg/L	3.0	1.5	3		09/16/20 00:22	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWC-24R		Lab ID: 92494171027		Collected: 09/09/20 11:15		Received: 09/11/20 11:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.22	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	31.5	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:26	7440-70-2	
Zinc	0.0048J	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:26	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00094J	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 18:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 18:31	7440-38-2	
Barium	0.024	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 18:31	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 18:31	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 18:31	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 18:31	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 18:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 18:31	7440-48-4	
Copper	0.0017J	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 18:31	7440-50-8	
Lead	0.00010J	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 18:31	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 18:31	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 18:31	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 18:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 18:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 18:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:45	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	155	mg/L	10.0	10.0	1		09/14/20 11:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		09/15/20 13:42	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 13:42	16984-48-8	
Sulfate	1.9	mg/L	1.0	0.50	1		09/15/20 13:42	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: GWA-51RZ **Lab ID: 92494171028** Collected: 09/09/20 09:55 Received: 09/11/20 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data
Analytical Method:
Pace Analytical Services - Charlotte

pH	7.59	Std. Units			1		09/22/20 07:45		
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6010D ATL ICP
Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	44.1	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:30	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:30	7440-66-6	

6020 MET ICPMS
Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.00035J	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 18:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 18:37	7440-38-2	
Barium	0.017	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 18:37	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 18:37	7440-41-7	
Boron	0.0054J	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 18:37	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 18:37	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 18:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 18:37	7440-48-4	
Copper	0.0019J	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 18:37	7440-50-8	
Lead	0.00089J	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 18:37	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 18:37	7440-02-0	
Selenium	0.0059J	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 18:37	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 18:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 18:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 18:37	7440-62-2	

7470 Mercury
Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:48	7439-97-6	
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2540C Total Dissolved Solids
Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	205	mg/L	10.0	10.0	1		09/14/20 11:03		
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300.0 IC Anions 28 Days
Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.6	mg/L	1.0	0.60	1		09/15/20 13:56	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 13:56	16984-48-8	
Sulfate	21.8	mg/L	1.0	0.50	1		09/15/20 13:56	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Sample: DUP-3		Lab ID: 92494171029		Collected: 09/09/20 00:00	Received: 09/11/20 11:20	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	31.7	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:35	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:35	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/15/20 10:45	09/17/20 15:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 10:45	09/17/20 15:32	7440-38-2	
Barium	0.015	mg/L	0.010	0.00071	1	09/15/20 10:45	09/17/20 15:32	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/15/20 10:45	09/17/20 15:32	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/15/20 10:45	09/17/20 15:32	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 10:45	09/17/20 15:32	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/15/20 10:45	09/17/20 15:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 10:45	09/17/20 15:32	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 10:45	09/17/20 15:32	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/15/20 10:45	09/17/20 15:32	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/15/20 10:45	09/17/20 15:32	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 10:45	09/17/20 15:32	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 10:45	09/17/20 15:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 10:45	09/17/20 15:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 10:45	09/17/20 15:32	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:50	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	165	mg/L	10.0	10.0	1		09/14/20 11:03		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.3	mg/L	1.0	0.60	1		09/15/20 15:26	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 15:26	16984-48-8	
Sulfate	3.4	mg/L	1.0	0.50	1		09/15/20 15:26	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: FBL090920		Lab ID: 92494171030		Collected: 09/09/20 15:35	Received: 09/11/20 11:20	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	ND	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:39	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:39	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/15/20 10:45	09/17/20 16:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 10:45	09/17/20 16:09	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	09/15/20 10:45	09/17/20 16:09	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/15/20 10:45	09/17/20 16:09	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/15/20 10:45	09/17/20 16:09	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 10:45	09/17/20 16:09	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/15/20 10:45	09/17/20 16:09	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 10:45	09/17/20 16:09	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 10:45	09/17/20 16:09	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/15/20 10:45	09/17/20 16:09	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/15/20 10:45	09/17/20 16:09	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 10:45	09/17/20 16:09	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 10:45	09/17/20 16:09	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 10:45	09/17/20 16:09	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 10:45	09/17/20 16:09	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 10:52	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/14/20 11:03		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		09/15/20 15:41	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 15:41	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/15/20 15:41	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Sample: EQBL090920		Lab ID: 92494171031		Collected: 09/09/20 15:40	Received: 09/11/20 11:20	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	ND	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:43	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:43	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/15/20 10:45	09/17/20 16:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 10:45	09/17/20 16:15	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	09/15/20 10:45	09/17/20 16:15	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/15/20 10:45	09/17/20 16:15	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/15/20 10:45	09/17/20 16:15	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 10:45	09/17/20 16:15	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/15/20 10:45	09/17/20 16:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 10:45	09/17/20 16:15	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 10:45	09/17/20 16:15	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/15/20 10:45	09/17/20 16:15	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/15/20 10:45	09/17/20 16:15	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 10:45	09/17/20 16:15	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 10:45	09/17/20 16:15	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 10:45	09/17/20 16:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 10:45	09/17/20 16:15	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:00	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/14/20 11:04		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		09/15/20 15:55	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 15:55	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/15/20 15:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch:	564973	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

METHOD BLANK: 2994728 Matrix: Water
Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/08/20 21:36	
Zinc	mg/L	ND	0.020	0.0035	09/08/20 21:36	

LABORATORY CONTROL SAMPLE: 2994729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.95J	95	80-120	
Zinc	mg/L	1	1.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2994730 2994731

Parameter	Units	92492418004 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	186	1	1	180	183	-551	-205	75-125	2	20	M1
Zinc	mg/L	ND	1	1	0.98	0.99	98	99	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

QC Batch:	565402	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171013, 92494171014, 92494171015, 92494171016, 92494171017, 92494171018, 92494171019, 92494171020

METHOD BLANK: 2996643 Matrix: Water

Associated Lab Samples: 92494171013, 92494171014, 92494171015, 92494171016, 92494171017, 92494171018, 92494171019, 92494171020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/10/20 18:03	
Zinc	mg/L	ND	0.020	0.0035	09/10/20 18:03	

LABORATORY CONTROL SAMPLE: 2996644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.95J	95	80-120	
Zinc	mg/L	1	0.95	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2996645 2996646

Parameter	Units	2996645		2996646		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	61.9	1	1	61.2	59.9	-71	-201	75-125	2	20 M1
Zinc	mg/L	0.0063J	1	1	0.97	0.92	96	91	75-125	5	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

QC Batch: 566160	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171021

METHOD BLANK: 3000736 Matrix: Water

Associated Lab Samples: 92494171021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/14/20 18:21	
Zinc	mg/L	ND	0.020	0.0035	09/14/20 18:21	

LABORATORY CONTROL SAMPLE: 3000737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.94J	94	80-120	
Zinc	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000738 3000739

Parameter	Units	92495119001		3000739		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	Result	% Rec	% Rec					
Calcium	mg/L	3750 ug/L	1	1	4.7	4.7	94	95	75-125	0	20		
Zinc	mg/L	ND	1	1	0.99	1.0	99	100	75-125	1	20		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 566280 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92494171022, 92494171023, 92494171024, 92494171025, 92494171026, 92494171027, 92494171028, 92494171029, 92494171030, 92494171031

METHOD BLANK: 3001365 Matrix: Water
Associated Lab Samples: 92494171022, 92494171023, 92494171024, 92494171025, 92494171026, 92494171027, 92494171028, 92494171029, 92494171030, 92494171031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/15/20 17:02	
Zinc	mg/L	ND	0.020	0.0035	09/15/20 17:02	

LABORATORY CONTROL SAMPLE: 3001366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3001367 3001368

Parameter	Units	3001367		3001368		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92494171022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	63.2	1	1	65.8	65.3	256	208	75-125	1	20 M1
Zinc	mg/L	ND	1	1	0.98	0.98	98	98	75-125	0	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

QC Batch: 566968	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495876001

METHOD BLANK: 3004555 Matrix: Water

Associated Lab Samples: 92495876001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/17/20 21:26	
Zinc	mg/L	ND	0.020	0.0035	09/17/20 21:26	

LABORATORY CONTROL SAMPLE: 3004556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Zinc	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004557 3004558

Parameter	Units	92494171032		3004557		3004558		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Calcium	mg/L	31.0	1	1	30.4	29.8	-60	-118	75-125	2	20 M1
Zinc	mg/L	ND	1	1	0.96	0.94	96	94	75-125	1	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 565097 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

METHOD BLANK: 2995188 Matrix: Water
Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/09/20 18:07	
Arsenic	mg/L	ND	0.0050	0.00078	09/09/20 18:07	
Barium	mg/L	ND	0.010	0.00071	09/09/20 18:07	
Beryllium	mg/L	ND	0.0030	0.000046	09/09/20 18:07	
Boron	mg/L	ND	0.10	0.0052	09/09/20 18:07	
Cadmium	mg/L	ND	0.0025	0.00012	09/09/20 18:07	
Chromium	mg/L	ND	0.010	0.00055	09/09/20 18:07	
Cobalt	mg/L	ND	0.0050	0.00038	09/09/20 18:07	
Copper	mg/L	ND	0.025	0.0017	09/09/20 18:07	
Lead	mg/L	ND	0.0050	0.000036	09/09/20 18:07	
Nickel	mg/L	ND	0.010	0.00069	09/09/20 18:07	
Selenium	mg/L	ND	0.010	0.0016	09/09/20 18:07	
Silver	mg/L	ND	0.010	0.00036	09/09/20 18:07	
Thallium	mg/L	ND	0.0010	0.00014	09/09/20 18:07	
Vanadium	mg/L	ND	0.010	0.0022	09/09/20 18:07	

LABORATORY CONTROL SAMPLE: 2995189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	100	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.095	95	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.093	93	80-120	
Nickel	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.091	91	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Parameter	Units	2995190		2995191		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92494171001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.097	0.094	96	94	75-125	2	20	
Barium	mg/L	0.033	0.1	0.1	0.13	0.13	98	100	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	0	20	
Boron	mg/L	ND	1	1	0.97	0.96	96	96	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20	
Chromium	mg/L	0.00078J	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.095	0.092	95	92	75-125	4	20	
Copper	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	0	20	
Nickel	mg/L	ND	0.1	0.1	0.093	0.093	93	92	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.096	0.094	96	94	75-125	2	20	
Silver	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.092	0.090	92	90	75-125	2	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 565403 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171013

METHOD BLANK: 2996647 Matrix: Water
Associated Lab Samples: 92494171013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/10/20 12:02	
Arsenic	mg/L	ND	0.0050	0.00078	09/10/20 12:02	
Barium	mg/L	ND	0.010	0.00071	09/10/20 12:02	
Beryllium	mg/L	ND	0.0030	0.000046	09/10/20 12:02	
Boron	mg/L	ND	0.10	0.0052	09/10/20 12:02	
Cadmium	mg/L	ND	0.0025	0.00012	09/10/20 12:02	
Chromium	mg/L	ND	0.010	0.00055	09/10/20 12:02	
Cobalt	mg/L	ND	0.0050	0.00038	09/10/20 12:02	
Copper	mg/L	ND	0.025	0.0017	09/10/20 12:02	
Lead	mg/L	ND	0.0050	0.000036	09/10/20 12:02	
Nickel	mg/L	ND	0.010	0.00069	09/10/20 12:02	
Selenium	mg/L	ND	0.010	0.0016	09/10/20 12:02	
Silver	mg/L	ND	0.010	0.00036	09/10/20 12:02	
Thallium	mg/L	ND	0.0010	0.00014	09/10/20 12:02	
Vanadium	mg/L	ND	0.010	0.0022	09/10/20 12:02	

LABORATORY CONTROL SAMPLE: 2996648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	113	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.095	95	80-120	
Boron	mg/L	1	0.94	94	80-120	
Cadmium	mg/L	0.1	0.10	104	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	100	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2996649		2996650		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92494205001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	0.0016J	0.1	0.1	0.11	0.11	109	111	75-125	2	20		
Arsenic	mg/L	0.0012J	0.1	0.1	0.10	0.10	101	104	75-125	3	20		
Barium	mg/L	0.19	0.1	0.1	0.28	0.28	90	92	75-125	1	20		
Beryllium	mg/L	0.000060J	0.1	0.1	0.090	0.090	90	90	75-125	0	20		
Boron	mg/L	7.8	1	1	8.1	8.2	35	41	75-125	1	20	M1	
Cadmium	mg/L	0.00032J	0.1	0.1	0.098	0.10	97	100	75-125	3	20		
Chromium	mg/L	ND	0.1	0.1	0.095	0.097	95	96	75-125	2	20		
Cobalt	mg/L	0.0043J	0.1	0.1	0.098	0.099	93	95	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	1	20		
Lead	mg/L	0.00022J	0.1	0.1	0.093	0.096	93	96	75-125	3	20		
Nickel	mg/L	0.0037J	0.1	0.1	0.096	0.098	92	94	75-125	2	20		
Selenium	mg/L	0.0030J	0.1	0.1	0.095	0.10	92	97	75-125	5	20		
Silver	mg/L	ND	0.1	0.1	0.093	0.099	93	99	75-125	6	20		
Thallium	mg/L	0.00042J	0.1	0.1	0.094	0.098	93	97	75-125	4	20		
Vanadium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	5	20		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 566161 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92494171014, 92494171015, 92494171016, 92494171017, 92494171018, 92494171019, 92494171020, 92494171021, 92494171022, 92494171023, 92494171024, 92494171025, 92494171026, 92494171027, 92494171028

METHOD BLANK: 3000746 Matrix: Water
Associated Lab Samples: 92494171014, 92494171015, 92494171016, 92494171017, 92494171018, 92494171019, 92494171020, 92494171021, 92494171022, 92494171023, 92494171024, 92494171025, 92494171026, 92494171027, 92494171028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/15/20 14:58	
Arsenic	mg/L	ND	0.0050	0.00078	09/15/20 14:58	
Barium	mg/L	ND	0.010	0.00071	09/15/20 14:58	
Beryllium	mg/L	ND	0.0030	0.000046	09/15/20 14:58	
Boron	mg/L	ND	0.10	0.0052	09/15/20 14:58	
Cadmium	mg/L	ND	0.0025	0.00012	09/15/20 14:58	
Chromium	mg/L	ND	0.010	0.00055	09/15/20 14:58	
Cobalt	mg/L	ND	0.0050	0.00038	09/15/20 14:58	
Copper	mg/L	ND	0.025	0.0017	09/15/20 14:58	
Lead	mg/L	ND	0.0050	0.000036	09/15/20 14:58	
Nickel	mg/L	ND	0.010	0.00069	09/15/20 14:58	
Selenium	mg/L	ND	0.010	0.0016	09/15/20 14:58	
Silver	mg/L	ND	0.010	0.00036	09/15/20 14:58	
Thallium	mg/L	ND	0.0010	0.00014	09/15/20 14:58	
Vanadium	mg/L	ND	0.010	0.0022	09/15/20 14:58	

LABORATORY CONTROL SAMPLE: 3000747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.093	93	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.095	95	80-120	
Copper	mg/L	0.1	0.095	95	80-120	
Lead	mg/L	0.1	0.096	96	80-120	
Nickel	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.092	92	80-120	
Silver	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	
Vanadium	mg/L	0.1	0.095	95	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Parameter	Units	3000748		3000749		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	99	75-125	0	20	
Arsenic	mg/L	0.0025J	0.1	0.1	0.098	0.097	95	95	75-125	1	20	
Barium	mg/L	0.054	0.1	0.1	0.15	0.15	97	96	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.098	0.095	98	95	75-125	3	20	
Boron	mg/L	0.0084J	1	1	0.97	0.94	96	93	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.099	0.097	99	96	75-125	2	20	
Cobalt	mg/L	0.00087J	0.1	0.1	0.099	0.094	98	93	75-125	5	20	
Copper	mg/L	ND	0.1	0.1	0.095	0.093	95	93	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.095	98	94	75-125	3	20	
Nickel	mg/L	0.00083J	0.1	0.1	0.097	0.093	96	93	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.095	0.095	94	94	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Thallium	mg/L	0.00016J	0.1	0.1	0.099	0.095	99	95	75-125	4	20	
Vanadium	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 566278 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171029, 92494171030, 92494171031

METHOD BLANK: 3001361 Matrix: Water

Associated Lab Samples: 92494171029, 92494171030, 92494171031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/17/20 14:57	
Arsenic	mg/L	ND	0.0050	0.00078	09/17/20 14:57	
Barium	mg/L	ND	0.010	0.00071	09/17/20 14:57	
Beryllium	mg/L	ND	0.0030	0.000046	09/17/20 14:57	
Boron	mg/L	ND	0.10	0.0052	09/17/20 14:57	
Cadmium	mg/L	ND	0.0025	0.00012	09/17/20 14:57	
Chromium	mg/L	ND	0.010	0.00055	09/17/20 14:57	
Cobalt	mg/L	ND	0.0050	0.00038	09/17/20 14:57	
Copper	mg/L	ND	0.025	0.0017	09/17/20 14:57	
Lead	mg/L	ND	0.0050	0.000036	09/17/20 14:57	
Nickel	mg/L	ND	0.010	0.00069	09/17/20 14:57	
Selenium	mg/L	ND	0.010	0.0016	09/17/20 14:57	
Silver	mg/L	ND	0.010	0.00036	09/17/20 14:57	
Thallium	mg/L	ND	0.0010	0.00014	09/17/20 14:57	
Vanadium	mg/L	ND	0.010	0.0022	09/17/20 14:57	

LABORATORY CONTROL SAMPLE: 3001362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.1	110	80-120	
Cadmium	mg/L	0.1	0.094	94	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Nickel	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Silver	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Parameter	Units	3001363		3001364		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92494171029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	1	20	
Barium	mg/L	0.015	0.1	0.1	0.11	0.11	95	96	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20	
Boron	mg/L	ND	1	1	0.96	0.97	96	97	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20	
Copper	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20	
Nickel	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.092	0.097	92	97	75-125	5	20	
Silver	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 568417 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495876001

METHOD BLANK: 3011604 Matrix: Water
Associated Lab Samples: 92495876001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/23/20 18:33	
Arsenic	mg/L	ND	0.0050	0.00078	09/23/20 18:33	
Barium	mg/L	ND	0.010	0.00071	09/23/20 18:33	
Beryllium	mg/L	ND	0.0030	0.000046	09/23/20 18:33	
Boron	mg/L	ND	0.10	0.0052	09/23/20 18:33	
Cadmium	mg/L	ND	0.0025	0.00012	09/23/20 18:33	
Chromium	mg/L	ND	0.010	0.00055	09/23/20 18:33	
Cobalt	mg/L	ND	0.0050	0.00038	09/23/20 18:33	
Copper	mg/L	ND	0.025	0.0017	09/23/20 18:33	
Lead	mg/L	ND	0.0050	0.000036	09/23/20 18:33	
Nickel	mg/L	ND	0.010	0.00069	09/23/20 18:33	
Selenium	mg/L	ND	0.010	0.0016	09/23/20 18:33	
Silver	mg/L	ND	0.010	0.00036	09/23/20 18:33	
Thallium	mg/L	ND	0.0010	0.00014	09/23/20 18:33	
Vanadium	mg/L	ND	0.010	0.0022	09/23/20 18:33	

LABORATORY CONTROL SAMPLE: 3011605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	105	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.11	107	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011606 3011607														
Parameter	Units	92495876001		MS	MSD	3011607		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20			
Arsenic	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	1	20			
Barium	mg/L	0.030	0.1	0.1	0.13	0.13	96	95	75-125	1	20			
Beryllium	mg/L	0.00012J	0.1	0.1	0.098	0.095	98	95	75-125	2	20			
Boron	mg/L	0.0065J	1	1	1.0	0.98	100	97	75-125	3	20			
Cadmium	mg/L	0.00016J	0.1	0.1	0.10	0.098	100	98	75-125	2	20			
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	1	20			
Lead	mg/L	0.00065J	0.1	0.1	0.098	0.099	97	99	75-125	2	20			
Nickel	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.097	0.096	96	95	75-125	1	20			
Silver	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20			
Thallium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	2	20			

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

QC Batch:	564918	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

METHOD BLANK: 2994377 Matrix: Water

Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/09/20 09:09	

LABORATORY CONTROL SAMPLE: 2994378

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2994379 2994380

Parameter	Units	92494171001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Mercury	mg/L	ND	0.0025	0.0024	0.0025	0.0024	95	94	75-125	1	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 565578 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92494171013, 92494171014, 92494171015, 92494171016, 92494171017, 92494171018, 92494171019, 92494171020

METHOD BLANK: 2997348 Matrix: Water
Associated Lab Samples: 92494171013, 92494171014, 92494171015, 92494171016, 92494171017, 92494171018, 92494171019, 92494171020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/11/20 11:37	

LABORATORY CONTROL SAMPLE: 2997349

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2997350 2997351

Parameter	Units	2997350		2997351		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92494171020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0024	95	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

QC Batch: 566202

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171021, 92494171022, 92494171023, 92494171024, 92494171025, 92494171026, 92494171027, 92494171028, 92494171029, 92494171030, 92494171031

METHOD BLANK: 3000973

Matrix: Water

Associated Lab Samples: 92494171021, 92494171022, 92494171023, 92494171024, 92494171025, 92494171026, 92494171027, 92494171028, 92494171029, 92494171030, 92494171031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/15/20 10:14	

LABORATORY CONTROL SAMPLE: 3000974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000975 3000976

Parameter	Units	92494171021 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Mercury	mg/L	ND	0.0025	0.0026	0.0027	0.0025	101	106	75-125	5	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 568004	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495876001

METHOD BLANK: 3009596 Matrix: Water

Associated Lab Samples: 92495876001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/23/20 08:40	

LABORATORY CONTROL SAMPLE: 3009597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3009598 3009599

Parameter	Units	3009598		3009599		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92496275006 ND	0.0025	0.0025	0.0025	98	94	75-125	5	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 565351 Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

METHOD BLANK: 2996312 Matrix: Water
Associated Lab Samples: 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/09/20 17:13	

LABORATORY CONTROL SAMPLE: 2996313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	401	100	84-108	

SAMPLE DUPLICATE: 2996315

Parameter	Units	92494205003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	611	621	2	10	

SAMPLE DUPLICATE: 3000170

Parameter	Units	92494171009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	21.0	22.0	5	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

QC Batch: 565579

Analysis Method: SM 2450C-2011

QC Batch Method: SM 2450C-2011

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171013, 92494171014, 92494171015, 92494171016, 92494171017, 92494171018

METHOD BLANK: 2997353

Matrix: Water

Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171013, 92494171014, 92494171015, 92494171016, 92494171017, 92494171018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/10/20 18:17	

LABORATORY CONTROL SAMPLE: 2997354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	391	98	84-108	

SAMPLE DUPLICATE: 2997355

Parameter	Units	92494171001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	212	200	6	10	

SAMPLE DUPLICATE: 2997356

Parameter	Units	92494567004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	555	560	1	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

QC Batch: 565583

Analysis Method: SM 2450C-2011

QC Batch Method: SM 2450C-2011

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171019, 92494171020

METHOD BLANK: 2997370

Matrix: Water

Associated Lab Samples: 92494171019, 92494171020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/10/20 18:21	

LABORATORY CONTROL SAMPLE: 2997371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	84-108	

SAMPLE DUPLICATE: 2997372

Parameter	Units	92494171019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

QC Batch: 566137

Analysis Method: SM 2450C-2011

QC Batch Method: SM 2450C-2011

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171021, 92494171022, 92494171023, 92494171024, 92494171025, 92494171026, 92494171027, 92494171028, 92494171029, 92494171030, 92494171031

METHOD BLANK: 3000515

Matrix: Water

Associated Lab Samples: 92494171021, 92494171022, 92494171023, 92494171024, 92494171025, 92494171026, 92494171027, 92494171028, 92494171029, 92494171030, 92494171031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/14/20 11:01	

LABORATORY CONTROL SAMPLE: 3000516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	388	97	84-108	

SAMPLE DUPLICATE: 3000517

Parameter	Units	92495082001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1170	1150	2	10	

SAMPLE DUPLICATE: 3000518

Parameter	Units	92494171030 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 567139	Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495876001

METHOD BLANK: 3005336 Matrix: Water
Associated Lab Samples: 92495876001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/17/20 15:22	

LABORATORY CONTROL SAMPLE: 3005337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	420	105	84-108	

SAMPLE DUPLICATE: 3005338

Parameter	Units	92494171032 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	146	142	3	10	

SAMPLE DUPLICATE: 3005339

Parameter	Units	92495656003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	100	95.0	5	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 565115 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

METHOD BLANK: 2995239 Matrix: Water
Associated Lab Samples: 92494171001, 92494171002, 92494171003, 92494171004, 92494171005, 92494171006, 92494171007, 92494171008, 92494171009, 92494171010, 92494171011, 92494171012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/08/20 22:17	
Fluoride	mg/L	ND	0.30	0.050	09/08/20 22:17	
Sulfate	mg/L	ND	1.0	0.50	09/08/20 22:17	

LABORATORY CONTROL SAMPLE: 2995240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.3	99	90-110	
Fluoride	mg/L	2.5	2.6	102	90-110	
Sulfate	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2995241 2995242

Parameter	Units	92493493002		MS		MSD		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	1690	50	50	1670	1640	-39	-108	90-110	2	10	M6	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	105	104	90-110	1	10		
Sulfate	mg/L	3.4	50	50	50.4	50.1	94	93	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2995243 2995244

Parameter	Units	92494171010		MS		MSD		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	1.4	50	50	49.4	49.5	96	96	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	95	97	90-110	2	10		
Sulfate	mg/L	3.5	50	50	51.7	51.9	96	97	90-110	0	10		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 565623 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92494171013, 92494171014, 92494171015, 92494171016, 92494171017, 92494171018, 92494171019, 92494171020

METHOD BLANK: 2997613 Matrix: Water
Associated Lab Samples: 92494171013, 92494171014, 92494171015, 92494171016, 92494171017, 92494171018, 92494171019, 92494171020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/10/20 17:57	
Fluoride	mg/L	ND	0.30	0.050	09/10/20 17:57	
Sulfate	mg/L	ND	1.0	0.50	09/10/20 17:57	

LABORATORY CONTROL SAMPLE: 2997614

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.2	96	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2997615 2997616

Parameter	Units	92494618001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L				64.2	64.6			90-110	1	10	
Fluoride	mg/L				4.5	4.5			90-110	1	10 M1	
Sulfate	mg/L				55.4	55.7			90-110	1	10 M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2997617 2997618

Parameter	Units	92494171020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	53.2	54.3	106	109	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	107	110	90-110	3	10	
Sulfate	mg/L	ND	50	50	53.3	54.4	107	109	90-110	2	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 566058 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92494171021, 92494171022, 92494171023, 92494171024

METHOD BLANK: 3000158 Matrix: Water
Associated Lab Samples: 92494171021, 92494171022, 92494171023, 92494171024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/12/20 17:32	
Fluoride	mg/L	ND	0.30	0.050	09/12/20 17:32	
Sulfate	mg/L	ND	1.0	0.50	09/12/20 17:32	

LABORATORY CONTROL SAMPLE: 3000159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.8	104	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000160 3000161

Parameter	Units	92495082001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	68.6	50	50	113	112	90	87	90-110	1	10	M6	
Fluoride	mg/L	0.93	2.5	2.5	3.8	3.8	117	117	90-110	0	10	M1	
Sulfate	mg/L	606	50	50	639	634	67	56	90-110	1	10	M6	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000162 3000163

Parameter	Units	92495040001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	7.1	50	50	63.9	64.2	114	114	90-110	0	10	M1	
Fluoride	mg/L	0.86	2.5	2.5	3.7	3.7	114	112	90-110	1	10	M1	
Sulfate	mg/L	10.1	50	50	66.8	67.2	114	114	90-110	0	10	M1	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 566299 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92494171025, 92494171026, 92494171027, 92494171028, 92494171029, 92494171030, 92494171031

METHOD BLANK: 3001409 Matrix: Water
Associated Lab Samples: 92494171025, 92494171026, 92494171027, 92494171028, 92494171029, 92494171030, 92494171031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/15/20 11:43	
Fluoride	mg/L	ND	0.30	0.050	09/15/20 11:43	
Sulfate	mg/L	ND	1.0	0.50	09/15/20 11:43	

LABORATORY CONTROL SAMPLE: 3001410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	51.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3001411 3001412

Parameter	Units	92494171025		3001411		3001412		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.4	2.4	50	50	54.2	54.7	104	105	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.6	2.6	103	104	90-110	1	10	
Sulfate	mg/L	3.4	3.4	50	50	55.2	55.8	104	105	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3001413 3001414

Parameter	Units	92495047009		3001413		3001414		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	3.1	3.1	50	50	55.6	55.7	105	105	90-110	0	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.6	2.6	103	104	90-110	1	10	
Sulfate	mg/L	2.8	2.8	50	50	55.2	55.4	105	105	90-110	0	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

QC Batch: 567088 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92495876001

METHOD BLANK: 3004873 Matrix: Water
Associated Lab Samples: 92495876001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/17/20 15:50	
Fluoride	mg/L	ND	0.30	0.050	09/17/20 15:50	
Sulfate	mg/L	ND	1.0	0.50	09/17/20 15:50	

LABORATORY CONTROL SAMPLE: 3004874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.8	104	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004875 3004876

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92494171032 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	3.3	50	50	57.1	57.7	107	109	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	106	108	90-110	2	10		
Sulfate	mg/L	4.9	50	50	58.8	59.4	108	109	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004877 3004878

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495870001 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	1.3	50	50	52.0	55.5	101	108	90-110	6	10		
Fluoride	mg/L	0.050J	2.5	2.5	2.6	2.7	101	108	90-110	6	10		
Sulfate	mg/L	0.96J	50	50	51.5	55.0	101	108	90-110	6	10		

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QUALIFIERS

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92494171001	GWC-20R				
92494171002	GWC-25R				
92494171003	GWA-55				
92494171004	GWA-55R				
92494171005	GWA-56				
92494171007	GWA-36				
92494171008	GWA-37				
92494171009	GWA-38				
92494171010	GWA-52				
92494171013	GWC-21R				
92494171014	GWC-22R				
92494171015	GWA-53				
92494171016	GWA-53R				
92494171017	GWA-54				
92494171021	GWC-16R				
92494171022	GWC-17R				
92494171023	GWC-18				
92494171024	GWC-18R				
92494171025	GWC-19R				
92494171026	GWC-23R				
92494171027	GWC-24R				
92494171028	GWA-51RZ				
92495876001	GWA-36R				
92494171001	GWC-20R	EPA 3010A	564973	EPA 6010D	565003
92494171002	GWC-25R	EPA 3010A	564973	EPA 6010D	565003
92494171003	GWA-55	EPA 3010A	564973	EPA 6010D	565003
92494171004	GWA-55R	EPA 3010A	564973	EPA 6010D	565003
92494171005	GWA-56	EPA 3010A	564973	EPA 6010D	565003
92494171006	FBL090420	EPA 3010A	564973	EPA 6010D	565003
92494171007	GWA-36	EPA 3010A	564973	EPA 6010D	565003
92494171008	GWA-37	EPA 3010A	564973	EPA 6010D	565003
92494171009	GWA-38	EPA 3010A	564973	EPA 6010D	565003
92494171010	GWA-52	EPA 3010A	564973	EPA 6010D	565003
92494171011	DUP-1	EPA 3010A	564973	EPA 6010D	565003
92494171012	FBL090320	EPA 3010A	564973	EPA 6010D	565003
92494171013	GWC-21R	EPA 3010A	565402	EPA 6010D	565410
92494171014	GWC-22R	EPA 3010A	565402	EPA 6010D	565410
92494171015	GWA-53	EPA 3010A	565402	EPA 6010D	565410
92494171016	GWA-53R	EPA 3010A	565402	EPA 6010D	565410
92494171017	GWA-54	EPA 3010A	565402	EPA 6010D	565410
92494171018	DUP-2	EPA 3010A	565402	EPA 6010D	565410
92494171019	FBL090820	EPA 3010A	565402	EPA 6010D	565410
92494171020	EQBL090820	EPA 3010A	565402	EPA 6010D	565410
92494171021	GWC-16R	EPA 3010A	566160	EPA 6010D	566258
92494171022	GWC-17R	EPA 3010A	566280	EPA 6010D	566439
92494171023	GWC-18	EPA 3010A	566280	EPA 6010D	566439
92494171024	GWC-18R	EPA 3010A	566280	EPA 6010D	566439

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92494171025	GWC-19R	EPA 3010A	566280	EPA 6010D	566439
92494171026	GWC-23R	EPA 3010A	566280	EPA 6010D	566439
92494171027	GWC-24R	EPA 3010A	566280	EPA 6010D	566439
92494171028	GWA-51RZ	EPA 3010A	566280	EPA 6010D	566439
92494171029	DUP-3	EPA 3010A	566280	EPA 6010D	566439
92494171030	FBL090920	EPA 3010A	566280	EPA 6010D	566439
92494171031	EQBL090920	EPA 3010A	566280	EPA 6010D	566439
92495876001	GWA-36R	EPA 3010A	566968	EPA 6010D	566969
92494171001	GWC-20R	EPA 3005A	565097	EPA 6020B	565120
92494171002	GWC-25R	EPA 3005A	565097	EPA 6020B	565120
92494171003	GWA-55	EPA 3005A	565097	EPA 6020B	565120
92494171004	GWA-55R	EPA 3005A	565097	EPA 6020B	565120
92494171005	GWA-56	EPA 3005A	565097	EPA 6020B	565120
92494171006	FBL090420	EPA 3005A	565097	EPA 6020B	565120
92494171007	GWA-36	EPA 3005A	565097	EPA 6020B	565120
92494171008	GWA-37	EPA 3005A	565097	EPA 6020B	565120
92494171009	GWA-38	EPA 3005A	565097	EPA 6020B	565120
92494171010	GWA-52	EPA 3005A	565097	EPA 6020B	565120
92494171011	DUP-1	EPA 3005A	565097	EPA 6020B	565120
92494171012	FBL090320	EPA 3005A	565097	EPA 6020B	565120
92494171013	GWC-21R	EPA 3005A	565403	EPA 6020B	565411
92494171014	GWC-22R	EPA 3005A	566161	EPA 6020B	566260
92494171015	GWA-53	EPA 3005A	566161	EPA 6020B	566260
92494171016	GWA-53R	EPA 3005A	566161	EPA 6020B	566260
92494171017	GWA-54	EPA 3005A	566161	EPA 6020B	566260
92494171018	DUP-2	EPA 3005A	566161	EPA 6020B	566260
92494171019	FBL090820	EPA 3005A	566161	EPA 6020B	566260
92494171020	EQBL090820	EPA 3005A	566161	EPA 6020B	566260
92494171021	GWC-16R	EPA 3005A	566161	EPA 6020B	566260
92494171022	GWC-17R	EPA 3005A	566161	EPA 6020B	566260
92494171023	GWC-18	EPA 3005A	566161	EPA 6020B	566260
92494171024	GWC-18R	EPA 3005A	566161	EPA 6020B	566260
92494171025	GWC-19R	EPA 3005A	566161	EPA 6020B	566260
92494171026	GWC-23R	EPA 3005A	566161	EPA 6020B	566260
92494171027	GWC-24R	EPA 3005A	566161	EPA 6020B	566260
92494171028	GWA-51RZ	EPA 3005A	566161	EPA 6020B	566260
92494171029	DUP-3	EPA 3005A	566278	EPA 6020B	566438
92494171030	FBL090920	EPA 3005A	566278	EPA 6020B	566438
92494171031	EQBL090920	EPA 3005A	566278	EPA 6020B	566438
92495876001	GWA-36R	EPA 3005A	568417	EPA 6020B	568454
92494171001	GWC-20R	EPA 7470A	564918	EPA 7470A	564991
92494171002	GWC-25R	EPA 7470A	564918	EPA 7470A	564991
92494171003	GWA-55	EPA 7470A	564918	EPA 7470A	564991
92494171004	GWA-55R	EPA 7470A	564918	EPA 7470A	564991
92494171005	GWA-56	EPA 7470A	564918	EPA 7470A	564991

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92494171006	FBL090420	EPA 7470A	564918	EPA 7470A	564991
92494171007	GWA-36	EPA 7470A	564918	EPA 7470A	564991
92494171008	GWA-37	EPA 7470A	564918	EPA 7470A	564991
92494171009	GWA-38	EPA 7470A	564918	EPA 7470A	564991
92494171010	GWA-52	EPA 7470A	564918	EPA 7470A	564991
92494171011	DUP-1	EPA 7470A	564918	EPA 7470A	564991
92494171012	FBL090320	EPA 7470A	564918	EPA 7470A	564991
92494171013	GWC-21R	EPA 7470A	565578	EPA 7470A	565644
92494171014	GWC-22R	EPA 7470A	565578	EPA 7470A	565644
92494171015	GWA-53	EPA 7470A	565578	EPA 7470A	565644
92494171016	GWA-53R	EPA 7470A	565578	EPA 7470A	565644
92494171017	GWA-54	EPA 7470A	565578	EPA 7470A	565644
92494171018	DUP-2	EPA 7470A	565578	EPA 7470A	565644
92494171019	FBL090820	EPA 7470A	565578	EPA 7470A	565644
92494171020	EQBL090820	EPA 7470A	565578	EPA 7470A	565644
92494171021	GWC-16R	EPA 7470A	566202	EPA 7470A	566255
92494171022	GWC-17R	EPA 7470A	566202	EPA 7470A	566255
92494171023	GWC-18	EPA 7470A	566202	EPA 7470A	566255
92494171024	GWC-18R	EPA 7470A	566202	EPA 7470A	566255
92494171025	GWC-19R	EPA 7470A	566202	EPA 7470A	566255
92494171026	GWC-23R	EPA 7470A	566202	EPA 7470A	566255
92494171027	GWC-24R	EPA 7470A	566202	EPA 7470A	566255
92494171028	GWA-51RZ	EPA 7470A	566202	EPA 7470A	566255
92494171029	DUP-3	EPA 7470A	566202	EPA 7470A	566255
92494171030	FBL090920	EPA 7470A	566202	EPA 7470A	566255
92494171031	EQBL090920	EPA 7470A	566202	EPA 7470A	566255
92495876001	GWA-36R	EPA 7470A	568004	EPA 7470A	568115
92494171001	GWC-20R	SM 2450C-2011	565579		
92494171002	GWC-25R	SM 2450C-2011	565579		
92494171003	GWA-55	SM 2450C-2011	565579		
92494171004	GWA-55R	SM 2450C-2011	565579		
92494171005	GWA-56	SM 2450C-2011	565579		
92494171006	FBL090420	SM 2450C-2011	565579		
92494171007	GWA-36	SM 2450C-2011	565351		
92494171008	GWA-37	SM 2450C-2011	565351		
92494171009	GWA-38	SM 2450C-2011	565351		
92494171010	GWA-52	SM 2450C-2011	565351		
92494171011	DUP-1	SM 2450C-2011	565351		
92494171012	FBL090320	SM 2450C-2011	565351		
92494171013	GWC-21R	SM 2450C-2011	565579		
92494171014	GWC-22R	SM 2450C-2011	565579		
92494171015	GWA-53	SM 2450C-2011	565579		
92494171016	GWA-53R	SM 2450C-2011	565579		
92494171017	GWA-54	SM 2450C-2011	565579		
92494171018	DUP-2	SM 2450C-2011	565579		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 3&4
Pace Project No.: 92495876

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92494171019	FBL090820	SM 2450C-2011	565583		
92494171020	EQBL090820	SM 2450C-2011	565583		
92494171021	GWC-16R	SM 2450C-2011	566137		
92494171022	GWC-17R	SM 2450C-2011	566137		
92494171023	GWC-18	SM 2450C-2011	566137		
92494171024	GWC-18R	SM 2450C-2011	566137		
92494171025	GWC-19R	SM 2450C-2011	566137		
92494171026	GWC-23R	SM 2450C-2011	566137		
92494171027	GWC-24R	SM 2450C-2011	566137		
92494171028	GWA-51RZ	SM 2450C-2011	566137		
92494171029	DUP-3	SM 2450C-2011	566137		
92494171030	FBL090920	SM 2450C-2011	566137		
92494171031	EQBL090920	SM 2450C-2011	566137		
92495876001	GWA-36R	SM 2450C-2011	567139		
92494171001	GWC-20R	EPA 300.0 Rev 2.1 1993	565115		
92494171002	GWC-25R	EPA 300.0 Rev 2.1 1993	565115		
92494171003	GWA-55	EPA 300.0 Rev 2.1 1993	565115		
92494171004	GWA-55R	EPA 300.0 Rev 2.1 1993	565115		
92494171005	GWA-56	EPA 300.0 Rev 2.1 1993	565115		
92494171006	FBL090420	EPA 300.0 Rev 2.1 1993	565115		
92494171007	GWA-36	EPA 300.0 Rev 2.1 1993	565115		
92494171008	GWA-37	EPA 300.0 Rev 2.1 1993	565115		
92494171009	GWA-38	EPA 300.0 Rev 2.1 1993	565115		
92494171010	GWA-52	EPA 300.0 Rev 2.1 1993	565115		
92494171011	DUP-1	EPA 300.0 Rev 2.1 1993	565115		
92494171012	FBL090320	EPA 300.0 Rev 2.1 1993	565115		
92494171013	GWC-21R	EPA 300.0 Rev 2.1 1993	565623		
92494171014	GWC-22R	EPA 300.0 Rev 2.1 1993	565623		
92494171015	GWA-53	EPA 300.0 Rev 2.1 1993	565623		
92494171016	GWA-53R	EPA 300.0 Rev 2.1 1993	565623		
92494171017	GWA-54	EPA 300.0 Rev 2.1 1993	565623		
92494171018	DUP-2	EPA 300.0 Rev 2.1 1993	565623		
92494171019	FBL090820	EPA 300.0 Rev 2.1 1993	565623		
92494171020	EQBL090820	EPA 300.0 Rev 2.1 1993	565623		
92494171021	GWC-16R	EPA 300.0 Rev 2.1 1993	566058		
92494171022	GWC-17R	EPA 300.0 Rev 2.1 1993	566058		
92494171023	GWC-18	EPA 300.0 Rev 2.1 1993	566058		
92494171024	GWC-18R	EPA 300.0 Rev 2.1 1993	566058		
92494171025	GWC-19R	EPA 300.0 Rev 2.1 1993	566299		
92494171026	GWC-23R	EPA 300.0 Rev 2.1 1993	566299		
92494171027	GWC-24R	EPA 300.0 Rev 2.1 1993	566299		
92494171028	GWA-51RZ	EPA 300.0 Rev 2.1 1993	566299		
92494171029	DUP-3	EPA 300.0 Rev 2.1 1993	566299		
92494171030	FBL090920	EPA 300.0 Rev 2.1 1993	566299		
92494171031	EQBL090920	EPA 300.0 Rev 2.1 1993	566299		

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 3&4

Pace Project No.: 92495876

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92495876001	GWA-36R	EPA 300.0 Rev 2.1 1993	567088		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Sample Condition Upon Receipt

Pace Analytical

Client Name: GA Power

WO#: 92495876



92495876

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used 214 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 0.4 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: 9/16/2004

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<u>all done</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3. 11September2006



Document Name:
Bottle Identification Form (BIF)
Document No.:
F-CAR-CS-043-Rev.00

Document Issued: March 14, 2019
Page 1 of 1
Issuing Authority:
Pace Carolinas Quality Office

Project #

WO# : 92495876

PM: KLH1

Due Date: 09/30/20

CLIENT: GA-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BO15 (water) DOC, LLHg

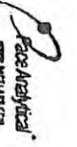
*Bottom half of box is to list number of bottle

Metric	Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3M-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (C-)	WGSU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP9A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG9U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Of Out of hold, incorrect preservative, out of temp, incorrect containers.



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Client Information:

Company: Georgia Power
Address: 1003 Weatherstone Parkway
City: Marietta, GA 30188
Phone: (678)546-9415
Fax: (678)546-9415
Email: kevin.stephenson@resolutions.com

Section B
Required Project Information:

Report To: Kevin Stephenson
Copy To:
Purchase Order #: Bowen LF Cells 3&4
Project Name: Bowen LF Cells 3&4
Project #:

Section C
Invoice Information:

Attention:
Company Name:
Address:
Phone Number:
Project Manager: kevin.hertling@pacelabs.com
Phone Profile #: 10850

Page: 1 Of 1

Regulatory Agency: State / Location: GA

ITEM #	MATERIAL	CODED	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS							Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)			
					START DATE	END DATE		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	Analysis Test	
1	Sup-1	WT																	
2	Sup-2	WT																	
3	DUP-1	WT																	
4	FBI-1	WT																	
5	FBI-2	WT																	
6	FBI-3	WT																	
7	FBI-4	WT																	
8	EQB1	WT																	
9	GWA-36	WT																	
10	GWA-36R	WT																	
11	GWA-37	WT																	
12	GWA-38	WT																	

REQUISITIONED BY / AFFILIATION: Devonica Ford
DATE: 9/14/08
TIME: 6:08
ACCEPTED BY / AFFILIATION: Cindy Marks
DATE: 9/15/08
TIME: 5:10

REQUISITIONED BY / AFFILIATION: For William Park
DATE: 9/16/08
TIME: 9:25
ACCEPTED BY / AFFILIATION: Paula Parks
DATE: 9/16/08
TIME: 9:25

REQUISITIONED BY / AFFILIATION: [Signature]
DATE: 9/14/08
TIME: 08:17

REQUISITIONED BY / AFFILIATION: [Signature]
DATE: 9/14/08
TIME: 08:17

TEMP in C: 08.17
Received on Ice: Y
Custody Sealed: Y
Cooler: Y
Samples Intact: Y



Sample Condition Upon Receipt

WO#: 92494171

Client Name: GA POWER



92494171

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Proj. Due Date: _____
Proj. Name: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other ZIPLOC

Thermometer Used THR214 Type of Ice: Blue None Samples on ice, cooling process has begun

Cooler Temperature 5.7
Temp should be above freezing to 6°C

Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: KRW 9/4/10

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7. 10 Day
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>WT</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 City: Woodstock, GA 30188

Section B Required Project Information:
 Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Project Name: Plant Bowen Land Fill
 Project Number:

Section C Invoice Information:
 Attention: Southern Co.
 Company Name:
 Address:
 State: GA

Page: 1 of 3

Section D Required Client Information:
 Email To: Kevin.Stephenson@ResoluteEnergy.com
 Phone: (678)5489415
 Requested Due Date/TAT: 10 Day

Section E Regulatory Agency:
 APDES GROUND WATER
 UST RCRA OTHER
 Site Location: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATERIAL WATER WASTE PRODUCT SOLVENT WIRE AIR OTHER Tissue	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
					DATE	TIME	DATE							
1	GWA-30													
2	GWA-36R													
3	GWA-37													
4	GWA-38													
5	GWA-39													
6	GWA-40R													
7	GWA-41R													
8	GWA-42R													
9	GWA-43R													
10	GWA-44R													
11	GWA-45R													
12	GWA-46R													
ADDITIONAL COMMENTS														
State Metals														
Will Locker / Residue														
9/4/20 16:00 K. M. Wells / River 160057														

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: *Kevin Stephenson, Will Locker*
 SIGNATURE of SAMPLER: *Kevin Stephenson, Will Locker*
 DATE Signed (MM/DD/YYYY): 09/14/20

Temp in °C: _____
 Received on Ice (Y/N): _____
 Custody Sealed Cooler (Y/N): _____
 Samples Intact (Y/N): _____

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.
 FALL-Q-020rev.07.15-Feb-2007

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Resolute
 RESOLUTE
 ANALYTICAL

Section A Requester Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GA Power	Address: 1003 Weatherstone Parkway Woodstock, GA 30188	Report To: Kevin Stephenson	Copy To: Rhonda Quinri	Attention: Southern Co.	Company Name:
Email To: Kevin.Stephenson@Resoluteenv.com	Phone: (678)5489415	Project Name: Plant Bowen Land Fill	Purchase Order No.:	Address:	Site Location:
Fax:	Requested Date Del/VAT: 14 Day	Project Number:	Reference: Kevin Herring	Site Location:	STATE: GA
REGULATORY AGENCY		REGULATORY AGENCY		REGULATORY AGENCY	
<input type="checkbox"/> NPDES <input type="checkbox"/> UST <input type="checkbox"/> RCRA		<input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> OTHER		<input type="checkbox"/> OTHER	

ITEM #	Section B Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH
				DATE	TIME							
1	GWC-2SR	WATER	G	9/14/20	12:43	3	Unpreserved	Cl, F, SO4				
2	GWC-2SR	WATER	G	9/14/20	12:43	3	H ₂ SO ₄	Metals 6020/7470				
3	GWC-2SR	WATER	G	9/14/20	12:43	3	HNO ₃	TDS				
4	GWA-5R2	WATER	G	9/14/20	12:43	3	HCl					
5	GWA-5R2	WATER	G	9/14/20	12:43	3	NaOH					
6	GWA-5R	WATER	G	9/14/20	12:43	3	Na ₂ S ₂ O ₃					
7	GWA-5R	WATER	G	9/14/20	12:43	3	Methanol					
8	GWA-5R	WATER	G	9/14/20	12:43	3	Other					
9	GWA-5R	WATER	G	9/14/20	12:43	3						
10	GWA-5R	WATER	G	9/14/20	12:43	3						
11	GWA-5R	WATER	G	9/14/20	12:43	3						
12	GWA-5R	WATER	G	9/14/20	12:43	3						

RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION	
Will Laaker / Resolute	9/14/20	Kevin Herring / Resolute	9/14/20
DATE		DATE	
TIME		TIME	
SAMPLER NAME AND SIGNATURE		SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Veronica Fey, Kevin Stephenson, Will Laaker		PRINT Name of SAMPLER: Veronica Fey, Kevin Stephenson, Will Laaker	
SIGNATURE of SAMPLER: <i>Veronica Fey</i>		SIGNATURE of SAMPLER: <i>Veronica Fey</i>	
DATE Signed (MM/DD/YYYY): 09/10/20		DATE Signed (MM/DD/YYYY): 09/10/20	
Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Requested Date Data/TAT: 10 Day	Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn Purchase Order No.: Project Name: Plant Bowen Land Fill Project Number: Section C Invoicing Information: Attention: Southern Co. Company Name: Address: Port Code: Reference: Kevin Henning Project Manager: Phone/Fax #: 2828
REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER COP Site Location: _____ STATE: GA	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DOMESTIC WATER DW WASTE WATER WT WASTE WATER WW PRODUCT SOLID P SOLID S OK WV M OTHER TS95R	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)									
					DATE	TIME	DATE			TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃								Methanol	Other							
1																																
2	DUP-1																															
3	DUP-2																															
4	DUP-3																															
5	FBL 0904 20		WTG	9/1/20	13:40				3	2	1																					
6	EABL																															
7	FBL																															
8	EOBT																															
9	FBL																															
10	FBL																															
11	FBL																															
12	FBL																															
ADDITIONAL COMMENTS		REQUISITIONED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																						
State Metals		William Laker / Resolute		9/4/20	10:00	K. Miller / Pace		9/4/20	16:00	5.1		Y		N		Y																

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Veronica Fay, Kevin Stephenson, Will Yeater			
SIGNATURE of SAMPLER: <i>Veronica Fay</i>	DATE Signed (MM/DD/YYYY): 09/10/20		

Page: 3 of 3

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 3

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, GA 30188 Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Fax: Requested Due Date/TAT: 10 Day		Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn Purchase Order No.: Project Name: Plant Bowen Land Fill Project Number:		Section C Invoice Information: Attention: Southern Co. Company Name: Address: City/State: Project Manager: Kevin Herring Plant Project: Plant Profile #: 2828	
REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>			Site Location: GA STATE:		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9, /) Sample IDs MUST BE UNIQUE	Matrix Codes GRAV-30 GWC-36R GWA-37 GWA-38 GWC-18R GWC-19R GWC-20R GWC-21R GWC-22R	Matrix Code (see valid codes to left)	Sample Type (G=GRAB C=COMP)	COLLECTED		Sample Temp at Collection	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH: 7.07 pH: 7.19
					DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl				
1	GWA-30																	
2	GWA-36R																	
3	GWA-37																	
4	GWA-38																	
5	GWC-18R																	
6	GWC-19R																	
7	GWC-20R																	
8	GWC-21R																	
9	GWC-22R																	
10																		
11																		
12																		

State Metals: Sb, As, Ba, Be, Cd, Cr, G, G-C, Hg, Ni, Se, Ag, Tl, V, Zn Will Locker / Resolute Cindy Morris B W / Pace 9/9/20 2:10 9/9/20 14:43:18 5:00 9/9/20 5:00	DATE TIME DATE TIME DATE TIME DATE TIME	REMOVED BY / AFFILIATION ACCEPTED BY / AFFILIATION DATE SIGNED (MM/DD/YYYY)	DATE TIME DATE TIME DATE TIME DATE TIME	SAMPLE CONDITIONS Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)
---	--	--	--	---

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

FALL-Q-020REV.07.16-F-00-2007

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188
 Email To: Kevin.Stephenson@Resoluteenv.com
 Phone: (678)5489415
 Requested Data Format: 10 Day

Section B
Required Project Information:

Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Purchase Order No.:
 Project Name: Part Bowen Land Fill
 Project Number:

Section C
Invoice Information:

Attention: Southern Co.
 Company Name:
 Address:
 POC Name:
 Reference:
 Project Name:
 Invoice #:
 Pace Profile #: 2928

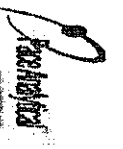
Page: 2 of 3

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location: _____
 STATE: GA

ITEM #	Section D Prepared Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW WASTE WATER PRODUCT SOL/SOLID P OIL OIL SP MIL MIL WP MISC MISC OTHER OTHER	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
					DATE	TIME						
1	GWA-29R											
2	GWA-29R											
3	GWA-29R											
4	GWA-51R2											
5	GWA-52											
6	GWA-53											
7	GWA-53R											
8	GWA-54											
9	GWA-55											
10	GWA-55R											
11	GWA-56											
12	93-1											

REQUISITIONED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Will Locker / Resolute	9/8	5:00	Gandy Manda	9/8	5:00	
Gandy Manda / Pace	9/9	10:30	Joe Beth	9/9	10:30	
Gandy Manda / Pace	9/9	2:43	Veronica Fey	9/9	10:30	
	9/10	1:18		9/10	1:18	

Temp in °C _____
 Received on Ice (Y/N) _____
 Custody Sealed Cooler (Y/N) _____
 Samples Intact (Y/N) _____



CHAIN-OF-CUSTODY / Analytical Request Document
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Page: 3 of 3

Section A Requested Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company:	GA Power	Report To:	Kevin Stephenson	Attention:	Southern Co.
Address:	1003 Weatherstone Parkway	Copy To:	Rhonda Quinn	Company Name:	
City:	Woodstock, Ga 30188	Purchase Order No.:		Address:	
Email To:	Kevin.Stephenson@Resoluteenv.com	Project Name:	Plant Bowen Land Fill	Paco Queue Reference:	Kevin Henning
Phone:	(678)5489415	Project Number:		Paco Project Manager:	2928
Requested Due Date/TAT:	10 Day			Paco Profile #:	2928

ITEM #	Section D Requested Client Information	Valid Matrix Codes	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
					DATE	TIME						
1	DUP-4	DW										
2	DUP-2	WV										
3	DUP-3	WW										
4	FBL090820	SL	9/8/20	16:15			3			Cl, F, SO4		
5	EQBL090820	SL	9/8/20	16:20			3			Metals 60207470	Y	42494171
6	FBL	SL					2			TDS		
7	EQBL	SL					1			State Metals		
8	FBL	SL										
9	FBL	SL										
10		SL										
11		SL										
12		SL										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
State Metals: Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, Zn	Will Locker / Resolute	9/8	5:00	Kevin Henning / Paco	9/8	5:00	
	Condey / Paco	9/9	10:30	Kevin Henning / Paco	9/9	10:30	
	Kevin Henning / Paco	9/9	2:43	Kevin Henning / Paco	9/9	10:43	

SAMPLER NAME AND SIGNATURE:	
PRINT Name of SAMPLER: Will Locker / Resolute	DATE Signed: 9/8/20
SIGNATURE of SAMPLER: [Signature]	LABORATORY: 9/8/20



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Required Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188

Section B
 Required Project Information:
 Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Franchise Order No.:
 Project Name: Plant Bowen Land Fill
 Project Number:

Section C
 Invoice Information:
 Address: Southern Co.
 Company Name:
 Address:
 Reference: Kevin Harting
 Project Manager:
 Plant Order #: 2928

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER CER

Site Location
 STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes METALS DIESEL WATER WASTED WATER WASTEWATER PRODUCT RESIDUAL OIL WIFE AIR OTHER TSS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Face Project No./Lab ID.	
					DATE	TIME								
1	GWA-36													
2	GWA-36R													
3	GWA-37													
4	GWA-38													
5	GWC-16R		WT G	9/9/20	118		3	2	1	X	X	X	7.08	021
6	GWC-17R		WT G	9/9/20	1046		3	2	1	X	X	X	7.24	022
7	GWC-18		WT G	9/9/20	1439		3	2	1	X	X	X	6.63	023
8	GWC-18R		WT G	9/9/20	1310		3	2	1	X	X	X	7.81	024
9	GWC-19R		WT G	9/9/20	1345		3	2	1	X	X	X	7.67	025
10	GWE-20R													
11	GWE-24R													
12	GWC-22R													

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS	
State Metals include: Sb, As, Ba, Be, Cd, Co, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Co		DATE	TIME	DATE	TIME	Temp in °C	Received on Ice (Y/N)
	Vernica Fay	9/9	5:00	9/9	5:00		
	Cindy Mendi	9/9	11:20	9/9	11:20		
	Gene Williams	9/11/20	12:50	9/11/20	12:50		

SAMPLER NAME AND SIGNATURE

FRONT Name of SAMPLER: Vernica Fay, Joe Booth
 SIGNATURE of SAMPLER: Vernica Fay
 DATE Signed (MM/DD/YY): 9/9/20

Temp in °C: _____
 Received on Ice (Y/N): _____
 Custody Sealed Cooler (Y/N): _____
 Samples Intact (Y/N): _____

Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.
 F-ALL-Q-020REV.07.15-Feb-2007

CHAIN-OF-CUSTODY / Analytical Request Document

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Permitted

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Requested Date Delivered: 10 Day	Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn Purchase Order No.: Project Name: Plant Bowen Land Fill Project Number:
Section C Physics Information: Address: Company Name: Attention: Southern Co. PACE Project Manager: Pace Profile #: 2928	REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> Site Location: GA STATE:

ITEM #	Requested Client Information	Valid Matrix Codes	Matrix Code	Sample Type	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
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ITEM #	Requested Client Information	Valid Matrix Codes	Matrix Code	Sample Type	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	
1	GWC-23R	DIY WASTE WATER PRODUCT SOLIDS SLURRY AIR OTHER TSS	WT 3	G	9/19/20	10:21				3	Unpreserved	CI, F, SO4			7.12	50	Y	Y	Y	
2	GWC-24R		WT 6	G	9/19/20	11:15				2		Metals 6020/7470, App III			7.22	50	Y	Y	Y	
3	GWC-25R		WT 5	G	9/19/20	09:55				3		State Metals			7.59	50	Y	Y	Y	
4	GWA-51RZ									2										
5	GWA-52									1										
6	GWA-59									1										
7	GWA-59R									1										
8	GWA-34																			
9	GWA-55																			
10	GWA-55R																			
11	GWA-58																			
12	SS-1																			

Section D Additional Comments: Site Metals include: Sb, As, Be, Cd, Co, Cr, Cu, Pb, Ni, Se, Ag, Ti, V, Zn, Cs Relinquished by / Affiliation: Veronica Foy Date: 9/19 Time: 5:00 Accepted by / Affiliation: Candy Maddox Date: 9/19 Time: 5:00 Relinquished by / Affiliation: Veronica Foy Date: 9/19 Time: 5:00 Accepted by / Affiliation: Candy Maddox Date: 9/19 Time: 5:00 Relinquished by / Affiliation: Veronica Foy Date: 9/19 Time: 5:00 Accepted by / Affiliation: Candy Maddox Date: 9/19 Time: 5:00	Regulatory Agency: NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> Site Location: GA STATE:
--	---

Handwritten: 9/19/20

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: **3** of **3**

Section A Required Client Information:		Section B Required Project Information:		Section C Invoicing Information:	
Company: GA Power	Address: 1003 Weatherstone Parkway Woodstock, Ga 30188	Report To: Kevin Stephenson	Copy To: Rhonda Quinn	Admission: Southam Co.	Company Name:
Email To: Kevin.Stephenson@resoluteenv.com	Purchase Order No.:	Project Name: Plant Bowen Land Fill	Project Number:	Address:	Site Location:
Phone: (678)5489415	Fax:	Project Name: Plant Bowen Land Fill	Project Number:	State Profile #: 2928	STATE: GA
Requested Date Data/FAT: 10 Day					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No/ Lab ID.
					DATE	TIME	DATE			TIME	DATE	TIME	DATE	TIME	DATE	TIME				
1	DUP-1	WASTE WATER WASTE WATER PRODUCT SOL/SOLID OIL WASTE AM OTHER TISSUE																		
2	DUP-2																			
3	DUP-3																			
4	FBL 090920		WT G	9/19/20	1535			3	2	1									024	
5	EOBL 090920		WT G	9/19/20	1540			3	2	1									030	
6	FBL																			
7	EOBL																			
8	FBL																			
9																				
10																				
11																				
12																				

Section D Additional Comments:		Section E Relinquished By / Affiliation		Section F Date		Section G Time		Section H Accepted By / Affiliation		Section I Date		Section J Time		Section K Sample Comments	
State Metals include: Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Hb, Ni, Se, Ag, Tl, V, Zn, Co		Veronica Fay		9/19		5:00		Cindy Morris		9/19		5:00			
		Cindy Morris		9/19		11:20		Ryan Williams		9/19		11:20			
		Ryan Williams		9/19		1:05		Rhonda Quinn		9/19		12:50			

SAMPLER NAME AND SIGNATURE		DATE SIGNED (RANDOMLY)		Temp in °C		Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (N/A)	
PRINT Name of SAMPLER: Veronica Fay		9/19/20									
SIGNATURE of SAMPLER: <i>Veronica Fay</i>											

November 03, 2020

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 11, 2020 and September 18, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Herring
kevin.herring@pacelabs.com
1(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Michelle Barker, WOOD E&I
Kristen Jurinko
Ms. Lauren Petty, Southern Co. Services
Rhonda Quinn, WOOD E&I
Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

Louisiana/NELAP Certification # LA170028

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

Massachusetts Certification #: M-NC030

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92495047001	GWA-39Z	Water	09/10/20 10:50	09/11/20 11:20
92495047002	GWA-41	Water	09/10/20 13:07	09/11/20 11:20
92495047003	GWA-41R	Water	09/10/20 11:05	09/11/20 11:20
92495047004	GWA-42	Water	09/10/20 15:07	09/11/20 11:20
92495047005	FBL091020	Water	09/10/20 16:08	09/11/20 11:20
92495047006	GWA-40	Water	09/11/20 10:02	09/11/20 16:23
92495047007	GWA-43	Water	09/11/20 13:51	09/11/20 16:23
92495047008	GWC-45	Water	09/11/20 14:01	09/11/20 16:23
92495047009	GWC-45R	Water	09/11/20 12:00	09/11/20 16:23
92495047010	GWC-49R	Water	09/11/20 13:27	09/11/20 16:23
92495047011	DUP-1	Water	09/11/20 00:00	09/11/20 16:23
92495047012	FBL091120	Water	09/11/20 14:26	09/11/20 16:23
92495047013	GWA-39RZ	Water	09/16/20 09:30	09/18/20 13:00
92495047014	FBL091620	Water	09/16/20 16:54	09/18/20 13:00
92495047015	EQBL091620	Water	09/16/20 16:56	09/18/20 13:00
92494171032	GWA-43R	Water	09/14/20 09:59	09/16/20 09:25
92494171033	GWC-46R	Water	09/14/20 15:23	09/16/20 09:25
92494171034	GWC-47	Water	09/14/20 14:24	09/16/20 09:25
92494171035	GWC-48	Water	09/14/20 14:18	09/16/20 09:25
92494171036	GWC-49Z	Water	09/14/20 11:51	09/16/20 09:25
92494171037	DUP-2	Water	09/14/20 00:00	09/16/20 09:25
92494171038	FBL091420	Water	09/14/20 16:26	09/16/20 09:25
92494171039	GWC-44	Water	09/15/20 12:54	09/16/20 09:25
92494171040	GWC-47R	Water	09/15/20 10:50	09/16/20 09:25
92494171041	FBL091520	Water	09/15/20 16:23	09/16/20 09:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92495047001	GWA-39Z	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495047002	GWA-41	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495047003	GWA-41R	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495047004	GWA-42	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495047005	FBL091020	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495047006	GWA-40	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495047007	GWA-43	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495047008	GWC-45	EPA 6010D	KH	2
		EPA 6020B	CW1	15

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92495047009	GWC-45R	EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92495047010	GWC-49R	SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92495047011	DUP-1	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92495047012	FBL091120	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
92495047013	GWA-39RZ	EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
92495047014	FBL091620	EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
92495047015	EQBL091620	SM 2450C-2011	ALW	1
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	FFP	1
		SM 2450C-2011	ALW	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92494171032	GWA-43R	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171033	GWC-46R	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171034	GWC-47	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171035	GWC-48	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171036	GWC-49Z	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171037	DUP-2	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171038	FBL091420	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
92494171039	GWC-44	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92494171040	GWC-47R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
92494171041	FBL091520	EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

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REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495047001	GWA-39Z					
	pH	5.53	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	1.0	mg/L	1.0	09/14/20 20:06	
EPA 6020B	Antimony	0.00030J	mg/L	0.0030	09/15/20 16:25	
EPA 6020B	Barium	0.0042J	mg/L	0.010	09/15/20 16:25	
SM 2450C-2011	Total Dissolved Solids	16.0	mg/L	10.0	09/14/20 13:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	09/12/20 22:30	
EPA 300.0 Rev 2.1 1993	Sulfate	0.95J	mg/L	1.0	09/12/20 22:30	
92495047002	GWA-41					
	pH	6.40	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	13.5	mg/L	1.0	09/14/20 20:10	
EPA 6020B	Barium	0.024	mg/L	0.010	09/15/20 16:31	
SM 2450C-2011	Total Dissolved Solids	35.0	mg/L	10.0	09/14/20 13:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	09/12/20 22:45	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	09/12/20 22:45	
92495047003	GWA-41R					
	pH	6.67	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	22.9	mg/L	1.0	09/14/20 20:14	
EPA 6020B	Antimony	0.0019J	mg/L	0.0030	09/15/20 16:36	
EPA 6020B	Barium	0.031	mg/L	0.010	09/15/20 16:36	
EPA 6020B	Boron	0.016J	mg/L	0.10	09/15/20 16:36	
SM 2450C-2011	Total Dissolved Solids	111	mg/L	10.0	09/14/20 13:53	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	09/12/20 23:00	
EPA 300.0 Rev 2.1 1993	Sulfate	5.9	mg/L	1.0	09/12/20 23:00	
92495047004	GWA-42					
	pH	7.48	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	31.1	mg/L	1.0	09/14/20 20:19	
EPA 6010D	Zinc	0.0073J	mg/L	0.020	09/14/20 20:19	
EPA 6020B	Barium	0.0059J	mg/L	0.010	09/15/20 16:42	
EPA 6020B	Beryllium	0.00014J	mg/L	0.0030	09/15/20 16:42	
EPA 6020B	Cadmium	0.00015J	mg/L	0.0025	09/15/20 16:42	
EPA 6020B	Nickel	0.0011J	mg/L	0.010	09/15/20 16:42	
SM 2450C-2011	Total Dissolved Solids	120	mg/L	10.0	09/14/20 13:53	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	09/12/20 23:45	
EPA 300.0 Rev 2.1 1993	Sulfate	0.95J	mg/L	1.0	09/12/20 23:45	
92495047005	FBL091020					
SM 2450C-2011	Total Dissolved Solids	15.0	mg/L	10.0	09/14/20 13:53	
92495047006	GWA-40					
	pH	6.98	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	17.7	mg/L	1.0	09/15/20 18:56	
EPA 6020B	Barium	0.0079J	mg/L	0.010	09/17/20 16:20	
SM 2450C-2011	Total Dissolved Solids	102	mg/L	10.0	09/16/20 14:21	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	09/15/20 16:10	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	09/15/20 16:10	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495047007	GWA-43					
	pH	6.25	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	9.0	mg/L	1.0	09/15/20 19:00	
EPA 6020B	Barium	0.024	mg/L	0.010	09/17/20 16:26	
EPA 6020B	Beryllium	0.000069J	mg/L	0.0030	09/17/20 16:26	
EPA 6020B	Lead	0.000046J	mg/L	0.0050	09/17/20 16:26	
EPA 6020B	Nickel	0.00089J	mg/L	0.010	09/17/20 16:26	
SM 2450C-2011	Total Dissolved Solids	31.0	mg/L	10.0	09/16/20 14:21	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	09/15/20 16:25	
92495047008	GWC-45					
	pH	4.91	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	0.81J	mg/L	1.0	09/15/20 19:04	
EPA 6020B	Antimony	0.0076	mg/L	0.0030	09/17/20 16:32	
EPA 6020B	Barium	0.0060J	mg/L	0.010	09/17/20 16:32	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	09/17/20 16:32	
EPA 6020B	Lead	0.00012J	mg/L	0.0050	09/17/20 16:32	
EPA 6020B	Nickel	0.00099J	mg/L	0.010	09/17/20 16:32	
SM 2450C-2011	Total Dissolved Solids	11.0	mg/L	10.0	09/16/20 14:22	
EPA 300.0 Rev 2.1 1993	Chloride	0.79J	mg/L	1.0	09/15/20 16:40	
92495047009	GWC-45R					
	pH	7.26	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	35.3	mg/L	1.0	09/15/20 19:09	
EPA 6020B	Antimony	0.00043J	mg/L	0.0030	09/17/20 17:25	
EPA 6020B	Barium	0.021	mg/L	0.010	09/17/20 17:25	
EPA 6020B	Beryllium	0.000056J	mg/L	0.0030	09/17/20 17:25	
EPA 6020B	Boron	0.0056J	mg/L	0.10	09/17/20 17:25	
EPA 6020B	Chromium	0.00067J	mg/L	0.010	09/17/20 17:25	
SM 2450C-2011	Total Dissolved Solids	146	mg/L	10.0	09/16/20 14:22	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	09/15/20 16:55	
EPA 300.0 Rev 2.1 1993	Sulfate	2.8	mg/L	1.0	09/15/20 16:55	
92495047010	GWC-49R					
	pH	8.00	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	24.7	mg/L	1.0	09/15/20 19:13	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	09/17/20 17:48	
EPA 6020B	Barium	0.012	mg/L	0.010	09/17/20 17:48	
EPA 6020B	Boron	0.0057J	mg/L	0.10	09/17/20 17:48	
SM 2450C-2011	Total Dissolved Solids	127	mg/L	10.0	09/16/20 14:22	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	09/15/20 18:10	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	09/15/20 18:10	
92495047011	DUP-1					
EPA 6010D	Calcium	17.4	mg/L	1.0	09/15/20 19:17	
EPA 6020B	Antimony	0.00032J	mg/L	0.0030	09/17/20 17:54	
EPA 6020B	Barium	0.0083J	mg/L	0.010	09/17/20 17:54	
EPA 6020B	Chromium	0.00069J	mg/L	0.010	09/17/20 17:54	
EPA 6020B	Copper	0.0021J	mg/L	0.025	09/17/20 17:54	
EPA 6020B	Lead	0.00040J	mg/L	0.0050	09/17/20 17:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92495047011	DUP-1					
SM 2450C-2011	Total Dissolved Solids	86.0	mg/L	10.0	09/16/20 14:22	
EPA 300.0 Rev 2.1 1993	Chloride	0.81J	mg/L	1.0	09/15/20 18:25	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	09/15/20 18:25	
92495047013	GWA-39RZ					
	pH	7.68	Std. Units		09/22/20 12:28	
EPA 6010D	Calcium	34.9	mg/L	1.0	09/22/20 22:24	
EPA 6020B	Antimony	0.0028J	mg/L	0.0030	09/23/20 20:22	
EPA 6020B	Barium	0.027	mg/L	0.010	09/23/20 20:22	
EPA 6020B	Boron	0.015J	mg/L	0.10	09/24/20 14:20	
EPA 6020B	Chromium	0.00058J	mg/L	0.010	09/23/20 20:22	
EPA 6020B	Lead	0.00050J	mg/L	0.0050	09/23/20 20:22	
SM 2450C-2011	Total Dissolved Solids	156	mg/L	10.0	09/21/20 16:28	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	09/22/20 00:05	
EPA 300.0 Rev 2.1 1993	Sulfate	8.6	mg/L	1.0	09/22/20 00:05	
92495047015	EQBL091620					
SM 2450C-2011	Total Dissolved Solids	12.0	mg/L	10.0	09/21/20 16:28	
92494171032	GWA-43R					
	pH	7.76	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	31.0	mg/L	1.0	09/17/20 21:35	M1
EPA 6020B	Barium	0.0075J	mg/L	0.010	09/21/20 17:23	
EPA 6020B	Boron	0.018J	mg/L	0.10	09/21/20 17:23	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	09/21/20 17:23	
EPA 6020B	Lead	0.000066J	mg/L	0.0050	09/21/20 17:23	
SM 2450C-2011	Total Dissolved Solids	146	mg/L	10.0	09/17/20 15:22	
EPA 300.0 Rev 2.1 1993	Chloride	3.3	mg/L	1.0	09/17/20 16:20	
EPA 300.0 Rev 2.1 1993	Sulfate	4.9	mg/L	1.0	09/17/20 16:20	
92494171033	GWC-46R					
	pH	7.43	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	40.2	mg/L	1.0	09/17/20 21:52	
EPA 6020B	Barium	0.013	mg/L	0.010	09/21/20 17:29	
EPA 6020B	Chromium	0.0060J	mg/L	0.010	09/21/20 17:29	
SM 2450C-2011	Total Dissolved Solids	232	mg/L	10.0	09/17/20 15:23	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	09/17/20 17:04	
EPA 300.0 Rev 2.1 1993	Sulfate	6.9	mg/L	1.0	09/17/20 17:04	
92494171034	GWC-47					
	pH	7.54	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	20.9	mg/L	1.0	09/17/20 21:56	
EPA 6010D	Zinc	0.032	mg/L	0.020	09/17/20 21:56	
EPA 6020B	Barium	0.0082J	mg/L	0.010	09/21/20 17:35	
EPA 6020B	Cadmium	0.00014J	mg/L	0.0025	09/21/20 17:35	
EPA 6020B	Chromium	0.0022J	mg/L	0.010	09/21/20 17:35	
SM 2450C-2011	Total Dissolved Solids	129	mg/L	10.0	09/17/20 15:23	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	09/17/20 17:19	
EPA 300.0 Rev 2.1 1993	Sulfate	4.3	mg/L	1.0	09/17/20 17:19	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92494171035	GWC-48					
	pH	5.00	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	3.5	mg/L	1.0	09/17/20 22:01	
EPA 6010D	Zinc	0.0076J	mg/L	0.020	09/17/20 22:01	
EPA 6020B	Barium	0.035	mg/L	0.010	09/21/20 17:40	
EPA 6020B	Beryllium	0.00033J	mg/L	0.0030	09/21/20 17:40	
EPA 6020B	Cadmium	0.00019J	mg/L	0.0025	09/21/20 17:40	
EPA 6020B	Chromium	0.0024J	mg/L	0.010	09/21/20 17:40	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	09/21/20 17:40	
EPA 6020B	Nickel	0.0046J	mg/L	0.010	09/21/20 17:40	
EPA 7470A	Mercury	0.00015J	mg/L	0.00050	09/18/20 13:29	
SM 2450C-2011	Total Dissolved Solids	47.0	mg/L	10.0	09/17/20 15:23	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	09/17/20 17:34	
EPA 300.0 Rev 2.1 1993	Sulfate	5.4	mg/L	1.0	09/17/20 17:34	
92494171036	GWC-49Z					
	pH	5.32	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	0.65J	mg/L	1.0	09/17/20 22:05	
EPA 6010D	Zinc	0.0042J	mg/L	0.020	09/17/20 22:05	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	09/21/20 17:46	
EPA 6020B	Barium	0.0027J	mg/L	0.010	09/21/20 17:46	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	09/21/20 17:46	
EPA 6020B	Lead	0.000078J	mg/L	0.0050	09/21/20 17:46	
EPA 6020B	Nickel	0.0014J	mg/L	0.010	09/21/20 17:46	
SM 2450C-2011	Total Dissolved Solids	25.0	mg/L	10.0	09/17/20 15:23	
EPA 300.0 Rev 2.1 1993	Chloride	0.98J	mg/L	1.0	09/17/20 17:49	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	09/17/20 17:49	
92494171037	DUP-2					
EPA 6010D	Calcium	22.2	mg/L	1.0	09/17/20 22:18	
EPA 6010D	Zinc	0.032	mg/L	0.020	09/17/20 22:18	
EPA 6020B	Barium	0.0081J	mg/L	0.010	09/21/20 18:03	
EPA 6020B	Chromium	0.0017J	mg/L	0.010	09/21/20 18:03	
SM 2450C-2011	Total Dissolved Solids	97.0	mg/L	10.0	09/17/20 15:25	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	09/17/20 18:04	
EPA 300.0 Rev 2.1 1993	Sulfate	4.4	mg/L	1.0	09/17/20 18:04	
92494171039	GWC-44					
	pH	4.46	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	8.3	mg/L	1.0	09/17/20 22:26	
EPA 6010D	Zinc	0.0062J	mg/L	0.020	09/17/20 22:26	
EPA 6020B	Barium	0.035	mg/L	0.010	09/21/20 18:15	
EPA 6020B	Beryllium	0.000057J	mg/L	0.0030	09/21/20 18:15	
EPA 6020B	Boron	0.0089J	mg/L	0.10	09/21/20 18:15	
EPA 6020B	Cobalt	0.0015J	mg/L	0.0050	09/21/20 18:15	
EPA 6020B	Lead	0.00045J	mg/L	0.0050	09/21/20 18:15	
SM 2450C-2011	Total Dissolved Solids	56.0	mg/L	10.0	09/17/20 15:26	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	09/17/20 19:04	
EPA 300.0 Rev 2.1 1993	Sulfate	23.1	mg/L	1.0	09/17/20 19:04	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92494171040	GWC-47R					
	pH	7.64	Std. Units		09/22/20 07:45	
EPA 6010D	Calcium	31.6	mg/L	1.0	09/17/20 22:31	
EPA 6010D	Zinc	0.028	mg/L	0.020	09/17/20 22:31	
EPA 6020B	Antimony	0.00053J	mg/L	0.0030	09/21/20 18:21	
EPA 6020B	Barium	0.0084J	mg/L	0.010	09/21/20 18:21	
EPA 6020B	Chromium	0.0017J	mg/L	0.010	09/21/20 18:21	
EPA 6020B	Thallium	0.00016J	mg/L	0.0010	09/21/20 18:21	
SM 2450C-2011	Total Dissolved Solids	108	mg/L	10.0	09/17/20 15:30	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	09/17/20 19:19	
EPA 300.0 Rev 2.1 1993	Sulfate	9.6	mg/L	1.0	09/17/20 19:19	
92494171041	FBL091520					
SM 2450C-2011	Total Dissolved Solids	13.0	mg/L	10.0	09/17/20 15:30	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWA-39Z		Lab ID: 92495047001		Collected: 09/10/20 10:50		Received: 09/11/20 11:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	5.53	Std. Units			1		09/22/20 12:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	1.0	mg/L	1.0	0.070	1	09/14/20 13:15	09/14/20 20:06	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/14/20 13:15	09/14/20 20:06	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00030J	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:25	7440-38-2	
Barium	0.0042J	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:25	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:25	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:25	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:25	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:25	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:25	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:25	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:25	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:25	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:02	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	16.0	mg/L	10.0	10.0	1		09/14/20 13:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		09/12/20 22:30	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/12/20 22:30	16984-48-8	
Sulfate	0.95J	mg/L	1.0	0.50	1		09/12/20 22:30	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWA-41 **Lab ID: 92495047002** Collected: 09/10/20 13:07 Received: 09/11/20 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

pH	6.40	Std. Units			1		09/22/20 12:28		
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6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	13.5	mg/L	1.0	0.070	1	09/14/20 13:15	09/14/20 20:10	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/14/20 13:15	09/14/20 20:10	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:31	7440-38-2	
Barium	0.024	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:31	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:31	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:31	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:31	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:31	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:31	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:31	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:31	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:31	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:31	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:04	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	35.0	mg/L	10.0	10.0	1		09/14/20 13:52		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.2	mg/L	1.0	0.60	1		09/12/20 22:45	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/12/20 22:45	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		09/12/20 22:45	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWA-41R **Lab ID: 92495047003** Collected: 09/10/20 11:05 Received: 09/11/20 11:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.67	Std. Units			1		09/22/20 12:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	22.9	mg/L	1.0	0.070	1	09/14/20 13:15	09/14/20 20:14	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/14/20 13:15	09/14/20 20:14	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0019J	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:36	7440-38-2	
Barium	0.031	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:36	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:36	7440-41-7	
Boron	0.016J	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:36	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:36	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:36	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:36	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:36	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:36	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:36	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:07	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	111	mg/L	10.0	10.0	1		09/14/20 13:53		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		09/12/20 23:00	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/12/20 23:00	16984-48-8	
Sulfate	5.9	mg/L	1.0	0.50	1		09/12/20 23:00	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWA-42 **Lab ID: 92495047004** Collected: 09/10/20 15:07 Received: 09/11/20 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

pH	7.48	Std. Units			1		09/22/20 12:28		
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6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	31.1	mg/L	1.0	0.070	1	09/14/20 13:15	09/14/20 20:19	7440-70-2	
Zinc	0.0073J	mg/L	0.020	0.0035	1	09/14/20 13:15	09/14/20 20:19	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:42	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:42	7440-38-2	
Barium	0.0059J	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:42	7440-39-3	
Beryllium	0.00014J	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:42	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:42	7440-42-8	
Cadmium	0.00015J	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:42	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:42	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:42	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:42	7439-92-1	
Nickel	0.0011J	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:42	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:42	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:42	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:09	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2450C-2011
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	120	mg/L	10.0	10.0	1		09/14/20 13:53		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.0	mg/L	1.0	0.60	1		09/12/20 23:45	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/12/20 23:45	16984-48-8	
Sulfate	0.95J	mg/L	1.0	0.50	1		09/12/20 23:45	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Sample: FBL091020		Lab ID: 92495047005		Collected: 09/10/20 16:08	Received: 09/11/20 11:20	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 17:11	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 17:11	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/14/20 13:58	09/15/20 16:48	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/14/20 13:58	09/15/20 16:48	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/14/20 13:58	09/15/20 16:48	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/14/20 13:58	09/15/20 16:48	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/14/20 13:58	09/15/20 16:48	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/14/20 13:58	09/15/20 16:48	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/14/20 13:58	09/15/20 16:48	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/14/20 13:58	09/15/20 16:48	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/14/20 13:58	09/15/20 16:48	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/14/20 13:58	09/15/20 16:48	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/14/20 13:58	09/15/20 16:48	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/14/20 13:58	09/15/20 16:48	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/14/20 13:58	09/15/20 16:48	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/14/20 13:58	09/15/20 16:48	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/14/20 13:58	09/15/20 16:48	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:11	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	15.0	mg/L	10.0	10.0	1		09/14/20 13:53			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/13/20 00:00	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/13/20 00:00	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/13/20 00:00	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: **GWA-40** Lab ID: **92495047006** Collected: 09/11/20 10:02 Received: 09/11/20 16:23 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.98	Std. Units			1		09/22/20 12:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	17.7	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 18:56	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 18:56	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/15/20 10:45	09/17/20 16:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 10:45	09/17/20 16:20	7440-38-2	
Barium	0.0079J	mg/L	0.010	0.00071	1	09/15/20 10:45	09/17/20 16:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/15/20 10:45	09/17/20 16:20	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/15/20 10:45	09/17/20 16:20	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 10:45	09/17/20 16:20	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/15/20 10:45	09/17/20 16:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 10:45	09/17/20 16:20	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 10:45	09/17/20 16:20	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/15/20 10:45	09/17/20 16:20	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/15/20 10:45	09/17/20 16:20	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 10:45	09/17/20 16:20	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 10:45	09/17/20 16:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 10:45	09/17/20 16:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 10:45	09/17/20 16:20	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:14	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	102	mg/L	10.0	10.0	1		09/16/20 14:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.77J	mg/L	1.0	0.60	1		09/15/20 16:10	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 16:10	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		09/15/20 16:10	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Sample: GWA-43 **Lab ID: 92495047007** Collected: 09/11/20 13:51 Received: 09/11/20 16:23 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.25	Std. Units			1		09/22/20 12:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	9.0	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 19:00	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 19:00	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/15/20 10:45	09/17/20 16:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 10:45	09/17/20 16:26	7440-38-2	
Barium	0.024	mg/L	0.010	0.00071	1	09/15/20 10:45	09/17/20 16:26	7440-39-3	
Beryllium	0.000069J	mg/L	0.0030	0.000046	1	09/15/20 10:45	09/17/20 16:26	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/15/20 10:45	09/17/20 16:26	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 10:45	09/17/20 16:26	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/15/20 10:45	09/17/20 16:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 10:45	09/17/20 16:26	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 10:45	09/17/20 16:26	7440-50-8	
Lead	0.000046J	mg/L	0.0050	0.000036	1	09/15/20 10:45	09/17/20 16:26	7439-92-1	
Nickel	0.00089J	mg/L	0.010	0.00069	1	09/15/20 10:45	09/17/20 16:26	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 10:45	09/17/20 16:26	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 10:45	09/17/20 16:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 10:45	09/17/20 16:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 10:45	09/17/20 16:26	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:16	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	31.0	mg/L	10.0	10.0	1		09/16/20 14:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		09/15/20 16:25	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 16:25	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/15/20 16:25	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWC-45		Lab ID: 92495047008		Collected: 09/11/20 14:01		Received: 09/11/20 16:23		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	4.91	Std. Units			1		09/22/20 12:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	0.81J	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 19:04	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 19:04	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0076	mg/L	0.0030	0.00028	1	09/15/20 10:45	09/17/20 16:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 10:45	09/17/20 16:32	7440-38-2	
Barium	0.0060J	mg/L	0.010	0.00071	1	09/15/20 10:45	09/17/20 16:32	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/15/20 10:45	09/17/20 16:32	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/15/20 10:45	09/17/20 16:32	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 10:45	09/17/20 16:32	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/15/20 10:45	09/17/20 16:32	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00038	1	09/15/20 10:45	09/17/20 16:32	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 10:45	09/17/20 16:32	7440-50-8	
Lead	0.00012J	mg/L	0.0050	0.000036	1	09/15/20 10:45	09/17/20 16:32	7439-92-1	
Nickel	0.00099J	mg/L	0.010	0.00069	1	09/15/20 10:45	09/17/20 16:32	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 10:45	09/17/20 16:32	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 10:45	09/17/20 16:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 10:45	09/17/20 16:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 10:45	09/17/20 16:32	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:18	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	11.0	mg/L	10.0	10.0	1		09/16/20 14:22		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.79J	mg/L	1.0	0.60	1		09/15/20 16:40	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 16:40	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/15/20 16:40	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWC-45R		Lab ID: 92495047009		Collected: 09/11/20 12:00		Received: 09/11/20 16:23		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.26	Std. Units			1		09/22/20 12:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	35.3	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 19:09	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 19:09	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00043J	mg/L	0.0030	0.00028	1	09/15/20 14:00	09/17/20 17:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 14:00	09/17/20 17:25	7440-38-2	
Barium	0.021	mg/L	0.010	0.00071	1	09/15/20 14:00	09/17/20 17:25	7440-39-3	
Beryllium	0.000056J	mg/L	0.0030	0.000046	1	09/15/20 14:00	09/17/20 17:25	7440-41-7	
Boron	0.0056J	mg/L	0.10	0.0052	1	09/15/20 14:00	09/17/20 17:25	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 14:00	09/17/20 17:25	7440-43-9	
Chromium	0.00067J	mg/L	0.010	0.00055	1	09/15/20 14:00	09/17/20 17:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 14:00	09/17/20 17:25	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 14:00	09/17/20 17:25	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/15/20 14:00	09/17/20 17:25	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/15/20 14:00	09/17/20 17:25	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 14:00	09/17/20 17:25	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 14:00	09/17/20 17:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 14:00	09/17/20 17:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 14:00	09/17/20 17:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	146	mg/L	10.0	10.0	1		09/16/20 14:22		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		09/15/20 16:55	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 16:55	16984-48-8	
Sulfate	2.8	mg/L	1.0	0.50	1		09/15/20 16:55	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWC-49R		Lab ID: 92495047010		Collected: 09/11/20 13:27		Received: 09/11/20 16:23		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	8.00	Std. Units			1		09/22/20 12:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	24.7	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 19:13	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 19:13	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0011J	mg/L	0.0030	0.00028	1	09/15/20 14:00	09/17/20 17:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 14:00	09/17/20 17:48	7440-38-2	
Barium	0.012	mg/L	0.010	0.00071	1	09/15/20 14:00	09/17/20 17:48	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/15/20 14:00	09/17/20 17:48	7440-41-7	
Boron	0.0057J	mg/L	0.10	0.0052	1	09/15/20 14:00	09/17/20 17:48	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 14:00	09/17/20 17:48	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/15/20 14:00	09/17/20 17:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 14:00	09/17/20 17:48	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 14:00	09/17/20 17:48	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/15/20 14:00	09/17/20 17:48	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/15/20 14:00	09/17/20 17:48	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 14:00	09/17/20 17:48	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 14:00	09/17/20 17:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 14:00	09/17/20 17:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 14:00	09/17/20 17:48	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:52	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	127	mg/L	10.0	10.0	1		09/16/20 14:22		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		09/15/20 18:10	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 18:10	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		09/15/20 18:10	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: DUP-1		Lab ID: 92495047011		Collected: 09/11/20 00:00	Received: 09/11/20 16:23	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	17.4	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 19:17	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 19:17	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	0.00032J	mg/L	0.0030	0.00028	1	09/15/20 14:00	09/17/20 17:54	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 14:00	09/17/20 17:54	7440-38-2		
Barium	0.0083J	mg/L	0.010	0.00071	1	09/15/20 14:00	09/17/20 17:54	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/15/20 14:00	09/17/20 17:54	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/15/20 14:00	09/17/20 17:54	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 14:00	09/17/20 17:54	7440-43-9		
Chromium	0.00069J	mg/L	0.010	0.00055	1	09/15/20 14:00	09/17/20 17:54	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 14:00	09/17/20 17:54	7440-48-4		
Copper	0.0021J	mg/L	0.025	0.0017	1	09/15/20 14:00	09/17/20 17:54	7440-50-8		
Lead	0.00040J	mg/L	0.0050	0.000036	1	09/15/20 14:00	09/17/20 17:54	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/15/20 14:00	09/17/20 17:54	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 14:00	09/17/20 17:54	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 14:00	09/17/20 17:54	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 14:00	09/17/20 17:54	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 14:00	09/17/20 17:54	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:54	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	86.0	mg/L	10.0	10.0	1		09/16/20 14:22			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	0.81J	mg/L	1.0	0.60	1		09/15/20 18:25	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 18:25	16984-48-8		
Sulfate	1.3	mg/L	1.0	0.50	1		09/15/20 18:25	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: FBL091120		Lab ID: 92495047012		Collected: 09/11/20 14:26	Received: 09/11/20 16:23	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/15/20 10:45	09/15/20 19:26	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/15/20 10:45	09/15/20 19:26	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/15/20 14:00	09/17/20 18:05	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/15/20 14:00	09/17/20 18:05	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/15/20 14:00	09/17/20 18:05	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/15/20 14:00	09/17/20 18:05	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/15/20 14:00	09/17/20 18:05	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/15/20 14:00	09/17/20 18:05	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/15/20 14:00	09/17/20 18:05	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/15/20 14:00	09/17/20 18:05	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/15/20 14:00	09/17/20 18:05	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/15/20 14:00	09/17/20 18:05	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/15/20 14:00	09/17/20 18:05	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/15/20 14:00	09/17/20 18:05	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/15/20 14:00	09/17/20 18:05	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/15/20 14:00	09/17/20 18:05	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/15/20 14:00	09/17/20 18:05	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/14/20 14:30	09/15/20 11:57	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/16/20 14:22			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/15/20 18:40	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/15/20 18:40	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/15/20 18:40	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Sample: **GWA-39RZ** Lab ID: **92495047013** Collected: 09/16/20 09:30 Received: 09/18/20 13:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.68	Std. Units			1		09/22/20 12:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	34.9	mg/L	1.0	0.070	1	09/22/20 14:15	09/22/20 22:24	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/22/20 14:15	09/22/20 22:24	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0028J	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 20:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 20:22	7440-38-2	
Barium	0.027	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 20:22	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/24/20 14:20	7440-41-7	
Boron	0.015J	mg/L	0.10	0.0052	1	09/23/20 13:53	09/24/20 14:20	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 20:22	7440-43-9	
Chromium	0.00058J	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 20:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 20:22	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 20:22	7440-50-8	
Lead	0.00050J	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 20:22	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 20:22	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 20:22	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 20:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 20:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 20:22	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 09:37	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	156	mg/L	10.0	10.0	1		09/21/20 16:28		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		09/22/20 00:05	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 00:05	16984-48-8	
Sulfate	8.6	mg/L	1.0	0.50	1		09/22/20 00:05	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Sample: FBL091620		Lab ID: 92495047014		Collected: 09/16/20 16:54	Received: 09/18/20 13:00	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	ND	mg/L	1.0	0.070	1	09/22/20 14:15	09/22/20 22:32	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/22/20 14:15	09/22/20 22:32	7440-66-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 20:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 20:28	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 20:28	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/24/20 14:25	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/23/20 13:53	09/24/20 14:25	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 20:28	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 20:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 20:28	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 20:28	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 20:28	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 20:28	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 20:28	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 20:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 20:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 20:28	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 09:39	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/21/20 16:28		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		09/22/20 00:50	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 00:50	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/22/20 00:50	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: EQBL091620		Lab ID: 92495047015		Collected: 09/16/20 16:56		Received: 09/18/20 13:00		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/22/20 14:15	09/22/20 22:37	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/22/20 14:15	09/22/20 22:37	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/23/20 13:53	09/23/20 20:33	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/23/20 13:53	09/23/20 20:33	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/23/20 13:53	09/23/20 20:33	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/23/20 13:53	09/24/20 14:31	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/23/20 13:53	09/24/20 14:31	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/23/20 13:53	09/23/20 20:33	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/23/20 13:53	09/23/20 20:33	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/23/20 13:53	09/23/20 20:33	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/23/20 13:53	09/23/20 20:33	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/23/20 13:53	09/23/20 20:33	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/23/20 13:53	09/23/20 20:33	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/23/20 13:53	09/23/20 20:33	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/23/20 13:53	09/23/20 20:33	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/23/20 13:53	09/23/20 20:33	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/23/20 13:53	09/23/20 20:33	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/22/20 11:15	09/23/20 09:41	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	12.0	mg/L	10.0	10.0	1		09/21/20 16:28			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/22/20 01:05	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/22/20 01:05	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/22/20 01:05	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWA-43R		Lab ID: 92494171032		Collected: 09/14/20 09:59		Received: 09/16/20 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.76	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	31.0	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 21:35	7440-70-2	M1
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 21:35	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 17:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 17:23	7440-38-2	
Barium	0.0075J	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 17:23	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 17:23	7440-41-7	
Boron	0.018J	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 17:23	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 17:23	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 17:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 17:23	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 17:23	7440-50-8	
Lead	0.000066J	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 17:23	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 17:23	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 17:23	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 17:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 17:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 17:23	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	146	mg/L	10.0	10.0	1		09/17/20 15:22		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.3	mg/L	1.0	0.60	1		09/17/20 16:20	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 16:20	16984-48-8	
Sulfate	4.9	mg/L	1.0	0.50	1		09/17/20 16:20	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWC-46R		Lab ID: 92494171033		Collected: 09/14/20 15:23		Received: 09/16/20 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.43	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	40.2	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 21:52	7440-70-2	
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 21:52	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 17:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 17:29	7440-38-2	
Barium	0.013	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 17:29	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 17:29	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 17:29	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 17:29	7440-43-9	
Chromium	0.0060J	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 17:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 17:29	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 17:29	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 17:29	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 17:29	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 17:29	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 17:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 17:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 17:29	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:24	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	232	mg/L	10.0	10.0	1		09/17/20 15:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		09/17/20 17:04	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 17:04	16984-48-8	
Sulfate	6.9	mg/L	1.0	0.50	1		09/17/20 17:04	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Sample: **GWC-47** Lab ID: **92494171034** Collected: 09/14/20 14:24 Received: 09/16/20 09:25 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.54	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	20.9	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 21:56	7440-70-2	
Zinc	0.032	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 21:56	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 17:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 17:35	7440-38-2	
Barium	0.0082J	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 17:35	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 17:35	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 17:35	7440-42-8	
Cadmium	0.00014J	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 17:35	7440-43-9	
Chromium	0.0022J	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 17:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 17:35	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 17:35	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 17:35	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 17:35	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 17:35	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 17:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 17:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 17:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:26	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	129	mg/L	10.0	10.0	1		09/17/20 15:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		09/17/20 17:19	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 17:19	16984-48-8	
Sulfate	4.3	mg/L	1.0	0.50	1		09/17/20 17:19	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Sample: GWC-48 **Lab ID: 92494171035** Collected: 09/14/20 14:18 Received: 09/16/20 09:25 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	5.00	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	3.5	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:01	7440-70-2	
Zinc	0.0076J	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:01	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 17:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 17:40	7440-38-2	
Barium	0.035	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 17:40	7440-39-3	
Beryllium	0.00033J	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 17:40	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 17:40	7440-42-8	
Cadmium	0.00019J	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 17:40	7440-43-9	
Chromium	0.0024J	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 17:40	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 17:40	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 17:40	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 17:40	7439-92-1	
Nickel	0.0046J	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 17:40	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 17:40	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 17:40	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 17:40	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 17:40	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00015J	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:29	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	47.0	mg/L	10.0	10.0	1		09/17/20 15:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	4.0	mg/L	1.0	0.60	1		09/17/20 17:34	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 17:34	16984-48-8	
Sulfate	5.4	mg/L	1.0	0.50	1		09/17/20 17:34	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Sample: GWC-49Z		Lab ID: 92494171036		Collected: 09/14/20 11:51		Received: 09/16/20 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	5.32	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	0.65J	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:05	7440-70-2	
Zinc	0.0042J	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:05	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0017J	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 17:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 17:46	7440-38-2	
Barium	0.0027J	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 17:46	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 17:46	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 17:46	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 17:46	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 17:46	7440-47-3	
Cobalt	0.0014J	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 17:46	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 17:46	7440-50-8	
Lead	0.000078J	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 17:46	7439-92-1	
Nickel	0.0014J	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 17:46	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 17:46	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 17:46	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 17:46	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 17:46	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	25.0	mg/L	10.0	10.0	1		09/17/20 15:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.98J	mg/L	1.0	0.60	1		09/17/20 17:49	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 17:49	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		09/17/20 17:49	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: DUP-2		Lab ID: 92494171037		Collected: 09/14/20 00:00		Received: 09/16/20 09:25		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	22.2	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:18	7440-70-2		
Zinc	0.032	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:18	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 18:03	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 18:03	7440-38-2		
Barium	0.0081J	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 18:03	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 18:03	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 18:03	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 18:03	7440-43-9		
Chromium	0.0017J	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 18:03	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 18:03	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 18:03	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 18:03	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 18:03	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 18:03	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 18:03	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 18:03	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 18:03	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:33	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	97.0	mg/L	10.0	10.0	1		09/17/20 15:25			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.2	mg/L	1.0	0.60	1		09/17/20 18:04	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 18:04	16984-48-8		
Sulfate	4.4	mg/L	1.0	0.50	1		09/17/20 18:04	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: FBL091420		Lab ID: 92494171038		Collected: 09/14/20 16:26	Received: 09/16/20 09:25	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:22	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:22	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 18:09	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 18:09	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 18:09	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 18:09	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 18:09	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 18:09	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 18:09	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 18:09	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 18:09	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 18:09	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 18:09	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 18:09	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 18:09	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 18:09	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 18:09	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:36	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/17/20 15:25			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/17/20 18:49	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 18:49	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/17/20 18:49	14808-79-8		

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Sample: GWC-44 **Lab ID: 92494171039** Collected: 09/15/20 12:54 Received: 09/16/20 09:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	4.46	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	8.3	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:26	7440-70-2	
Zinc	0.0062J	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:26	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 18:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 18:15	7440-38-2	
Barium	0.035	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 18:15	7440-39-3	
Beryllium	0.000057J	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 18:15	7440-41-7	
Boron	0.0089J	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 18:15	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 18:15	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 18:15	7440-47-3	
Cobalt	0.0015J	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 18:15	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 18:15	7440-50-8	
Lead	0.00045J	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 18:15	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 18:15	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 18:15	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 18:15	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 18:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 18:15	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	56.0	mg/L	10.0	10.0	1		09/17/20 15:26		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	4.2	mg/L	1.0	0.60	1		09/17/20 19:04	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 19:04	16984-48-8	
Sulfate	23.1	mg/L	1.0	0.50	1		09/17/20 19:04	14808-79-8	

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: GWC-47R		Lab ID: 92494171040		Collected: 09/15/20 10:50		Received: 09/16/20 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.64	Std. Units			1		09/22/20 07:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	31.6	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:31	7440-70-2	
Zinc	0.028	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:31	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00053J	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 18:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 18:21	7440-38-2	
Barium	0.0084J	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 18:21	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 18:21	7440-41-7	
Boron	ND	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 18:21	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 18:21	7440-43-9	
Chromium	0.0017J	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 18:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 18:21	7440-48-4	
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 18:21	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 18:21	7439-92-1	
Nickel	ND	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 18:21	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 18:21	7782-49-2	
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 18:21	7440-22-4	
Thallium	0.00016J	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 18:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 18:21	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:40	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	108	mg/L	10.0	10.0	1		09/17/20 15:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		09/17/20 19:19	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 19:19	16984-48-8	
Sulfate	9.6	mg/L	1.0	0.50	1		09/17/20 19:19	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Sample: FBL091520		Lab ID: 92494171041		Collected: 09/15/20 16:23	Received: 09/16/20 09:25	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	09/16/20 18:20	09/17/20 22:35	7440-70-2		
Zinc	ND	mg/L	0.020	0.0035	1	09/16/20 18:20	09/17/20 22:35	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	09/16/20 18:16	09/21/20 18:32	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/16/20 18:16	09/21/20 18:32	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/16/20 18:16	09/21/20 18:32	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/16/20 18:16	09/21/20 18:32	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/16/20 18:16	09/21/20 18:32	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/16/20 18:16	09/21/20 18:32	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/16/20 18:16	09/21/20 18:32	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/16/20 18:16	09/21/20 18:32	7440-48-4		
Copper	ND	mg/L	0.025	0.0017	1	09/16/20 18:16	09/21/20 18:32	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/16/20 18:16	09/21/20 18:32	7439-92-1		
Nickel	ND	mg/L	0.010	0.00069	1	09/16/20 18:16	09/21/20 18:32	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/16/20 18:16	09/21/20 18:32	7782-49-2		
Silver	ND	mg/L	0.010	0.00036	1	09/16/20 18:16	09/21/20 18:32	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/16/20 18:16	09/21/20 18:32	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/16/20 18:16	09/21/20 18:32	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00050	0.000078	1	09/18/20 08:30	09/18/20 13:43	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	13.0	mg/L	10.0	10.0	1		09/17/20 15:30			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/17/20 19:33	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		09/17/20 19:33	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/17/20 19:33	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch: 566160	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004

METHOD BLANK: 3000736 Matrix: Water
Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/14/20 18:21	
Zinc	mg/L	ND	0.020	0.0035	09/14/20 18:21	

LABORATORY CONTROL SAMPLE: 3000737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.94J	94	80-120	
Zinc	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000738 3000739

Parameter	Units	92495119001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	3750 ug/L	1	1	4.7	4.7	94	95	75-125	0	20	
Zinc	mg/L	ND	1	1	0.99	1.0	99	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch:	566280	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047005, 92495047006, 92495047007, 92495047008, 92495047009, 92495047010, 92495047011, 92495047012

METHOD BLANK: 3001365 Matrix: Water

Associated Lab Samples: 92495047005, 92495047006, 92495047007, 92495047008, 92495047009, 92495047010, 92495047011, 92495047012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/15/20 17:02	
Zinc	mg/L	ND	0.020	0.0035	09/15/20 17:02	

LABORATORY CONTROL SAMPLE: 3001366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3001367 3001368

Parameter	Units	3001367		3001368		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92494171022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	63.2	1	1	65.8	65.3	256	208	75-125	1	20 M1
Zinc	mg/L	ND	1	1	0.98	0.98	98	98	75-125	0	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 566968 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

METHOD BLANK: 3004555 Matrix: Water
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/17/20 21:26	
Zinc	mg/L	ND	0.020	0.0035	09/17/20 21:26	

LABORATORY CONTROL SAMPLE: 3004556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Zinc	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004557 3004558

Parameter	Units	3004557		3004558		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92494171032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	31.0	1	1	30.4	29.8	-60	-118	75-125	2	20 M1
Zinc	mg/L	ND	1	1	0.96	0.94	96	94	75-125	1	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch: 568100	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047013, 92495047014, 92495047015

METHOD BLANK: 3010230 Matrix: Water

Associated Lab Samples: 92495047013, 92495047014, 92495047015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/22/20 20:31	
Zinc	mg/L	0.0043J	0.020	0.0035	09/22/20 20:31	

LABORATORY CONTROL SAMPLE: 3010231

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Zinc	mg/L	1	0.93	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3010232 3010233

Parameter	Units	92495653006		3010232		3010233		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Calcium	mg/L	43.1	1	1	44.0	43.4	83	22	75-125	1	20 M1
Zinc	mg/L	ND	1	1	0.96	0.97	95	96	75-125	1	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 566161 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004, 92495047005

METHOD BLANK: 3000746 Matrix: Water
Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004, 92495047005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/15/20 14:58	
Arsenic	mg/L	ND	0.0050	0.00078	09/15/20 14:58	
Barium	mg/L	ND	0.010	0.00071	09/15/20 14:58	
Beryllium	mg/L	ND	0.0030	0.000046	09/15/20 14:58	
Boron	mg/L	ND	0.10	0.0052	09/15/20 14:58	
Cadmium	mg/L	ND	0.0025	0.00012	09/15/20 14:58	
Chromium	mg/L	ND	0.010	0.00055	09/15/20 14:58	
Cobalt	mg/L	ND	0.0050	0.00038	09/15/20 14:58	
Copper	mg/L	ND	0.025	0.0017	09/15/20 14:58	
Lead	mg/L	ND	0.0050	0.000036	09/15/20 14:58	
Nickel	mg/L	ND	0.010	0.00069	09/15/20 14:58	
Selenium	mg/L	ND	0.010	0.0016	09/15/20 14:58	
Silver	mg/L	ND	0.010	0.00036	09/15/20 14:58	
Thallium	mg/L	ND	0.0010	0.00014	09/15/20 14:58	
Vanadium	mg/L	ND	0.010	0.0022	09/15/20 14:58	

LABORATORY CONTROL SAMPLE: 3000747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.093	93	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.095	95	80-120	
Copper	mg/L	0.1	0.095	95	80-120	
Lead	mg/L	0.1	0.096	96	80-120	
Nickel	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.092	92	80-120	
Silver	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	
Vanadium	mg/L	0.1	0.095	95	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Parameter	Units	3000748		3000749		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92494171014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	99	75-125	0	20	
Arsenic	mg/L	0.0025J	0.1	0.1	0.098	0.097	95	95	75-125	1	20	
Barium	mg/L	0.054	0.1	0.1	0.15	0.15	97	96	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.098	0.095	98	95	75-125	3	20	
Boron	mg/L	0.0084J	1	1	0.97	0.94	96	93	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.099	0.097	99	96	75-125	2	20	
Cobalt	mg/L	0.00087J	0.1	0.1	0.099	0.094	98	93	75-125	5	20	
Copper	mg/L	ND	0.1	0.1	0.095	0.093	95	93	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.095	98	94	75-125	3	20	
Nickel	mg/L	0.00083J	0.1	0.1	0.097	0.093	96	93	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.095	0.095	94	94	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Thallium	mg/L	0.00016J	0.1	0.1	0.099	0.095	99	95	75-125	4	20	
Vanadium	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 566278 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495047006, 92495047007, 92495047008

METHOD BLANK: 3001361 Matrix: Water
Associated Lab Samples: 92495047006, 92495047007, 92495047008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/17/20 14:57	
Arsenic	mg/L	ND	0.0050	0.00078	09/17/20 14:57	
Barium	mg/L	ND	0.010	0.00071	09/17/20 14:57	
Beryllium	mg/L	ND	0.0030	0.000046	09/17/20 14:57	
Boron	mg/L	ND	0.10	0.0052	09/17/20 14:57	
Cadmium	mg/L	ND	0.0025	0.00012	09/17/20 14:57	
Chromium	mg/L	ND	0.010	0.00055	09/17/20 14:57	
Cobalt	mg/L	ND	0.0050	0.00038	09/17/20 14:57	
Copper	mg/L	ND	0.025	0.0017	09/17/20 14:57	
Lead	mg/L	ND	0.0050	0.000036	09/17/20 14:57	
Nickel	mg/L	ND	0.010	0.00069	09/17/20 14:57	
Selenium	mg/L	ND	0.010	0.0016	09/17/20 14:57	
Silver	mg/L	ND	0.010	0.00036	09/17/20 14:57	
Thallium	mg/L	ND	0.0010	0.00014	09/17/20 14:57	
Vanadium	mg/L	ND	0.010	0.0022	09/17/20 14:57	

LABORATORY CONTROL SAMPLE: 3001362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.096	96	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.1	110	80-120	
Cadmium	mg/L	0.1	0.094	94	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Nickel	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Silver	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Parameter	Units	92494171029		3001363		3001364		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	1	20			
Barium	mg/L	0.015	0.1	0.1	0.11	0.11	95	96	75-125	1	20			
Beryllium	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20			
Boron	mg/L	ND	1	1	0.96	0.97	96	97	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	0	20			
Chromium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20			
Cobalt	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20			
Lead	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20			
Nickel	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.092	0.097	92	97	75-125	5	20			
Silver	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20			
Thallium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20			

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch:	566488	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047009, 92495047010, 92495047011, 92495047012

METHOD BLANK: 3002105 Matrix: Water

Associated Lab Samples: 92495047009, 92495047010, 92495047011, 92495047012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/16/20 13:14	
Arsenic	mg/L	ND	0.0050	0.00078	09/16/20 13:14	
Barium	mg/L	ND	0.010	0.00071	09/16/20 13:14	
Beryllium	mg/L	ND	0.0030	0.000046	09/16/20 13:14	
Boron	mg/L	ND	0.10	0.0052	09/16/20 13:14	
Cadmium	mg/L	ND	0.0025	0.00012	09/16/20 13:14	
Chromium	mg/L	ND	0.010	0.00055	09/16/20 13:14	
Cobalt	mg/L	ND	0.0050	0.00038	09/16/20 13:14	
Copper	mg/L	ND	0.025	0.0017	09/16/20 13:14	
Lead	mg/L	ND	0.0050	0.000036	09/16/20 13:14	
Nickel	mg/L	ND	0.010	0.00069	09/16/20 13:14	
Selenium	mg/L	ND	0.010	0.0016	09/16/20 13:14	
Silver	mg/L	ND	0.010	0.00036	09/16/20 13:14	
Thallium	mg/L	ND	0.0010	0.00014	09/16/20 13:14	
Vanadium	mg/L	ND	0.010	0.0022	09/16/20 13:14	

LABORATORY CONTROL SAMPLE: 3002106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.098	98	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.95	95	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.096	96	80-120	
Nickel	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.094	94	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	
Vanadium	mg/L	0.1	0.098	98	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Parameter	Units	3002107		3002108		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92495047009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	0.00043J	0.1	0.1	0.099	0.099	99	99	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.098	0.097	98	96	75-125	2	20	
Barium	mg/L	0.021	0.1	0.1	0.12	0.12	100	101	75-125	1	20	
Beryllium	mg/L	0.000056J	0.1	0.1	0.098	0.10	98	103	75-125	4	20	
Boron	mg/L	0.0056J	1	1	0.99	1.1	99	105	75-125	6	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20	
Chromium	mg/L	0.00067J	0.1	0.1	0.10	0.10	100	99	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	1	20	
Copper	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	2	20	
Nickel	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 566966 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

METHOD BLANK: 3004543 Matrix: Water
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/21/20 15:26	
Arsenic	mg/L	ND	0.0050	0.00078	09/21/20 15:26	
Barium	mg/L	ND	0.010	0.00071	09/21/20 15:26	
Beryllium	mg/L	ND	0.0030	0.000046	09/21/20 15:26	
Boron	mg/L	ND	0.10	0.0052	09/21/20 15:26	
Cadmium	mg/L	ND	0.0025	0.00012	09/21/20 15:26	
Chromium	mg/L	ND	0.010	0.00055	09/21/20 15:26	
Cobalt	mg/L	ND	0.0050	0.00038	09/21/20 15:26	
Copper	mg/L	ND	0.025	0.0017	09/21/20 15:26	
Lead	mg/L	ND	0.0050	0.000036	09/21/20 15:26	
Nickel	mg/L	ND	0.010	0.00069	09/21/20 15:26	
Selenium	mg/L	ND	0.010	0.0016	09/21/20 15:26	
Silver	mg/L	ND	0.010	0.00036	09/21/20 15:26	
Thallium	mg/L	ND	0.0010	0.00014	09/21/20 15:26	
Vanadium	mg/L	ND	0.010	0.0022	09/21/20 15:26	

LABORATORY CONTROL SAMPLE: 3004544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	105	80-120	
Boron	mg/L	1	1.1	109	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Silver	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.10	105	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Parameter	Units	3004545		3004546		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.097	100	97	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.096	101	96	75-125	5	20		
Barium	mg/L	0.058	0.1	0.1	0.16	0.15	99	95	75-125	2	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.096	102	96	75-125	6	20		
Boron	mg/L	ND	1	1	1.0	0.98	103	97	75-125	5	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.096	100	96	75-125	4	20		
Chromium	mg/L	0.0025J	0.1	0.1	0.11	0.099	103	96	75-125	7	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.097	100	97	75-125	2	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.096	99	96	75-125	3	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.097	100	97	75-125	3	20		
Selenium	mg/L	ND	0.1	0.1	0.098	0.10	98	99	75-125	1	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.096	100	96	75-125	4	20		
Thallium	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	4	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.098	102	97	75-125	4	20		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch: 568417	Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A	Analysis Description: 6020 MET
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047013, 92495047014, 92495047015

METHOD BLANK: 3011604 Matrix: Water

Associated Lab Samples: 92495047013, 92495047014, 92495047015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/23/20 18:33	
Arsenic	mg/L	ND	0.0050	0.00078	09/23/20 18:33	
Barium	mg/L	ND	0.010	0.00071	09/23/20 18:33	
Beryllium	mg/L	ND	0.0030	0.000046	09/23/20 18:33	
Boron	mg/L	ND	0.10	0.0052	09/23/20 18:33	
Cadmium	mg/L	ND	0.0025	0.00012	09/23/20 18:33	
Chromium	mg/L	ND	0.010	0.00055	09/23/20 18:33	
Cobalt	mg/L	ND	0.0050	0.00038	09/23/20 18:33	
Copper	mg/L	ND	0.025	0.0017	09/23/20 18:33	
Lead	mg/L	ND	0.0050	0.000036	09/23/20 18:33	
Nickel	mg/L	ND	0.010	0.00069	09/23/20 18:33	
Selenium	mg/L	ND	0.010	0.0016	09/23/20 18:33	
Silver	mg/L	ND	0.010	0.00036	09/23/20 18:33	
Thallium	mg/L	ND	0.0010	0.00014	09/23/20 18:33	
Vanadium	mg/L	ND	0.010	0.0022	09/23/20 18:33	

LABORATORY CONTROL SAMPLE: 3011605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	105	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.11	107	80-120	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Parameter	Units	3011606		3011607		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92495876001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	1	20	
Barium	mg/L	0.030	0.1	0.1	0.13	0.13	96	95	75-125	1	20	
Beryllium	mg/L	0.00012J	0.1	0.1	0.098	0.095	98	95	75-125	2	20	
Boron	mg/L	0.0065J	1	1	1.0	0.98	100	97	75-125	3	20	
Cadmium	mg/L	0.00016J	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20	
Copper	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	1	20	
Lead	mg/L	0.00065J	0.1	0.1	0.098	0.099	97	99	75-125	2	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.096	96	95	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	2	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch: 566202

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004, 92495047005, 92495047006, 92495047007, 92495047008, 92495047009

METHOD BLANK: 3000973

Matrix: Water

Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004, 92495047005, 92495047006, 92495047007, 92495047008, 92495047009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/15/20 10:14	

LABORATORY CONTROL SAMPLE: 3000974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000975 3000976

Parameter	Units	92494171021 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Mercury	mg/L	ND	0.0025	0.0026	0.0027	0.0025	101	106	75-125	5	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch: 566205	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047010, 92495047011, 92495047012

METHOD BLANK: 3000986 Matrix: Water

Associated Lab Samples: 92495047010, 92495047011, 92495047012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/15/20 11:28	

LABORATORY CONTROL SAMPLE: 3000987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000988 3000989

Parameter	Units	3000988		3000989		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92495098001 ND	0.0025	0.0025	0.0026	0.0028	102	111	75-125	8	20

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch:	567255	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

METHOD BLANK: 3006139 Matrix: Water
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/18/20 12:53	

LABORATORY CONTROL SAMPLE: 3006140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3006141 3006142

Parameter	Units	92495656001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0025	102	100	75-125	2	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch: 568004	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92495047013, 92495047014, 92495047015

METHOD BLANK: 3009596 Matrix: Water

Associated Lab Samples: 92495047013, 92495047014, 92495047015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00050	0.000078	09/23/20 08:40	

LABORATORY CONTROL SAMPLE: 3009597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3009598 3009599

Parameter	Units	3009598		3009599		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0025	98	94	75-125	5	20	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 566186 Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004, 92495047005

METHOD BLANK: 3000814 Matrix: Water
Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004, 92495047005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/14/20 13:48	

LABORATORY CONTROL SAMPLE: 3000815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	396	99	84-108	

SAMPLE DUPLICATE: 3000816

Parameter	Units	92494787004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	157	162	3	10	

SAMPLE DUPLICATE: 3000817

Parameter	Units	92495119002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	649	636	2	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 566772 Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495047006, 92495047007, 92495047008, 92495047009, 92495047010, 92495047011, 92495047012

METHOD BLANK: 3003519 Matrix: Water
Associated Lab Samples: 92495047006, 92495047007, 92495047008, 92495047009, 92495047010, 92495047011, 92495047012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/16/20 14:20	

LABORATORY CONTROL SAMPLE: 3003520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	392	98	84-108	

SAMPLE DUPLICATE: 3003521

Parameter	Units	92495054002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	90.0	94.0	4	10	

SAMPLE DUPLICATE: 3003522

Parameter	Units	92495047012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 567139 Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

METHOD BLANK: 3005336 Matrix: Water
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/17/20 15:22	

LABORATORY CONTROL SAMPLE: 3005337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	420	105	84-108	

SAMPLE DUPLICATE: 3005338

Parameter	Units	92494171032 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	146	142	3	10	

SAMPLE DUPLICATE: 3005339

Parameter	Units	92495656003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	100	95.0	5	10	

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 567882 Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92495047013, 92495047014, 92495047015

METHOD BLANK: 3009251 Matrix: Water
Associated Lab Samples: 92495047013, 92495047014, 92495047015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/21/20 16:27	

LABORATORY CONTROL SAMPLE: 3009252

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	412	103	84-108	

SAMPLE DUPLICATE: 3009253

Parameter	Units	92495653008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2090	2130	2	10	

SAMPLE DUPLICATE: 3009254

Parameter	Units	92495870011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	25.0	18.0	33	10	D6

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

QC Batch: 566058 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004, 92495047005

METHOD BLANK: 3000158 Matrix: Water
 Associated Lab Samples: 92495047001, 92495047002, 92495047003, 92495047004, 92495047005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/12/20 17:32	
Fluoride	mg/L	ND	0.30	0.050	09/12/20 17:32	
Sulfate	mg/L	ND	1.0	0.50	09/12/20 17:32	

LABORATORY CONTROL SAMPLE: 3000159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.8	104	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000160 3000161

Parameter	Units	92495082001		MS		MSD		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result								
Chloride	mg/L	68.6	50	50	50	113	112	90	87	90-110	1	10	M6		
Fluoride	mg/L	0.93	2.5	2.5	2.5	3.8	3.8	117	117	90-110	0	10	M1		
Sulfate	mg/L	606	50	50	50	639	634	67	56	90-110	1	10	M6		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3000162 3000163

Parameter	Units	92495040001		MS		MSD		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result								
Chloride	mg/L	7.1	50	50	50	63.9	64.2	114	114	90-110	0	10	M1		
Fluoride	mg/L	0.86	2.5	2.5	2.5	3.7	3.7	114	112	90-110	1	10	M1		
Sulfate	mg/L	10.1	50	50	50	66.8	67.2	114	114	90-110	0	10	M1		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 566299	Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92495047006, 92495047007, 92495047008, 92495047009, 92495047010, 92495047011, 92495047012

METHOD BLANK: 3001409 Matrix: Water
Associated Lab Samples: 92495047006, 92495047007, 92495047008, 92495047009, 92495047010, 92495047011, 92495047012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/15/20 11:43	
Fluoride	mg/L	ND	0.30	0.050	09/15/20 11:43	
Sulfate	mg/L	ND	1.0	0.50	09/15/20 11:43	

LABORATORY CONTROL SAMPLE: 3001410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	51.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3001411 3001412

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92494171025 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	2.4	50	50	54.2	54.7	104	105	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	103	104	90-110	1	10		
Sulfate	mg/L	3.4	50	50	55.2	55.8	104	105	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3001413 3001414

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495047009 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	3.1	50	50	55.6	55.7	105	105	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	103	104	90-110	1	10		
Sulfate	mg/L	2.8	50	50	55.2	55.4	105	105	90-110	0	10		

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 567088 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

METHOD BLANK: 3004873 Matrix: Water
Associated Lab Samples: 92494171032, 92494171033, 92494171034, 92494171035, 92494171036, 92494171037, 92494171038, 92494171039, 92494171040, 92494171041

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/17/20 15:50	
Fluoride	mg/L	ND	0.30	0.050	09/17/20 15:50	
Sulfate	mg/L	ND	1.0	0.50	09/17/20 15:50	

LABORATORY CONTROL SAMPLE: 3004874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.8	104	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004875 3004876

Parameter	Units	3004875		3004876		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92494171032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	3.3	50	50	57.1	57.7	107	109	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	106	108	90-110	2	10
Sulfate	mg/L	4.9	50	50	58.8	59.4	108	109	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004877 3004878

Parameter	Units	3004877		3004878		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495870001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	1.3	50	50	52.0	55.5	101	108	90-110	6	10
Fluoride	mg/L	0.050J	2.5	2.5	2.6	2.7	101	108	90-110	6	10
Sulfate	mg/L	0.96J	50	50	51.5	55.0	101	108	90-110	6	10

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QUALITY CONTROL DATA

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

QC Batch: 567942 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92495047013, 92495047014, 92495047015

METHOD BLANK: 3009478 Matrix: Water
Associated Lab Samples: 92495047013, 92495047014, 92495047015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/21/20 23:05	
Fluoride	mg/L	ND	0.30	0.050	09/21/20 23:05	
Sulfate	mg/L	ND	1.0	0.50	09/21/20 23:05	

LABORATORY CONTROL SAMPLE: 3009479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.8	106	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	52.8	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3009480 3009481

Parameter	Units	92495047013		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	1.7	50	50	53.8	53.6	104	104	104	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	104	103	103	90-110	0	10	
Sulfate	mg/L	8.6	50	50	60.9	60.8	105	104	104	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3009482 3009483

Parameter	Units	92495870010		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	0.97J	50	50	53.1	53.5	104	105	105	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	104	105	105	90-110	2	10	
Sulfate	mg/L	ND	50	50	52.3	52.7	104	105	105	90-110	1	10	

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QUALIFIERS

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92495047001	GWA-39Z				
92495047002	GWA-41				
92495047003	GWA-41R				
92495047004	GWA-42				
92495047006	GWA-40				
92495047007	GWA-43				
92495047008	GWC-45				
92495047009	GWC-45R				
92495047010	GWC-49R				
92494171032	GWA-43R				
92494171033	GWC-46R				
92494171034	GWC-47				
92494171035	GWC-48				
92494171036	GWC-49Z				
92494171039	GWC-44				
92494171040	GWC-47R				
92495047013	GWA-39RZ				
92495047001	GWA-39Z	EPA 3010A	566160	EPA 6010D	566258
92495047002	GWA-41	EPA 3010A	566160	EPA 6010D	566258
92495047003	GWA-41R	EPA 3010A	566160	EPA 6010D	566258
92495047004	GWA-42	EPA 3010A	566160	EPA 6010D	566258
92495047005	FBL091020	EPA 3010A	566280	EPA 6010D	566439
92495047006	GWA-40	EPA 3010A	566280	EPA 6010D	566439
92495047007	GWA-43	EPA 3010A	566280	EPA 6010D	566439
92495047008	GWC-45	EPA 3010A	566280	EPA 6010D	566439
92495047009	GWC-45R	EPA 3010A	566280	EPA 6010D	566439
92495047010	GWC-49R	EPA 3010A	566280	EPA 6010D	566439
92495047011	DUP-1	EPA 3010A	566280	EPA 6010D	566439
92495047012	FBL091120	EPA 3010A	566280	EPA 6010D	566439
92494171032	GWA-43R	EPA 3010A	566968	EPA 6010D	566969
92494171033	GWC-46R	EPA 3010A	566968	EPA 6010D	566969
92494171034	GWC-47	EPA 3010A	566968	EPA 6010D	566969
92494171035	GWC-48	EPA 3010A	566968	EPA 6010D	566969
92494171036	GWC-49Z	EPA 3010A	566968	EPA 6010D	566969
92494171037	DUP-2	EPA 3010A	566968	EPA 6010D	566969
92494171038	FBL091420	EPA 3010A	566968	EPA 6010D	566969
92494171039	GWC-44	EPA 3010A	566968	EPA 6010D	566969
92494171040	GWC-47R	EPA 3010A	566968	EPA 6010D	566969
92494171041	FBL091520	EPA 3010A	566968	EPA 6010D	566969
92495047013	GWA-39RZ	EPA 3010A	568100	EPA 6010D	568125
92495047014	FBL091620	EPA 3010A	568100	EPA 6010D	568125
92495047015	EQBL091620	EPA 3010A	568100	EPA 6010D	568125
92495047001	GWA-39Z	EPA 3005A	566161	EPA 6020B	566260
92495047002	GWA-41	EPA 3005A	566161	EPA 6020B	566260
92495047003	GWA-41R	EPA 3005A	566161	EPA 6020B	566260
92495047004	GWA-42	EPA 3005A	566161	EPA 6020B	566260

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 9&10
Pace Project No.: 92495047

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92495047005	FBL091020	EPA 3005A	566161	EPA 6020B	566260
92495047006	GWA-40	EPA 3005A	566278	EPA 6020B	566438
92495047007	GWA-43	EPA 3005A	566278	EPA 6020B	566438
92495047008	GWC-45	EPA 3005A	566278	EPA 6020B	566438
92495047009	GWC-45R	EPA 3005A	566488	EPA 6020B	566581
92495047010	GWC-49R	EPA 3005A	566488	EPA 6020B	566581
92495047011	DUP-1	EPA 3005A	566488	EPA 6020B	566581
92495047012	FBL091120	EPA 3005A	566488	EPA 6020B	566581
92494171032	GWA-43R	EPA 3005A	566966	EPA 6020B	566971
92494171033	GWC-46R	EPA 3005A	566966	EPA 6020B	566971
92494171034	GWC-47	EPA 3005A	566966	EPA 6020B	566971
92494171035	GWC-48	EPA 3005A	566966	EPA 6020B	566971
92494171036	GWC-49Z	EPA 3005A	566966	EPA 6020B	566971
92494171037	DUP-2	EPA 3005A	566966	EPA 6020B	566971
92494171038	FBL091420	EPA 3005A	566966	EPA 6020B	566971
92494171039	GWC-44	EPA 3005A	566966	EPA 6020B	566971
92494171040	GWC-47R	EPA 3005A	566966	EPA 6020B	566971
92494171041	FBL091520	EPA 3005A	566966	EPA 6020B	566971
92495047013	GWA-39RZ	EPA 3005A	568417	EPA 6020B	568454
92495047014	FBL091620	EPA 3005A	568417	EPA 6020B	568454
92495047015	EQBL091620	EPA 3005A	568417	EPA 6020B	568454
92495047001	GWA-39Z	EPA 7470A	566202	EPA 7470A	566255
92495047002	GWA-41	EPA 7470A	566202	EPA 7470A	566255
92495047003	GWA-41R	EPA 7470A	566202	EPA 7470A	566255
92495047004	GWA-42	EPA 7470A	566202	EPA 7470A	566255
92495047005	FBL091020	EPA 7470A	566202	EPA 7470A	566255
92495047006	GWA-40	EPA 7470A	566202	EPA 7470A	566255
92495047007	GWA-43	EPA 7470A	566202	EPA 7470A	566255
92495047008	GWC-45	EPA 7470A	566202	EPA 7470A	566255
92495047009	GWC-45R	EPA 7470A	566202	EPA 7470A	566255
92495047010	GWC-49R	EPA 7470A	566205	EPA 7470A	566257
92495047011	DUP-1	EPA 7470A	566205	EPA 7470A	566257
92495047012	FBL091120	EPA 7470A	566205	EPA 7470A	566257
92494171032	GWA-43R	EPA 7470A	567255	EPA 7470A	567454
92494171033	GWC-46R	EPA 7470A	567255	EPA 7470A	567454
92494171034	GWC-47	EPA 7470A	567255	EPA 7470A	567454
92494171035	GWC-48	EPA 7470A	567255	EPA 7470A	567454
92494171036	GWC-49Z	EPA 7470A	567255	EPA 7470A	567454
92494171037	DUP-2	EPA 7470A	567255	EPA 7470A	567454
92494171038	FBL091420	EPA 7470A	567255	EPA 7470A	567454
92494171039	GWC-44	EPA 7470A	567255	EPA 7470A	567454
92494171040	GWC-47R	EPA 7470A	567255	EPA 7470A	567454
92494171041	FBL091520	EPA 7470A	567255	EPA 7470A	567454
92495047013	GWA-39RZ	EPA 7470A	568004	EPA 7470A	568115
92495047014	FBL091620	EPA 7470A	568004	EPA 7470A	568115

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92495047015	EQBL091620	EPA 7470A	568004	EPA 7470A	568115
92495047001	GWA-39Z	SM 2450C-2011	566186		
92495047002	GWA-41	SM 2450C-2011	566186		
92495047003	GWA-41R	SM 2450C-2011	566186		
92495047004	GWA-42	SM 2450C-2011	566186		
92495047005	FBL091020	SM 2450C-2011	566186		
92495047006	GWA-40	SM 2450C-2011	566772		
92495047007	GWA-43	SM 2450C-2011	566772		
92495047008	GWC-45	SM 2450C-2011	566772		
92495047009	GWC-45R	SM 2450C-2011	566772		
92495047010	GWC-49R	SM 2450C-2011	566772		
92495047011	DUP-1	SM 2450C-2011	566772		
92495047012	FBL091120	SM 2450C-2011	566772		
92494171032	GWA-43R	SM 2450C-2011	567139		
92494171033	GWC-46R	SM 2450C-2011	567139		
92494171034	GWC-47	SM 2450C-2011	567139		
92494171035	GWC-48	SM 2450C-2011	567139		
92494171036	GWC-49Z	SM 2450C-2011	567139		
92494171037	DUP-2	SM 2450C-2011	567139		
92494171038	FBL091420	SM 2450C-2011	567139		
92494171039	GWC-44	SM 2450C-2011	567139		
92494171040	GWC-47R	SM 2450C-2011	567139		
92494171041	FBL091520	SM 2450C-2011	567139		
92495047013	GWA-39RZ	SM 2450C-2011	567882		
92495047014	FBL091620	SM 2450C-2011	567882		
92495047015	EQBL091620	SM 2450C-2011	567882		
92495047001	GWA-39Z	EPA 300.0 Rev 2.1 1993	566058		
92495047002	GWA-41	EPA 300.0 Rev 2.1 1993	566058		
92495047003	GWA-41R	EPA 300.0 Rev 2.1 1993	566058		
92495047004	GWA-42	EPA 300.0 Rev 2.1 1993	566058		
92495047005	FBL091020	EPA 300.0 Rev 2.1 1993	566058		
92495047006	GWA-40	EPA 300.0 Rev 2.1 1993	566299		
92495047007	GWA-43	EPA 300.0 Rev 2.1 1993	566299		
92495047008	GWC-45	EPA 300.0 Rev 2.1 1993	566299		
92495047009	GWC-45R	EPA 300.0 Rev 2.1 1993	566299		
92495047010	GWC-49R	EPA 300.0 Rev 2.1 1993	566299		
92495047011	DUP-1	EPA 300.0 Rev 2.1 1993	566299		
92495047012	FBL091120	EPA 300.0 Rev 2.1 1993	566299		
92494171032	GWA-43R	EPA 300.0 Rev 2.1 1993	567088		
92494171033	GWC-46R	EPA 300.0 Rev 2.1 1993	567088		
92494171034	GWC-47	EPA 300.0 Rev 2.1 1993	567088		
92494171035	GWC-48	EPA 300.0 Rev 2.1 1993	567088		
92494171036	GWC-49Z	EPA 300.0 Rev 2.1 1993	567088		
92494171037	DUP-2	EPA 300.0 Rev 2.1 1993	567088		
92494171038	FBL091420	EPA 300.0 Rev 2.1 1993	567088		

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PLANT BOWEN LF CELLS 9&10

Pace Project No.: 92495047

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92494171039	GWC-44	EPA 300.0 Rev 2.1 1993	567088		
92494171040	GWC-47R	EPA 300.0 Rev 2.1 1993	567088		
92494171041	FBL091520	EPA 300.0 Rev 2.1 1993	567088		
92495047013	GWA-39RZ	EPA 300.0 Rev 2.1 1993	567942		
92495047014	FBL091620	EPA 300.0 Rev 2.1 1993	567942		
92495047015	EQBL091620	EPA 300.0 Rev 2.1 1993	567942		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Client Name: GA Power

WO#: **92495047**



Courier: Fed Ex UPS USPS Client Commercial Pace Other
Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 214 Type of Ice: Ice Blue None Samples on ice, cooling process has begun

Cooler Temperature 4.7 Biological Tissue is Frozen: Yes No Date and Initials of person examining contents: 9/11/20 OH
Temp should be above freezing to 8°C Comments: _____

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin, Stephenson@Resoluteenv.com Phone: (678)5489415 Fax: Requested Due Date/TAT: 10 Day

Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn Project Name: Plant Bowen Land Fill Project Order No.: Purchase Order No.: Project Number:

Section C Invoicing Information: Attention: Southern Co. Company Name: Address: Paces Quade Paces Project Reference: Kevin Herring Paces Project Manager Paces Profile #: 2928

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER CCR

Site Location: STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					DATE	TIME	DATE			TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃				
1		GW-C-47																		
2		GW-C-47R																		
3		GW-C-48																		
4		GW-C-49Z																		
5		GW-C-49R																		
6		Dup-1																		
7		Dup-2																		
8		FBL091020	G	4T	4/10/20	16	05													
9		EQBL																		
10		EQL																		
11		EQBL																		
12																				

ADDITIONAL COMMENTS: State Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Co

RELINQUISHED BY / AFFILIATION: Veronica Fay / Resolute DATE: 7/11/18 TIME: 11:20 AM

ACCEPTED BY / AFFILIATION: Cindy Moore / Pace Project Manager DATE: 7/10/20 TIME: 7:00 AM

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: Will Hayes, Joe Booth, Veronica Fay SIGNATURE of SAMPLER: [Signatures] DATE Signed (MM/DD/YY): 9/10/20

Temp in °C: 47.7 Received on Ice (Y/N): Y Custody Sealed Cooler (Y/N): Y Samples Intact (Y/N): Y



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188

Section B Required Project Information:
 Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Purchase Order No.:
 Project Name: Plant Bowen Land Fill
 Project Number:

Section C Invoice Information:
 Attention: Southern Co.
 Company Name:
 Address:
 P.O. Box:
 Reference: Kevin Herring
 Pace Project Manager
 Pace Profile #: 2928

Page: 1 of 2

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location: _____
 STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE PASSING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLUBLE SL OIL OL WIPE WP AIR AR OTHER OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
					DATE	TIME							
1	GWA-39Z				9/11/20	1002	3	2	1	X	X	X	
2	GWA-39RZ				9/11/20	1351	3	2	1	X	X	X	
3	GWA-40				9/11/20	1401	3	2	1	X	X	X	
4	GWA-41				9/11/20	1200	3	2	1	X	X	X	
5	GWA-41R												
6	GWA-42												
7	GWA-43												
8	GWA-43R												
9	GWA-44												
10	GWC-45												
11	GWC-45R												
12	GWC-46R												

ADDITIONAL COMMENTS
 State Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Ag, Li, V, Zn, Co

REQUISITIONED BY / AFFILIATION: Veronica Fay / Resolve
 DATE: 9/11/20
 TIME: 1023

ACCEPTED BY / AFFILIATION: K. Williams / Pace
 DATE: 9/11/20
 TIME: 1023

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Will Locker, Veronica Fay, Joe Berth
 SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YY): 9/11/20

Temp in °C: _____
 Received on Ice (Y/N): _____
 Custody Sealed Cooler (Y/N): _____
 Samples Intact (Y/N): _____

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@Resoluteenergy.com Phone: (678)5489415 Requested Due Date/TAT: 10 day	Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn Purchase Order No.: Project Name: Plant Bowen Land Fill Project Number:
Section C Invoice Information: Attention: Southern Co. Company Name: Address: Page Quote Reference: Kevin Hemming Pace Project Manager: Pace Profile #: 2928	REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> DRINKING WATER OTHER CCR <input type="checkbox"/> Site Location: GA STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOLUBLE SL OTHER WP AIR MT TISSE TS	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH: 8.06					
			MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE			TIME	DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl					NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Cl, F, SO4
1	GMG-47																						
2	GMG-47R																						
3	GMG-48																						
4	GMG-49Z																						
5	GMG-49R																						
6	Dup-1																						
7	Dup-2																						
8	FBL091120																						
9	EQBL																						
10	FBL																						
11	EQBL																						
12																							

State Metals include Sr, As, Ba, Bi, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Co

ADDITIONAL COMMENTS: Veronica Foy / Residue

RELINQUISHED BY / AFFILIATION: Veronica Foy / Residue DATE: 9/11/20 TIME: 1623

ACCEPTED BY / AFFILIATION: K. A. Ruppel / Pace DATE: 9/11/20 TIME: 1623

Temp in °C: _____

Received on Ice (Y/N): _____

Custody Sealed Cooler (Y/N): _____

Samples Intact (Y/N): _____

PAGE: 2 of 2



CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188
 Email To: Kevin.Stephenson@Resoluteenv.com
 Phone: (678)5489415
 Requested Date Data/AT: 10 Day

Section B Required Project Information:
 Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Purchase Order No.:
 Project Name: Plant Bowen Land Fill
 Project Number:

Section C Invoice Information:
 Attention: Southern Co.
 Company Name:
 Address:
 P.O. Box:
 Reference: Kevin Herring
 Project Manager:
 Pace Profile #: 2928

Page: 1 of 2

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location: _____ STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			DATE	TIME			DATE	TIME	H ₂ SO ₄	HNO ₃	HCl	NaOH			
1	GWA-39Z	WT G	9/16/20	0950	5	2	1								
2	GWA-39RZ	WT G	9/16/20	0950											
3	GWA-40														
4	GWA-41														
5	GWA-41R														
6	GWA-42														
7	GWA-43														
8	GWA-43R														
9	GWA-44														
10	GWA-45														
11	GWA-45R														
12	GWA-46R														

ADDITIONAL COMMENTS
 State Matrix includes: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Hg, V, Zn, Co

RELINQUISHED BY / AFFILIATION: Kevin Stephenson
 DATE: 9/16
 TIME: 5:08
 ACCEPTED BY / AFFILIATION: Cindy Harrell
 DATE: 9/16
 TIME: 5:00

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Veronica Fay, Will Lake, Kevin Stephenson
 SIGNATURE of SAMPLER: Veronica Fay
 DATE Signed (MM/DD/YYYY): 9/16/20

Temp in °C: _____
 Received on Ice (Y/N): _____
 Custody Sealed Cooler (Y/N): _____
 Samples Intact (Y/N): _____

Important Note: By signing this form, you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007



CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
Requested Client Information:

Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188
 Email To: Kevin.Stephenson@Resoluteenv.com
 Phone: (678)5489415
 Requested Due Date/TAT: 10 Day

Section B
Requested Project Information:

Report To: Kevin Stephenson
 Copy To: Rhonda Quinn
 Purchase Order No.:
 Project Name: Plant Bowen Land Fill
 Project Number:

Section C
Invoice Information:

Attention: Southern Co.
 Company Name:
 Address:
 Pace Quote Reference: Kevin Herring
 Pace Project Manager:
 Pace Profile #: 2928

Page: 2 of 2

REGULATORY AGENCY
 NPDES GROUND WATER
 UST RCRA OTHER DRINKING WATER
 Site Location: GA
 STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WW WASTE WATER P PRODUCT S SOIL/SOLID OL WASTE AP AM OTHER OT TSS TS	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH			
1	GWC-47															
2	GWC-47R															
3	GWC-48															
4	GWC-48Z															
5	GWC-48R															
6	Dup-1															
7	Dup-2															
8	FBL 091620															
9	EQL 091620															
10	FBL															
11	EQL															
12																

ADDITIONAL COMMENTS
 State Metals include Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Ni, Se, Ag, Ti, V, Zn, Co

RELINQUISHED BY / AFFILIATION
 Kevin Stephenson
 Cindy Herring
 9/18/11
 11:20
 9:58
 1:30

DATE
 9/16/12

TIME
 5:06
 11:20
 1:30

ACCEPTED BY / AFFILIATION
 Kevin Stephenson
 Kevin Stephenson
 9/16/12

DATE
 9/16/12

TIME
 5:08
 1:20

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Veronica Fay, Will Leaver
 SIGNATURE of SAMPLER: Veronica Fay

DATE Signed (MANDATORY)
 9/16/12

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 3

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Requested Due Date/TAT: 90 Day	Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quirin Purchase Order No.: Project Name: Plant Bowen Land Fill Project Number:
Section C Invoice Information:	
Attention: Southern Co. Company Name: Address: Plant Quin Reference: Kevin Herring Plant Project Name: Plant Project # 2928	REGULATORY AGENCY: <input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>
Site Location: STATE: GA	Requested Analysis Filtered (Y/N):

ITEM #	Section D Required Client Information SAMPLE ID (A-Z 0-9 /) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS						
				DATE	TIME	DATE							TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)		
1	GVA-36	WT	G	9/3/20	13:18			3	Unpreserved										
2	GVA-37	WT	G	9/3/20	15:40			2	H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	X	X								
3	GVA-38	WT	G	9/3/20	14:58			3		X	X								
4	GVA-38	WT	G	9/3/20	14:58			2		X	X								
5	GVA-16R							1											
6	GVA-17R							1											
7	GVA-18							1											
8	GVA-18R							1											
9	GVA-19R							1											
10	GVA-20R							1											
11	GVA-21R							1											
12	GVA-22R							1											
ADDITIONAL COMMENTS																			
RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME									
Veronica Fay / Resolute		9/3		5:00		Cindy Mordis / Resolute		9/3		5:00									
<i>[Signature]</i>		9/4		11:20		<i>[Signature]</i>		9/4		7:30									
<i>[Signature]</i>		9/4		3:40		<i>[Signature]</i>		9/4		1:54									

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Veronica Fay, Joe Booth, Kevin Stephenson	DATE Signed (MM/DD/YYYY): 9/3/20
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YYYY): 9/3/20

*Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Kevin Stephenson
 (706) 228-2828

Section A Required Client Information:		Section B Requested Project Information:		Section C Invoice Information:	
Company: GA Power	Address: 1003 Weatherstone Parkway Woodstock, Ga 30188	Report To: Kevin Stephenson	Copy To: Rhonda Quinn	Address: Southern Co.	Company Name:
Email To: Kevin.Stephenson@Resoluteenv.com	Phone: (678)5489415	Purchase Order No.:	Project Name: Plant Bowen Land Fill	Address:	Company Name:
Requested Data Start/End:	10 Day	Project Number:	Requested Analysis Filtered (Y/N)	REGULATORY AGENCY:	REGULATORY AGENCY:
				<input type="checkbox"/> NPOES	<input type="checkbox"/> GROUND WATER
				<input type="checkbox"/> UST	<input type="checkbox"/> RCRA
				<input type="checkbox"/> DRINKING WATER	<input type="checkbox"/> OTHER
				<input type="checkbox"/> OTHER	<input type="checkbox"/> CORN
				Site Location:	STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes LAUTOX DOMESTIC WATER WATER WASTE WATER PRODUCT SOIL/SOLID SL M AD OTHER TSS/AE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
					DATE	TIME							
1	GWC-29R												
2	GWC-29R												
3	GWC-29R												
4	GWA-52		G	WT 91	3/20	5:40		3	2	1			
5	GWA-52												
6	GWA-59												
7	GWA-59R												
8	GWA-54												
9	GWA-54												
10	GWA-55R												
11	GWA-55												
12	SS-1												
ADDITIONAL COMMENTS													
State Metal													
Veronica Fay / Resolute													
Cindy Mardis / Resolute													
Cindy Mardis / Resolute													
Veronica Fay / Resolute													

SAMPLER NAME AND SIGNATURE		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
PRINT Name of SAMPLER:	Veronica Fay, The Booth, Kevin Stephenson	9/13	5:00	Cindy Mardis / Resolute	9/13	5:00			
SIGNATURE of SAMPLER:	<i>Veronica Fay</i>	9/13/20	11:30	Cindy Mardis / Resolute	9/13/20	11:30			
DATE Signed (MM/DD/YY):	9/13/20	9/13/20	15:45						
Temp in °C									
Received on ice (Y/N)									
Custody Sealed Cooler (Y/N)									
Samples Intact (Y/N)									

Page: 2 of 3



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 3

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188		Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn		Section C Invoice Information: Attention: Southern Co. Company Name: Address: Street: City: State: Zip: Project Name: Plant Bowen Land Fill Project Number: Requested Date Data/AT: 1st Day	
Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Fax: Requested Date Data/AT: 1st Day		Purchase Order No.: Project Name: Plant Bowen Land Fill Project Number:		Address: Street: City: State: Zip: Project Name: Kevin Herring Project Number: 2928	
REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>		Site Location: GA STATE:		Requested Analysis Filled (Y/N)	

ITEM #	Section D Required Client Information Matrix Code (see valid codes to left)	Section D Required Client Information Sample Type (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filled (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.
			DATE	TIME							
1	DUP-1	G	9/13/20			3			X		
2	DUP-2	G	9/13/20			2			X		
3	DUP-3	G	9/13/20	1610		1			X		
4	FBI Q90320	G	9/13/20	1610		3			X		
5	EQBL					2			X		
6	FBI					1			X		
7	EQBL										
8	FBI										
9											
10											
11											
12											

ADDITIONAL COMMENTS State Metals	NEIGHBOURED BY / AFFILIATION Veronica Ely / Resolute	DATE 9/13	TIME 5:00	ACCEPTED BY / AFFILIATION Andy Mandis / Resolute	DATE 9/13	TIME 5:00	SAMPLE CONDITIONS Temp in °C Received on ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)
	Veronica Ely / Resolute Andy Mandis 9/13/20	9/13	11:20	Andy Mandis / Resolute 9/13/20	9/13	11:20	Y N Y

SAMPLER NAME AND SIGNATURE: Veronica Ely, JEE BOOTH, Kevin Stephenson
 PRINT Name of SAMPLER: Veronica Ely, JEE BOOTH, Kevin Stephenson
 SIGNATURE of SAMPLER: Veronica Ely



CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GA Power	Address: 1003 Weatherstone Parkway Woodstock, Ga 30188	Report To: Kevin Stephenson	Copy To: Rhonda Quinn	Company Name: Southern Co.	Address: [Blank]
Email To: Kevin.Stephenson@resoluteenv.com	Phone: (678)5489415	Project Name: Plant Bowen Land Fill	Purchase Order No.: [Blank]	Reference: Kevin Harting	Price Quote Reference: [Blank]
Requested Due Date(TAT): 10 Day	Project Number: [Blank]	Requested Analysis Filtered (Y/N): [Blank]	State: GA	Spec Profile #: 2928	Spec Profile #: 2928
REGULATORY AGENCY			REGULATORY AGENCY		
NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/>			UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>		

ITEM #	Section D Requested Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH: 7.43
				DATE	TIME	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃				
1	GWA-39Z	GWA-39Z																	
2	GWA-39RZ	GWA-39RZ																	
3	GWA-40	GWA-40																	
4	GWA-41	GWA-41																	
5	GWA-41R	GWA-41R																	
6	GWA-42	GWA-42																	
7	GWA-43	GWA-43																	
8	GWA-43R	GWA-43R																	
9	GWC-44	GWC-44																	
10	GWC-45	GWC-45																	
11	GWC-45R	GWC-45R																	
12	GWC-46R	GWC-46R																	

SAMPLER NAME AND SIGNATURE		DATE		ACCEPTED BY/AFFILIATION		DATE		TIME		DATE		TIME		SAMPLE CONDITIONS	
PRINT Name of Sampler: Will Laker, Kevin Stephenson, Veronika Fay		7/14		Veronika Fay		9/14		5:00		Veronika Fay		9/16/20		5:00	
SIGNATURE of SAMPLER: [Signature]		9/14/20		Kevin Harting		9/16/20		9:25		Kevin Harting		9/16/20		9:35	
Temp in °C		Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)									

Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:
 Company: **GA Power**
 Address: **1003 Weatherstone Parkway**
 City: **Woodstock, Ga 30188**
 Phone: **(678)5489415** Fax:
 Requested Due Date/Time: **1st Day**

Section B Required Project Information:
 Report To: **Kevin Stephenson**
 Copy To: **Rhonda Quinn**
 Project Name: **Piney Bowen Land Fill**
 Project Number:

Section C Invoice Information:
 Attention: **Southern Co.**
 Company Name:
 Address:
 Site Location: **GA**

Page: **2** of **2**

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER CER

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9, /,) Sample ID's MUST BE UNIQUE	Valid Matrix Codes MAINTENANCE DRAINAGE WATER WATER WASTE WATER PRODUCT WATER SOLUBLE WASTE WATER OTHER TSS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₅ Methanol Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)				
					DATE	TIME	DATE										
					TIME	DATE	TIME										
1	GWC-47				9/14/20	14:24		3	2	1	X	X	X	X			
2	GWC-47R																
3	GWC-48				9/14/20	14:18		3	2	1	X	X	X	X			
4	GWC-48Z				9/14/20	11:51		3	2	1	X	X	X	X			
5	GWC-49R																
6	Dup-1				9/14/20	-		3	2	1	X	X	X	X			
7	Dup-2				9/14/20	16:26		3	2	1	X	X	X	X			
8	FBL0914120																
9	EGBL																
10	FBL																
11	EGBL																
12	EGBL																

ADDITIONAL COMMENTS
 State Media product Sp, Ar, Ba, Bi, Ca, Cr, Cu, Pb, Ni, Se, Ag, TL, V, Zn, Co

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
<i>DERONICA FOY</i>	9/14	5:00	<i>CINDY HOWARD</i>	9/14	5:08
<i>CINDY HOWARD</i>	9/14	9:25	<i>WILLIAM PACE</i>	9/16	9:25
<i>LYN WILLIAMS / PACE</i>	9/16	14:57	<i>KEVIN STEPHENSON</i>	9/16/1457	08:08

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: *Will Leaker, Kevin Stephenson, Veronica Foy*
 SIGNATURE of SAMPLER: *[Signatures]* DATE Signed (MM/DD/YYYY): *9/14/20*

SAMPLE CONDITIONS
 Temp in °C:
 Received on ice (Y/N):
 Custody Sealed Cooler (Y/N):
 Samples Intact (Y/N):



CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@resoluteenergy.com Phone: (678)9489415 Requested Date Data/FAT: 18 Day		Section B Required Project Information: Report To: Kevin Stephenson Copy To: Rhonda Quinn Purchase Order No.: Project Name: Plant Bowen Land Fill Project Number:		Section C Invoice Information: Attention: Southern Co. Company Name: Address: P.O. Box: P.O. Project: P.O. Project Manager: P.O. Project # 2928		REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/> Site Location STATE: GA	
---	--	--	--	--	--	---	--

ITEM #	Section D Required Client Information	Valid Matrix Codes MATERIAL	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives		Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
						DATE	TIME	DATE			TIME	H ₂ SO ₄				
1	GWA-39Z	DOMESTIC WATER WASTE WATER PRODUCT OIL WIPE AIR OTHER TSS	DW WW P SL WIP AK OT							Unpreserved						
2	GWA-39RZ															
3	GWA-40															
4	GWA-41															
5	GWA-41R															
6	GWA-42															
7	GWA-43															
8	GWA-43R															
9	GWC-44															
10	GWC-45															
11	GWC-45R															
12	GWC-46R															

Section D ADDITIONAL COMMENTS: Sign Method includes SS, AS, BS, BS, CQ, CA, CQ, CP, CP, PL, PL, SP, AP, LV, DV, CO		REMANUSCIBED BY / AFFILIATION Veronica Fay Cindy Marder Linda Marder Veronica Fay		DATE 9/15 9/25 9/16/08 9/15/10		TIME 5:00 9:25 1:00 1:55		ACCEPTED BY / AFFILIATION Veronica Fay Cindy Marder Linda Marder Veronica Fay		DATE 9/15 9/16/08 9/16/10 9/15/10		TIME 5:00 9:25 1:00 1:55		SAMPLE CONDITIONS Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (N/A)	
---	--	---	--	--	--	--------------------------------------	--	---	--	---	--	--------------------------------------	--	---	--

Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to face charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020Rev.07 15-Feb-2007

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
Requested Client Information:

Company: **GA Power**
Address: **1003 Weatherstone Parkway
Woodstock, Ga 30188**
Email To: **Kevin.Stepphenson@Resoluteenv.com**
Phone: **(978)5489415**
Requested Date DEM/TAI: **10 Day**

Section B
Rebuttal Project Information:

Report To: **Kevin Stepphenson**
Copy To: **Rhonda Quinn**
Purchase Order No.:
Project Name: **Pleant Bowen Land Fill**
Project Number:

Section C
Investor Information:

Attention: **Southern Co.**
Company Name:
Address:
Site Location Manager: **Kevin Herring**
Phone Profile #: **2928**

Section C
REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER CER

Site Location STATE: **GA**

ITEM #	Section D Required Client Information	Valid Matrix Codes BELTIX DOMESTIC WATER WATER WASTEWATER PRODUCT SOLIDS OTHER	Section E CODE DW WW P SL W AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₅ Methanol Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N)					
						COMPOSITE		DATE						TIME	DATE	TIME	DATE	TIME
						DATE	TIME											
1	GWC-47																	
2	GWC-47R																	
3	GWC-49																	
4	GWC-49Z																	
5	GWC-49R																	
6	Dup-1																	
7	Dup-2																	
8	FBI.091520																	
9	EQBL																	
10	FBI																	
11	EQBL																	
12																		

REQUISITIONED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Vernice Fog	9/15	5:00	Kevin Stepphenson	9/10	5:00	
Cindy Morris	9/16	9:25	Rhonda Quinn	9/10	9:25	
Rhonda Quinn	9/16/12	1455	Kevin Stepphenson	9/10/12	1455	

State Maps include So, As, Ba, Ba, Ca, Ca, O, Ca, Ph, N, S, S, A, T, V, Zn, Co

TEMPERATURE: **0.8**

Received on Ice (Y/N): **Y**

Custody Sealed Cooler (Y/N): **Y**

Samples Intact (Y/N): **Y**

PH: **7.64**

Residual Chlorine (Y/N): **4264171**

Pace Project No./Lab ID: **6264171**

Requester Name and Signature: **Vernice Fog**, **9/15/12**

December 31, 2020

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LANDFILL RESAMPLE
Pace Project No.: 92512095

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on December 16, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Herring
kevin.herring@pacelabs.com
1(704)875-9092
HORIZON Database Administrator

Enclosures

cc: Michelle Barker, WOOD E&I
Kristen Jurinko
Ms. Lauren Petty, Southern Co. Services
Rhonda Quinn, WOOD E&I
Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92512095001	GWC-23R	Water	12/15/20 11:14	12/16/20 09:48
92512095002	GWC-45	Water	12/15/20 12:43	12/16/20 09:48
92512095003	FBL121520	Water	12/15/20 13:19	12/16/20 09:48

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92512095001	GWC-23R	SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92512095002	GWC-45	EPA 6020B	CW1	1
92512095003	FBL121520	EPA 6020B	CW1	1
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92512095001	GWC-23R					
	Performed by	CUSTOME			12/15/20 11:14	
		R				
	Collected By	William L.,			12/15/20 11:14	
		Joe Booth				
	Collected Date	12/15/20			12/15/20 11:14	
	Collected Time	11:14			12/15/20 11:14	
	pH	7.39	Std. Units		12/15/20 11:14	
SM 2450C-2011	Total Dissolved Solids	351	mg/L	10.0	12/16/20 13:33	
EPA 300.0 Rev 2.1 1993	Sulfate	61.2	mg/L	1.0	12/23/20 05:09	
92512095002	GWC-45					
	Performed by	CUSTOME			12/15/20 12:43	
		R				
	Collected By	William L.,			12/15/20 12:43	
		Joe Booth				
	Collected Date	12/15/20			12/15/20 12:43	
	Collected Time	12:43			12/15/20 12:43	
	pH	4.92	Std. Units		12/15/20 12:43	
EPA 6020B	Antimony	0.0014J	mg/L	0.0030	12/23/20 18:32	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GWC-23R									
Lab ID: 92512095001									
Collected: 12/15/20 11:14									
Received: 12/16/20 09:48									
Matrix: Water									
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		12/15/20 11:14		
Collected By	William L., Joe Booth				1		12/15/20 11:14		
Collected Date	12/15/20				1		12/15/20 11:14		
Collected Time	11:14				1		12/15/20 11:14		
pH	7.39	Std. Units			1		12/15/20 11:14		
2540C Total Dissolved Solids									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	351	mg/L	10.0	10.0	1		12/16/20 13:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	61.2	mg/L	1.0	0.50	1		12/23/20 05:09	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

Sample: GWC-45 **Lab ID: 92512095002** Collected: 12/15/20 12:43 Received: 12/16/20 09:48 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		12/15/20 12:43		
Collected By	William L., Joe Booth				1		12/15/20 12:43		
Collected Date	12/15/20				1		12/15/20 12:43		
Collected Time	12:43				1		12/15/20 12:43		
pH	4.92	Std. Units			1		12/15/20 12:43		
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0014J	mg/L	0.0030	0.00028	1	12/22/20 07:15	12/23/20 18:32	7440-36-0	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

Sample: FBL121520		Lab ID: 92512095003		Collected: 12/15/20 13:19	Received: 12/16/20 09:48	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	12/22/20 07:15	12/23/20 18:37	7440-36-0		
2540C Total Dissolved Solids		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		12/16/20 13:34			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Sulfate	ND	mg/L	1.0	0.50	1		12/23/20 05:24	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LANDFILL RESAMPLE
Pace Project No.: 92512095

QC Batch: 588640 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92512095002, 92512095003

METHOD BLANK: 3110198 Matrix: Water
Associated Lab Samples: 92512095002, 92512095003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00032J	0.0030	0.00028	12/23/20 15:02	

LABORATORY CONTROL SAMPLE: 3110199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3110200 3110201

Parameter	Units	3110200		3110201		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92511412041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	103	110	75-125	7	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LANDFILL RESAMPLE
Pace Project No.: 92512095

QC Batch: 587413 Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92512095001, 92512095003

METHOD BLANK: 3104376 Matrix: Water
Associated Lab Samples: 92512095001, 92512095003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	12/16/20 13:31	

LABORATORY CONTROL SAMPLE: 3104377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	401	100	84-108	

SAMPLE DUPLICATE: 3104378

Parameter	Units	92512071001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	83.0	80.0	4	10	

SAMPLE DUPLICATE: 3104379

Parameter	Units	92512103003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	289	299	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LANDFILL RESAMPLE
Pace Project No.: 92512095

QC Batch: 588917 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92512095001, 92512095003

METHOD BLANK: 3111308 Matrix: Water
Associated Lab Samples: 92512095001, 92512095003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/L	ND	1.0	0.50	12/23/20 01:10	

LABORATORY CONTROL SAMPLE: 3111309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	50	51.3	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3111312 3111313

Parameter	Units	3111312		3111313		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92512086002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfate	mg/L	20.6	50	50	75.5	76.1	110	111	90-110	1	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3111354 3111355

Parameter	Units	3111354		3111355		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92510010001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfate	mg/L	0.60J	50	50	54.5	55.4	108	110	90-110	1	10

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE


Project: BOWEN LANDFILL RESAMPLE

Pace Project No.: 92512095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92512095001	GWC-23R				
92512095002	GWC-45				
92512095002	GWC-45	EPA 3005A	588640	EPA 6020B	588761
92512095003	FBL121520	EPA 3005A	588640	EPA 6020B	588761
92512095001	GWC-23R	SM 2450C-2011	587413		
92512095003	FBL121520	SM 2450C-2011	587413		
92512095001	GWC-23R	EPA 300.0 Rev 2.1 1993	588917		
92512095003	FBL121520	EPA 300.0 Rev 2.1 1993	588917		

REPORT OF LABORATORY ANALYSIS

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	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: G-A Power

Project #: **WO#: 92512095**

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 12/16/26

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A LOH

Thermometer: IR Gun ID: 233 Type of Ice: Wet Blue None

Cooler Temp: 3.8 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.2

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?
 Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>W</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt(SCUR)

Document Revised: October 28, 2020
Page 2 of 2

Document No.:
F-CAR-CS-033-Rev.07

Issuing Authority:
Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO# : 92512095

PM: KLH1

Due Date: 12/31/20

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: GA-GA Power

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-S035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		✓	✓																										
2																													
3		✓	✓																										
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	Georgia Power	Report To:	SCS Contacts	Attention:	
Address:	1003 Weatherstone Parkway Woodstock, GA 30188	Copy To:	Wood Contacts	Company Name:	
Email To:		Purchase Order #:		Address:	
Phone:	(678)548-9415 Fax	Project Name:	Plant Bowen Landfill Resample	Pace Quote:	
Requested Due Date:	5 Day TAT	Project Number:		Pace Project Manager:	Kevin Herring
				Pace Profile #:	10844
				Regulatory Agency:	
				State / Location:	

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
					START	END			H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			
	Drinking Water Water Waste Water Surface Other Tissue	DW WT WW SL WP AR OT TS			DATE	TIME	DATE	TIME	Unpreserved									
1	GWC-23R		WT G	12/15/20	11:4			2	2									
2	GWC-45		WT G	12/15/20	12:43			1	1									
3	FBL121520		WT G	12/15/20	13:19			3	2	1								
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME
William Locker / Resolute		12/16/20	09:46	K. Williams / Pace		12/16/20	09:48
SAMPLER NAME AND SIGNATURE							
PRINT Name of SAMPLER:				DATE signed:			
William Locker, Joe Booth				12/15/20			
SIGNATURE of SAMPLER:							

TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

92512895

Data Evaluation Narrative

Project: Plant Bowen CCR Event # 15 Groundwater Detection Monitoring/

Semiannual State Design and Operation Permit Monitoring

Wood Project Number: 6122160287.2003.****

Site: Landfill Cells 1&2 - Plant Bowen, Georgia

Matrix: Groundwater

Pace SDG Nos: 92495870

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the CCR Event # 15 Groundwater Detection Monitoring Sampling and the Semiannual State Design and Operation (D&O) Permit sampling event conducted at Landfill Cells 1 & 2 at Plant Bowen, located in Cartersville, Georgia in September 2020 for Southern Company Services (SCS). The samples were collected and analyzed per the protocols presented in the Plant Bowen *Field Sampling Plan* (FSP), Revision 1, Update 3 (Amec Foster Wheeler, 2017). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory’s precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the “U” flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection; however, the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

Deliverables

The data package as submitted to Wood Environment & Infrastructure Solutions, Inc. (Wood) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6010D, SW6020B, SW7470A, EPA 300.0, and SM 2540C.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for CCR Appendix III metals and State D&O Permit metals by Method SW6020B, calcium by SW6010D, mercury by Method SW7470, anions (chloride, fluoride, and sulfate) by Method 300.0, and total dissolved solids (TDS) by Method SM 2540C.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and/or quality control (QC) samples:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
GWA-1	09/15/20	II	GWC-11R	09/21/20	II
GWA-2	09/15/20	II	GWC-12	09/21/20	II
GWA-2R	09/15/20	II	GWC-14Z	09/21/20	II
GWA-50R	09/15/20	II	GWC-15Z	09/21/20	II
GWC-5	09/16/20	II	GWC-15R	09/21/20	II
GWC-6	09/16/20	II	GWC-13	09/22/20	II
GWC-6RZ	09/16/20	II	GWC-13RZ	09/22/20	II
GWC-7Z	09/16/20	II	<u>QC Samples</u>		
GWA-50	09/16/20	II	FBL091520	09/15/20	II
GWA-4RZ	09/17/20	II	FBL091720	09/17/20	II
GWC-8Z	09/17/20	II	FBL092120	09/21/20	II
GWC-8RR	09/17/20	II	FBL092220	09/22/20	II
GWC-9	09/17/20	II	DUP-1	09/16/20	II
GWC-10	09/17/20	II	DUP-2	09/17/20	II
GWC-10R	09/17/20	II	DUP-3	09/21/20	II
GWC-11	09/21/20	II			

These samples were collected from Landfill Cells 1&2 between September 15 and September 22, 2020. Sample DUP-1 is a field duplicate of sample GWA-50, DUP-2 is a field duplicate of sample GWC-9, and DUP-3 is a field duplicate of sample GWC-14Z. Samples FBL091520, FBL091720, FBL092120, and FBL092220 are field blanks. No equipment blanks are required for Landfill Cells 1&2 because each of the wells sampled have dedicated systems.

The analytical results for the metals, anions, and TDS data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Metals (SW6010D/6020B/SW7470A)

The samples were submitted to Pace for CCR Appendix III and State D&O Permit metals by Method SW6010D, SW6020B and/or mercury by SW7470A. The CCR Appendix III metals are: boron (B) and calcium (Ca). The State D&O Permit metals are: antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), vanadium (V), and zinc (Zn). Each of the Level II components were within QC limits except for method and field blank contamination and MS/MSD recoveries.

Holding Times

The sample analyses were performed within the 6-month and 28-day (for mercury) analysis holding times.

Method Blanks

The method blanks associated with the samples analyzed within this SDG contained antimony between the method detection limit (MDL) and the reporting limit (RL). Results less than five times the blank are considered not detected as a possible laboratory artifact: **Reason Code: BL**.

Action: The antimony result for sample GWA-50R was qualified as not detected due to possible method blank contamination and flagged "U".*

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Batch MS/MSD analyses for metals were performed on samples GWC-5, GWC-6, GWA-2, DUP-1, GWC-15Z, GWA-2, and GWC-11. The recoveries and RPDs were within QC limits except for the MS for calcium in sample GWC-5, and the MS and MSD for calcium in sample GWC-6.

Action: No qualification was necessary because the MSD and RPD were within QC limits for GWC-5, and the parent sample result for GWC-6 was greater than 4x the spike amount.

Post Digestion Spike (PDS)

A PDS analysis was not available for review.

Field Duplicate Precision

Three field duplicate sample pairs (GWA-50/DUP-1, GWC-9/DUP-2 and GWC-14Z/DUP-3) were collected with this SDG, and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinse Blanks, Field Blanks)

Field accuracy was measured through the collection of field blanks. Field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. No equipment blanks are required for LF Cells 1&2 because each of the wells sampled have dedicated systems. One of the field blanks (FBL091520) reported cadmium between the MDL and the RL. Results less than five times the field and/or equipment blank are considered "not detected" as a possible field artifact. **Reason Code: BF:**

Action: No qualification was necessary for cadmium because it was not detected in the associated samples.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Methods SW6020B and SW7470A.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator.

Total and Dissolved Metals Comparison

If total and dissolved metals samples were collected, comparison of the total and dissolved results can aid in the representativeness of the total metals value versus the metals that may be associated with suspended solids and metals actually dissolved within the water column. The dissolved metals results should be less than or equal to the total metals concentration for positive results greater than 5 times the RL. No dissolved samples were collected and reported in this SDG.

Anions (EPA 300.0)

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300.0. Each of the Level II components were within the QC limits.

Holding Times

The sample analyses were performed within the 28-day analysis holding times.

Method Blanks

The method blank associated with the samples analyzed in this SDG contained no reportable detections of anions.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The batch MS/MSD for anions was performed samples GWC-1, GWA-50, and GWC-15Z and the recoveries and RPDs were within QC limits.

Field Duplicate Precision

Three field duplicate sample pairs (GWA-50/DUP-1, GWC-9/DUP-2 and GWC-14Z/DUP-3) were collected with this SDG, and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of field blanks. The field blanks did not contain positive results for anions.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator.

TDS (SM 2540C)

The samples were submitted to Pace for TDS by Method SM 2540C. Each of the Level II components were within the QC limits with the exception of field and laboratory duplicate precision.

Holding Times

The sample analyses were performed within the 7-day analysis holding times.

Method Blanks

The analytical method does not require the analysis of a method blank.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Field Duplicate Precision

Three field duplicate samples (GWA-50/DUP-1, GWC-9/DUP-2 and GWC-14Z/DUP-3) were collected with these SDGs, and the RPDs were out of QC limits for GWA-50/DUP-1 and GWC-9/DUP-2. **Reason Code: FD**

Action: The TDS results for samples GWA-50, DUP-1, GWC-9, and DUP-2 were qualified as estimated and flagged "J".

Laboratory Duplicate Precision

The laboratory performed a duplicate analysis on samples FBL0091520, DUP-1, GWC-8RR, and GWC-11, and the RPD was outside of QC limits for DUP-1. **Reason Code: LD**

Action: No additional qualification was necessary because the associated result was previously qualified as estimated for field duplicate precision.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

The field blanks associated with the samples in this SDG did not contain TDS.

Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM 2540C. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates, however no TDS results were reported between the MDL and RL.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan and validation SOPs. No professional judgment was used to modify flags for results reported in samples presented in this SDG.

Completeness

A total of 23 wells, along with the required QC samples, were sampled and analyzed during the September event in Landfill Cells 1&2 according to the FSP (Amec Foster Wheeler, 2017). The 23 well locations along with field blank samples were reported in this SDG and were sampled and analyzed as scoped. One additional well location (GWA-3) was to be sampled only after redevelopment, which was unsuccessful. Therefore, no sample was collected and the well recommended for replacement.

The field completeness was calculated as 95.8% because one well was not sampled. However, the analytical completeness for this SDG was 100%. Therefore, the overall completeness was acceptable.

References

Amec Foster Wheeler, 2017. *Field Sampling Plan – Plant Bowen*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), Revision 1, Update 3, October 16, 2017.

USEPA, 2014. *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: DWK 10/13/20

Checked by/Date: JAH 10/15/20

TABLE 1
SUMMARY OF DATA QUALIFIERS

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92495870
SAMPLING DATES: September 15-17, 2020 and September 21-22, 2020
Plant Bowen Landfill Cells 1 & 2: Event 15

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
FBL-091520	Field Blank	FB	92495870	6020B	cadmium	0.00034	J	J	--	mg/L
GWA-1	GWA-1	N	92495870	300.0	fluoride	0.05	J	J	--	mg/L
GWA-1	GWA-1	N	92495870	300.0	sulfate	0.96	J	J	--	mg/L
GWA-1	GWA-1	N	92495870	6020B	boron	0.01	J	J	--	mg/L
GWA-1	GWA-1	N	92495870	6020B	cobalt	0.00048	J	J	--	mg/L
GWA-1	GWA-1	N	92495870	6020B	lead	0.000093	J	J	--	mg/L
GWA-2	GWA-2	N	92495870	6020B	boron	0.0053	J	J	--	mg/L
GWA-2	GWA-2	N	92495870	6020B	chromium	0.00086	J	J	--	mg/L
GWA-2R	GWA-2R	N	92495870	300.0	chloride	0.75	J	J	--	mg/L
GWA-2R	GWA-2R	N	92495870	6020B	arsenic	0.00081	J	J	--	mg/L
GWA-2R	GWA-2R	N	92495870	6020B	boron	0.0074	J	J	--	mg/L
GWA-2R	GWA-2R	N	92495870	6020B	cobalt	0.001	J	J	--	mg/L
GWA-2R	GWA-2R	N	92495870	6020B	lead	0.00005	J	J	--	mg/L
GWA-2R	GWA-2R	N	92495870	6020B	nickel	0.0013	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	92495870	300.0	fluoride	0.12	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	92495870	6010D	zinc	0.0047	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	92495870	6020B	antimony	0.00087	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	92495870	6020B	arsenic	0.0011	J	J	--	mg/L
GWA-4RZ	GWA-4RZ	N	92495870	6020B	boron	0.015	J	J	--	mg/L
GWA-50	GWA-50	N	92495870	300.0	chloride	0.97	J	J	--	mg/L
GWA-50	GWA-50	N	92495870	2540C	total dissolved solids	20		J	FD	mg/L
GWA-50	GWA-50	N	92495870	6020B	barium	0.0081	J	J	--	mg/L
GWA-50	GWA-50	N	92495870	6020B	copper	0.0018	J	J	--	mg/L
GWA-50	GWA-50	N	92495870	6020B	lead	0.000093	J	J	--	mg/L
GWA-50	GWA-50	N	92495870	6020B	silver	0.00042	J	J	--	mg/L
DUP-1	GWA-50	FD	92495870	300.0	chloride	0.98	J	J	--	mg/L
DUP-1	GWA-50	FD	92495870	2540C	total dissolved solids	25	D6	J	FD, LD	mg/L
DUP-1	GWA-50	FD	92495870	6020B	barium	0.0079	J	J	--	mg/L
DUP-1	GWA-50	FD	92495870	6020B	boron	0.0079	J	J	--	mg/L
DUP-1	GWA-50	FD	92495870	6020B	copper	0.0019	J	J	--	mg/L
DUP-1	GWA-50	FD	92495870	6020B	nickel	0.00075	J	J	--	mg/L
DUP-1	GWA-50	FD	92495870	6020B	silver	0.00043	J	J	--	mg/L
GWA-50R	GWA-50R	N	92495870	300.0	chloride	0.7	J	J	--	mg/L
GWA-50R	GWA-50R	N	92495870	300.0	sulfate	0.54	J	J	--	mg/L
GWA-50R	GWA-50R	N	92495870	6020B	calcium	0.94	J	J	--	mg/L
GWA-50R	GWA-50R	N	92495870	6020B	antimony	<0.00048	J, B	U*	BL	mg/L
GWA-50R	GWA-50R	N	92495870	6020B	barium	0.0089	J	J	--	mg/L
GWA-50R	GWA-50R	N	92495870	6020B	beryllium	0.000085	J	J	--	mg/L
GWA-50R	GWA-50R	N	92495870	6020B	copper	0.0031	J	J	--	mg/L
GWA-50R	GWA-50R	N	92495870	6020B	nickel	0.0012	J	J	--	mg/L
GWA-50R	GWA-50R	N	92495870	6020B	silver	0.0012	J	J	--	mg/L
GWC-10	GWC-10	N	92495870	300.0	sulfate	0.87	J	J	--	mg/L
GWC-10	GWC-10	N	92495870	6020B	chromium	0.0011	J	J	--	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92495870
SAMPLING DATES: September 15-17, 2020 and September 21-22, 2020
Plant Bowen Landfill Cells 1 & 2: Event 15

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-10R	GWC-10R	N	92495870	300.0	sulfate	0.95	J	J	--	mg/L
GWC-11	GWC-11	N	92495870	6020B	antimony	0.00091	J	J	--	mg/L
GWC-11	GWC-11	N	92495870	6020B	barium	0.0093	J	J	--	mg/L
GWC-11	GWC-11	N	92495870	6020B	chromium	0.0081	J	J	--	mg/L
GWC-11R	GWC-11R	N	92495870	6010D	zinc	0.0037	J	J	--	mg/L
GWC-11R	GWC-11R	N	92495870	6020B	arsenic	0.0012	J	J	--	mg/L
GWC-11R	GWC-11R	N	92495870	6020B	chromium	0.0056	J	J	--	mg/L
GWC-12	GWC-12	N	92495870	300.0	chloride	0.71	J	J	--	mg/L
GWC-12	GWC-12	N	92495870	6010D	zinc	0.0065	J	J	--	mg/L
GWC-12	GWC-12	N	92495870	6020B	cadmium	0.00025	J	J	--	mg/L
GWC-12	GWC-12	N	92495870	6020B	cobalt	0.0029	J	J	--	mg/L
GWC-12	GWC-12	N	92495870	6020B	nickel	0.0019	J	J	--	mg/L
GWC-13	GWC-13	N	92495870	6020B	arsenic	0.00098	J	J	--	mg/L
GWC-13	GWC-13	N	92495870	6020B	boron	0.0087	J	J	--	mg/L
GWC-13	GWC-13	N	92495870	6020B	chromium	0.0062	J	J	--	mg/L
GWC-13	GWC-13	N	92495870	6020B	lead	0.00015	J	J	--	mg/L
GWC-13RZ	GWC-13RZ	N	92495870	300.0	fluoride	0.1	J	J	--	mg/L
GWC-13RZ	GWC-13RZ	N	92495870	6020B	antimony	0.00079	J	J	--	mg/L
GWC-13RZ	GWC-13RZ	N	92495870	6020B	arsenic	0.00086	J	J	--	mg/L
GWC-13RZ	GWC-13RZ	N	92495870	6020B	boron	0.01	J	J	--	mg/L
GWC-13RZ	GWC-13RZ	N	92495870	6020B	lead	0.000071	J	J	--	mg/L
GWC-14Z	GWC-14Z	N	92495870	6020B	beryllium	0.000095	J	J	--	mg/L
GWC-14Z	GWC-14Z	N	92495870	6020B	lead	0.00023	J	J	--	mg/L
DUP-3	GWC-14Z	FD	92495870	6020B	zinc	0.0059	J	J	--	mg/L
DUP-3	GWC-14Z	FD	92495870	6020B	antimony	0.00045	J	J	--	mg/L
DUP-3	GWC-15Z	FD	92495870	6020B	beryllium	0.000075	J	J	--	mg/L
GWC-15R	GWC-15R	N	92495870	6010D	zinc	0.0036	J	J	--	mg/L
GWC-15R	GWC-15R	N	92495870	6020B	antimony	0.0021	J	J	--	mg/L
GWC-15R	GWC-15R	N	92495870	6020B	boron	0.0075	J	J	--	mg/L
GWC-15R	GWC-15R	N	92495870	6020B	chromium	0.0016	J	J	--	mg/L
GWC-15R	GWC-15R	N	92495870	6020B	lead	0.00093	J	J	--	mg/L
GWC-15R	GWC-15R	N	92495870	6020B	nickel	0.0015	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	92495870	300.0	chloride	0.64	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	92495870	300.0	sulfate	0.9	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	92495870	6020B	chromium	0.00089	J	J	--	mg/L
GWC-15Z	GWC-15Z	N	92495870	6020B	lead	0.000075	J	J	--	mg/L
GWC-5	GWC-5	N	92495870	300.0	chloride	0.7	J	J	--	mg/L
GWC-5	GWC-5	N	92495870	6020B	beryllium	0.00069	J	J	--	mg/L
GWC-5	GWC-5	N	92495870	6020B	copper	0.017	J	J	--	mg/L
GWC-5	GWC-5	N	92495870	6020B	nickel	0.0075	J	J	--	mg/L
GWC-6	GWC-6	N	92495870	6020B	barium	0.0074	J	J	--	mg/L
GWC-6	GWC-6	N	92495870	6020B	chromium	0.0022	J	J	--	mg/L
GWC-6	GWC-6	N	92495870	6020B	lead	0.00012	J	J	--	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92495870
SAMPLING DATES: September 15-17, 2020 and September 21-22, 2020
Plant Bowen Landfill Cells 1 & 2: Event 15

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-6RZ	GWC-6RZ	N	92495870	6020B	barium	0.0066	J	J	--	mg/L
GWC-6RZ	GWC-6RZ	N	92495870	6020B	beryllium	0.000067	J	J	--	mg/L
GWC-6RZ	GWC-6RZ	N	92495870	6020B	chromium	0.0023	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	92495870	300.0	chloride	0.79	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	92495870	6020B	antimony	0.0012	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	92495870	6020B	boron	0.0052	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	92495870	6020B	cobalt	0.00072	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	92495870	6020B	lead	0.00011	J	J	--	mg/L
GWC-7Z	GWC-7Z	N	92495870	6020B	thallium	0.00019	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	92495870	300.0	chloride	0.77	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	92495870	300.0	sulfate	0.6	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	92495870	6020B	antimony	0.00082	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	92495870	6020B	chromium	0.00086	J	J	--	mg/L
GWC-8RR	GWC-8RR	N	92495870	6020B	lead	0.0008	J	J	--	mg/L
GWC-8Z	GWC-8Z	N	92495870	300.0	sulfate	0.74	J	J	--	mg/L
GWC-8Z	GWC-8Z	N	92495870	6020B	beryllium	0.000049	J	J	--	mg/L
GWC-8Z	GWC-8Z	N	92495870	6020B	chromium	0.0017	J	J	--	mg/L
GWC-8Z	GWC-8Z	N	92495870	6020B	lead	0.000065	J	J	--	mg/L
GWC-9	GWC-9	N	92495870	2540C	total dissolved solids	94		J	FD	mg/L
GWC-9	GWC-9	N	92495870	6020B	beryllium	0.000048	J	J	--	mg/L
GWC-9	GWC-9	N	92495870	6020B	lead	0.000079	J	J	--	mg/L
DUP-2	GWC-9	FD	92495870	2540C	total dissolved solids	70		J	FD	mg/L
DUP-2	GWC-9	FD	92495870	6020B	beryllium	0.000054	J	J	--	mg/L
DUP-2	GWC-9	FD	92495870	6020B	lead	0.000084	J	J	--	mg/L
DUP-2	GWC-9	FD	92495870	6020B	selenium	0.0021	J	J	--	mg/L

Laboratory Qualifiers:

B = Analyte detected in the associated method blank.
 J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
 D6 = The precision between the sample and the sample duplicate exceeded laboratory control limits.

Reason Codes:

BL = Laboratory blank contamination. The result should be considered "not-detected".
 FD = Field duplicate imprecision.
 LD = Laboratory duplicate imprecision.
 -- = No Reason Code assigned for values detected between the method detection limit (MDL) and the reporting limit (RL);estimated quantitation.

Validation Qualifiers:

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.
 U* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Prepared by/Date: DWK 10/13/20
 Checked by/Date: JAH 10/15/20

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Metals and Mercury by SW6010D/SW6020B/SW7470

Laboratory and Lot: Pace SDG: 92495870

Reviewer/Date: D. Knaub 10/13/20 **Senior Reviewer/Date:** J. Hartness 10/15/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>
<input checked="" type="checkbox"/>			<p>Case Narrative and COC Completeness Review OK</p>
<input checked="" type="checkbox"/>			<p>Sample Preservation and cooler temperature met (HNO₃ to pH<2) OK, 4.3, 4.1, 3.0, 0.8°C</p>
<input checked="" type="checkbox"/>			<p>Holding times met (180 days; Hg = 28 days) Coll: 09/15/20-09/17/20, 09/21/20-09/22/20 Prep: metals <u>6010</u> – 09/16/20, 09/24/20, 09/25/20 <u>6020</u> - 09/18/20, 09/23/20, 09/24/20, 09/28/20 <u>Hg</u> - 09/18/20, 09/22/20, 09/28/20 Anal: metals: <u>6010</u> - 09/17/20, 09/24/20, 09/28/20, 09/29/20 <u>6020</u> – 09/22/20, 09/23/20, 09/25/20, 09/28/20, 09/29/20, 09/30/20 <u>Hg</u> – 09/18/20, 09/23/20, 09/29/20</p>
<input checked="" type="checkbox"/>			<p>QC Blanks Review <u>Method Blanks:</u> p. 45 MB 3004555 6010 = ND p. 46 MB 3011664 6010 = ND p. 47 MB 3011975 6010 = ND p. 48 MB 3014892 6010 = ND p. 49 MB 3006748 6020 Sb = 0.00033J x 5 = 0.00165 (batch 567397) Assoc. results < 5x flagged "U*" (results < RL become the MDL): Reason Code BL GWA-50R p. 51 MB 3011604 6020 = ND p. 53 MB 3011696 6020 = ND p. 55 MB 3013302 6020 = ND p. 57 MB 3016873 6020 = ND p. 59 MB 3006139 Hg = ND p. 60 MB 3009608 Hg = ND p. 61 MB 3009635 Hg = ND p. 62 MB 3016189 Hg = ND</p>

Metals and Mercury by SW6020B/SW7470 (cont.)

YES NO NA

COMMENTS

Field Blanks:

FBL-091520 Cd= 0.00034 J x5 = 0.0017 mg/L

Assoc. results flagged U*: Reason Code: BF No flags, assoc. results ND

FBL-091720, FB-092120, and FB-092220 were all ND

**Laboratory Control Sample (LCS) recovery within limits
(Metals 70-130%, Hg = 80-120%)**

- p. 45 LCS 3004556 6010 – all ok
- p. 46 LCS 3011665 6010 – all ok
- p. 47 LCS 3011976 6010 – all ok
- p. 48 LCS 3014893 6010 – all ok
- p. 49 LCS 3006749 6020 – all ok
- p. 51 LCS 3011605 6020 – all ok
- p. 53 LCS 3011697 6020 – all ok
- p. 55 LCS 3013303 6020 – all ok
- p. 57 LCS 3016873 6020 – all ok
- p. 59 LCS 3006140 Hg = 102%
- p. 60 LCS 3009609 Hg = 100%
- p. 61 LCS 3009636 Hg = 94%
- p. 62 LCS 3016190 Hg = 99%

Lab Duplicate - Field Duplicate precision goals met (20%)

lab dups are MS/MSDs (see below)

	RL	GWA-50	DUP-1	*Diff/RPD	GWC-9	DUP-2	*Diff/RPD	GWC-14Z	DUP-3	*Diff/RPD
Sb	0.003	ND	ND	-	ND	ND	-	ND	0.00045J	-
Ba	0.01	0.0081J	0.0079J	0.0002	0.031	0.034	9.2%	0.013	0.013	0.0%
Be	0.0030	ND	ND	-	0.000048J	0.000054J	0.000006	0.000095J	0.000075J	0.00002
B	0.04	ND	0.0079J	-	ND	ND	-	ND	ND	-
Ca	1.0	1.7	1.7	0.0%	18.3	17.8	2.8%	13.1	13.3	1.5%
Cu	0.025	0.0018J	0.0019J	0.0001	ND	ND	-	ND	ND	-
Pb	0.005	0.000093J	ND	-	0.000079J	0.000084J	0.000005	0.00023J	ND	-
Ni	0.010	ND	0.00075J	-	ND	ND	-	ND	ND	-
Se	0.010	ND	ND	-	ND	0.0021J	-	ND	ND	-
Ag	0.010	0.00042J	0.00043J	0.00001	ND	ND	-	ND	ND	-
Zn	0.01	ND	ND	-	ND	ND	-	ND	0.0059J	-

*for results <RL, diff is <RL; OK

Metals and Mercury by SW6020B/SW7470 (cont.)

YES NO NA

COMMENTS

Matrix Spike recoveries and RPDs within limits (75-125%, RPD 20)

- p. 45 not a sample from this SDG
- p. 46 GWC-5 Ca = 85, 71% RPD = 4 *No flag, MS and RPD ok*
 GWC-6 Ca = 1960, 2000% RPD = 1 *No flag, result > 4x spike*
- p. 47 not samples from this SDG
- p. 48 not a sample from this SDG
- p. 50 GWA-2 (6020) All %rec and RPDs ok
- p. 52 not a sample from this SDG
- p. 54 DUP-1 (6020) All %rec and RPDs ok
- p. 56 not a sample from this SDG
- p. 58 GWC-15Z (6020) All %rec and RPDs ok
- p. 59 not a sample from this SDG
- p. 60 GWA-2 Hg = 95, 99% RPD = 4
- p. 61 DUP-1 Hg = 94, 100% RPD = 6
- p. 62 GWC-11 Hg = 99, 108% RPD = 8

Total metals vs dissolved metals within limits (RPD < 20% or diff. < RL)

No dissolved metals in this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Anions (chloride, fluoride, sulfate) by EPA 300.0

Laboratory and Lot: Pace SDG: 92495870

Reviewer/Date: D. Knaub 10/13/20 **Senior Reviewer/Date:** J. Hartness 10/15/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>
<input checked="" type="checkbox"/>			<p>Case Narrative and COC Completeness Review OK</p>
<input checked="" type="checkbox"/>			<p>Sample Preservation and cooler temperature met (Cool to 6°C) OK, 4.3, 4.1, 3.0, 0.8°C</p>
<input checked="" type="checkbox"/>			<p>Holding times met (Cl, SO₄, F – 28 days) Coll: 09/15/20-09/17/20, 09/21/20-09/22/20 Anal: 09/17/20, 09/21/20, 09/24/20, 09/27/20</p>
<input checked="" type="checkbox"/>			<p>QC Blanks Review <u>Method Blanks:</u> p. 69 MB 3004873 = ND p. 70 MB 3009478 = ND p. 71 MB 3011350 = ND p. 72 MB 3011360 = ND p. 73 MB 3015927 = ND</p> <p><u>Field Blanks:</u> FBL-091520, FBL-091720, FB-092120, and FB-092220 all ND</p>
<input checked="" type="checkbox"/>			<p>Laboratory Control Sample (LCS) recovery within limits (90-110%) p. 69 LCS 3004874 %rec OK p. 70 LCS 3009479 %rec OK p. 71 LCS 3011351 %rec OK p. 72 LCS 3011361 %rec OK p. 73 LCS 3015928 %rec OK</p>

Anions (chloride, fluoride, sulfate) by EPA 300.0 (cont.)

YES

NO

NA

COMMENTS

Lab Duplicate - Field Duplicate precision goals met (20%)

	GWA-50	DUP-1	*Diff/RPD	GWC-9	DUP-2	*Diff/RPD	GWC-14Z	DUP-3	*Diff/RPD
Cl ⁻	0.97J	0.98J	0.01	1.9	1.9	0.0%	3.5	3.5	0.0%
F ⁻	ND	ND	-	ND	ND	-	ND	ND	-
SO ₄	ND	ND	-	3.5	3.5	0.0%	5.5	5.5	0.0%

Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)

- p. 69 GWC-1 - %rec and RPDs OK
- p. 70 GWA-50 – %rec and RPD ok.
- p. 71 - not samples from this SDG
- p. 72 GWC-15Z – %rec and RPD ok.
- p. 73 - not samples from this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: TDS by SM 2540C

Laboratory and Lot: Pace SDG: 92495870

Reviewer/Date: D. Knaub 10/13/20 **Senior Reviewer/Date:** J. Hartness 10/15/20

YES NO NA COMMENTS

 Case Narrative and COC Completeness Review
OK

 Sample Preservation and cooler temperature met (Cool to 6°C)
OK, 4.3, 4.1, 3.0, 0.8°C

 Holding times met (7 days)
Coll: 09/15/20-09/17/20, 09/21/20-09/22/20
Anal: 09/17/20, 09/21/20-09/23/20, 09/25/20

 QC Blanks Review
Method Blanks:
p. 63 MB 3005336 TDS = ND p. 64 MB 3005362 TDS = ND
p. 65 MB 3009251 TDS = ND p. 66 MB 3010068 TDS = ND
p. 67 MB 3011476 TDS = ND p. 68 MB 3015749 TDS = ND

Field Blanks:
FBL-091520, FBL-091720, FB-092120, and FB-092220 all ND

 Laboratory Control Sample (LCS) recovery within lab limits
p. 63 LCS 3005337 TDS = 105% p. 64 LCS 3005363 TDS = 96%
p. 65 LCS 3009252 TDS = 103% p. 66 LCS 3010069 TDS = 96%
p. 67 LCS 3011477 TDS = 94% p. 68 LCS 3015750 TDS = 101%

 Lab Duplicate - Field Duplicate precision goals met (20%)

	GWA-50	DUP-1	*Diff/RPD	GWC-9	DUP-2	*Diff/RPD	GWC-14Z	DUP-3	*Diff/RPD
TDS	20	25	22.2%	94	70	29.3%	94	84	11.2%

Results flagged J: Reason Code: FD: GWA-50, DUP-1, GWC-9, and DUP-2

Lab Dups:

p. 63 not samples from this SDG
p. 64 FBL091520 RPD NC (both ND)
p. 65 DUP-1 RPD = 33% No additional flag, result flagged "J" for field dup. RPD
p. 66 GWC-8RR RPD = 1%
p. 67 GWC-11 RPD = 2%
p. 68 not samples from this SDG

TDS by SM 2540C (cont.)

YES NO NA

COMMENTS

Matrix Spike recoveries and RPDs within limits (if applicable)

No MS/MSD for TDS

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

Data Evaluation Narrative

**Project: Plant Bowen CCR Event # 15 Groundwater Detection Monitoring/
Semiannual State Design and Operation Permit Monitoring**

Wood Project Number: 6122160287.2003.****

Site: Landfill Cells 3 & 4 - Plant Bowen, Georgia

Matrix: Groundwater

Pace SDG No: 92495876

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the CCR Event # 15 Groundwater Detection Monitoring Sampling Event and the Semiannual State Design and Operation (D&O) Permit sampling event conducted at Landfill Cells 3 & 4 at Plant Bowen, located in Cartersville, Georgia in September 2020. The samples were collected and analyzed per the protocols presented in the Plant Bowen *Field Sampling Plan* (FSP), Revision 1, Update 3 (Amec Foster Wheeler, 2017). The following sections provide summary discussions of the required data qualifications for the methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory’s precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the “U” flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection; however, the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

Deliverables

The data package as submitted to Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly Amec Foster Wheeler) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6010D, SW6020B, SW7470A, EPA 300.0 and SM 2540C.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for CCR Appendix III metals and State D&O Permit metals by Method 6010D and 6020B, mercury by Method SW7470, anions (chloride, fluoride, and sulfate) by Method 300.0 and total dissolved solids (TDS) by Method SM 2540C.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and quality control (QC) samples:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
GWA-36R	09/14/20	II	GWC-18	09/09/20	II
GWC-20R	09/04/20	II	GWC-18R	09/09/20	II
GWC-25R	09/04/20	II	GWC-19R	09/09/20	II
GWA-55	09/04/20	II	GWC-23R	09/09/20	II
GWA-55R	09/04/20	II	GWC-24R	09/09/20	II
GWA-56	09/04/20	II	GWA-51RZ	09/09/20	II
GWA-36	09/03/20	II			
GWA-37	09/03/20	II	<u>QA/QC Samples:</u>		
GWA-38	09/03/20	II	EQBL-090820	09/08/20	II
GWA-52	09/03/20	II	EQBL-090920	09/09/20	II
GWC-21R	09/08/20	II	FBL-090320	09/03/20	II
GWC-22R	09/08/20	II	FBL-090420	09/04/20	II
GWA-53	09/08/20	II	FBL-090820	09/08/20	II
GWA-53R	09/08/20	II	FBL-090920	09/09/20	II
GWA-54	09/08/20	II	DUP-1-090320	09/03/20	II
GWC-16R	09/09/20	II	DUP-2-090320	09/08/20	II
GWC-17R	09/09/20	II	DUP-3-090920	09/09/20	II

The samples reported in this SDG were collected from Landfill Cells 3&4 between September 3-4, September 8-9, and September 14, 2020. Sample DUP-1 is the field duplicate sample of GWA-38, sample DUP-2 is the field duplicate sample of GWA-53R and sample DUP-3 is the field duplicate sample of GWC-19R. One field blank per day was collected. Equipment blanks were collected on different equipment used to sample the locations at Landfill Cells 3&4 and are listed below:

- EQBL-090820, collected on the nitrile gloves
- EQBL-090920, collected on the poly tubing

The analytical results for the metals, anions, and TDS data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Metals (SW6010D/SW6020B/SW7470A)

The samples were submitted to Pace for CCR Appendix III and State D&O Permit metals by Method SW6010D, SW6020B, and/or mercury by SW7470A. The CCR Appendix III metals are: boron (B) and calcium (Ca). The State D&O Permit metals are: antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), vanadium (V), and zinc (Zn). Each of the Level II components were within QC limits except for field blank contamination and MS/MSD recoveries.

Holding Times

The sample analyses were performed within the 6 month and 28-day (for mercury) analysis holding times.

Method Blanks

The method blanks associated with samples in this SDG did not contain metals indicating the analytical system was contaminant free during analysis.

Laboratory Control Samples (LCSs)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicates (MS/MSDs)

MS/MSD analyses were performed for metals on samples GWA-36R, GWC-21R, GWC-17R, GWC-18, GWC-16R, GWC-20R, GWC-22R, DUP-3-090920, and EQBL090820 from this SDG. The recoveries and RPDs were within QC limits except for MS/MSD recoveries of Ca in samples GWC-21R, GWC-17R, GWC-18.

Action: No qualification was necessary for calcium because the sample result was more than 4 times greater than the spike concentration.

Field Duplicate Precision

Three field duplicate pairs were submitted with this SDG (GWA-38/DUP-1-090320, GWA-53R/Dup-2-090820 and GWA-19R/Dup-3-090920) and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. The two equipment blank samples submitted in this SDG did not contain metals, and no results were considered possible field artifacts. One or more of the field blanks contained the following analytes: barium and lead. Results less than five times the field blank are considered “not detected” as a possible field artifact: **Reason Code: BF.**

Action: No qualification was applied to select barium results based on field blanks due to sample results being greater than 5x the blank value. The positive lead results less than five times the field blanks were qualified as not detected due to possible blank contamination and flagged “U”.*

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Method SW6010D, SW6020B and 7470A. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged “J” by the laboratory. The “J” qualifier was retained by the data validator.

Total and Dissolved Metals Comparison

If total and dissolved metals samples were collected, comparison of the total and dissolved results can aid in the representativeness of the total metals value versus the metals that may be associated with suspended solids and metals actually dissolved within the water column. The dissolved metals results should be less than or equal to the total metals concentration for positive results greater than 5 times the RL. No dissolved samples were collected and reported in this SDG.

Anions (EPA 300)

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300.0, and each of the Level II components were within QC limits.

Holding Times

The sample analyses were performed within the 28-day analysis holding times.

Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain anions indicating the analytical system was contaminant free during analysis.

Laboratory Control Samples (LCSs)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicates (MS/MSDs)

MS/MSD analyses were performed samples GWA-52, GWC-19R and EQBL090820 and recoveries and RPDs were within QC limits.

Field Duplicate Precision

Three field duplicate pairs were submitted with this SDG (GWA-38/DUP-1-090320, GWA-53R/Dup-2-090820 and GWA-19R/Dup-3-090920) and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

The equipment blank and field blanks associated with the samples of this SDG did not contain anions.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier was retained by the data validator.

TDS (SM 2540C)

The samples were submitted to Pace for TDS by Method SM 2540C. Each of the Level II components were within QC limits except for field blank contamination.

Holding Times

The sample analyses were performed within the 7-day analysis holding times.

Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain TDS.

Laboratory Control Samples (LCSs)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Field Duplicate Precision

Three field duplicate pairs were submitted with this SDG (GWA-38/DUP-1-090320, GWA-53R/Dup-2-090820 and GWA-19R/Dup-3-090920) and the RPDs were within QC limits.

Laboratory Duplicate Precision

Laboratory duplicates were analyzed for TDS on samples GWC-20R, GWA-38, FBL090820, and FBL090920, and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

One of the field blanks associated with the samples in this SDG reported TDS; however, no qualification is applied for TDS in the field blank. None of the equipment blanks in this SDG were reported with TDS.

Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM 2540C and no samples required dilutions; therefore, RLs were met for this project. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory, however no TDS results were reported between the MDL and RL.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan and validation SOPs. Professional judgment was not used to modify flags for results reported in samples presented in this SDG.

Completeness

A total of 23 wells, along with the required QC samples, were sampled and analyzed during the September event in Landfill Cells 3&4 according to the FSP (Amec Foster Wheeler, 2017). Each of the 17 well locations were reported in this SDG and were sampled and analyzed as scoped.

Therefore, both field and analytical completeness calculated for this SDG was 100%.

References

Amec Foster Wheeler, 2017. *Field Sampling Plan – Plant Bowen*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), Revision 1, Update 3, October 16, 2017.

USEPA, 2014. *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: JPM 10/12/20

Checked By/Date: JAH 10/16/20

**TABLE 1
SUMMARY OF DATA QUALIFIERS**

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92495876
SAMPLING DATES: September 3-4, 2020, September 8-9, 2020 and September 14, 2020
Plant Bowen Landfill Cells 3 & 4: Event 15

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
FBL-090420	Field Blank	FB	92495876	6020B	barium	0.00087	J	J	--	mg/L
FBL-090820	Field Blank	FB	92495876	6020B	lead	0.000039	J	J	--	mg/L
GWA-36	GWA-36	N	92495876	300.0	sulfate	0.65	J	J	--	mg/L
GWA-36	GWA-36	N	92495876	6020B	antimony	0.00094	J	J	--	mg/L
GWA-36	GWA-36	N	92495876	6020B	beryllium	0.0002	J	J	--	mg/L
GWA-36	GWA-36	N	92495876	6020B	cadmium	0.00089	J	J	--	mg/L
GWA-36	GWA-36	N	92495876	6020B	lead	0.00012	J	J	--	mg/L
GWA-36R	GWA-36R	N	92495876	6020B	beryllium	0.00012	J	J	--	mg/L
GWA-36R	GWA-36R	N	92495876	6020B	boron	0.0065	J	J	--	mg/L
GWA-36R	GWA-36R	N	92495876	6020B	cadmium	0.00016	J	J	--	mg/L
GWA-36R	GWA-36R	N	92495876	6020B	lead	0.00065	J	J	--	mg/L
GWA-37	GWA-37	N	92495876	300.0	chloride	0.82	J	J	--	mg/L
GWA-37	GWA-37	N	92495876	6010D	calcium	0.73	J	J	--	mg/L
GWA-37	GWA-37	N	92495876	6010D	zinc	0.0049	J	J	--	mg/L
GWA-37	GWA-37	N	92495876	6020B	antimony	0.0012	J	J	--	mg/L
GWA-37	GWA-37	N	92495876	6020B	barium	0.0045	J	J	--	mg/L
GWA-37	GWA-37	N	92495876	6020B	copper	0.0067	J	J	--	mg/L
GWA-37	GWA-37	N	92495876	6020B	nickel	0.0096	J	J	--	mg/L
GWA-38	GWA-38	N	92495876	300.0	sulfate	0.58	J	J	--	mg/L
GWA-38	GWA-38	N	92495876	6020B	chromium	0.0013	J	J	--	mg/L
GWA-38	GWA-38	N	92495876	6020B	cobalt	0.00091	J	J	--	mg/L
GWA-38	GWA-38	N	92495876	6020B	nickel	0.00089	J	J	--	mg/L
DUP-1	GWA-38	FD	92495876	300.0	sulfate	0.63	J	J	--	mg/L
DUP-1	GWA-38	FD	92495876	6020B	chromium	0.0013	J	J	--	mg/L
DUP-1	GWA-38	FD	92495876	6020B	cobalt	0.00097	J	J	--	mg/L
DUP-1	GWA-38	FD	92495876	6020B	nickel	0.00088	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	92495876	6020B	antimony	0.00035	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	92495876	6020B	boron	0.0054	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	92495876	6020B	copper	0.0019	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	92495876	6020B	lead	0.000089	J	J	--	mg/L
GWA-51RZ	GWA-51RZ	N	92495876	6020B	selenium	0.0059	J	J	--	mg/L
GWA-52	GWA-52	N	92495876	6020B	chromium	0.0011	J	J	--	mg/L
GWA-53	GWA-53	N	92495876	6020B	antimony	0.0017	J	J	--	mg/L
GWA-53	GWA-53	N	92495876	6020B	beryllium	0.000055	J	J	--	mg/L
GWA-53	GWA-53	N	92495876	6020B	boron	0.0072	J	J	--	mg/L
GWA-53	GWA-53	N	92495876	6020B	lead	0.00012	J	U*	BF	mg/L
GWA-53R	GWA-53R	N	92495876	6020B	antimony	0.00078	J	J	--	mg/L
GWA-53R	GWA-53R	N	92495876	6020B	lead	0.0006	J	J	--	mg/L
DUP-2-090820	GWA-53R	N	92495876	6020B	antimony	0.00056	J	J	--	mg/L
GWA-54	GWA-54	N	92495876	6020B	chromium	0.0014	J	J	--	mg/L
GWA-55	GWA-55	N	92495876	6020B	antimony	0.00065	J	J	--	mg/L
GWA-55	GWA-55	N	92495876	6020B	boron	0.0053	J	J	--	mg/L
GWA-55	GWA-55	N	92495876	6020B	chromium	0.0012	J	J	--	mg/L
GWA-55	GWA-55	N	92495876	6020B	cobalt	0.0012	J	J	--	mg/L
GWA-55	GWA-55	N	92495876	6020B	lead	0.0001	J	J	--	mg/L
GWA-56	GWA-56	N	92495876	300.0	fluoride	0.086	J	J	--	mg/L
GWA-56	GWA-56	N	92495876	6020B	boron	0.015	J	J	--	mg/L
GWA-56	GWA-56	N	92495876	6020B	chromium	0.0012	J	J	--	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92495876
SAMPLING DATES: September 3-4, 2020, September 8-9, 2020 and September 14, 2020
Plant Bowen Landfill Cells 3 & 4: Event 15

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWC-16R	GWC-16R	N	92495876	300.0	chloride	1	J		--	mg/L
GWC-16R	GWC-16R	N	92495876	300.0	fluoride	0.17	J	J	--	mg/L
GWC-16R	GWC-16R	N	92495876	6020B	arsenic	0.0011	J	J	--	mg/L
GWC-16R	GWC-16R	N	92495876	6020B	boron	0.012	J	J	--	mg/L
GWC-16R	GWC-16R	N	92495876	6020B	chromium	0.00056	J	J	--	mg/L
GWC-16R	GWC-16R	N	92495876	6020B	cobalt	0.00069	J	J	--	mg/L
GWC-16R	GWC-16R	N	92495876	6020B	lead	0.00017	J	J	--	mg/L
GWC-16R	GWC-16R	N	92495876	6020B	nickel	0.0067	J	J	--	mg/L
GWC-18	GWC-18	N	92495876	6020B	chromium	0.001	J	J	--	mg/L
GWC-18	GWC-18	N	92495876	6020B	lead	0.00006	J	J	--	mg/L
GWC-18R	GWC-18R	N	92495876	6020B	beryllium	0.0002	J	J	--	mg/L
GWC-18R	GWC-18R	N	92495876	6020B	lead	0.00025	J	J	--	mg/L
GWC-20R	GWC-20R	N	92495876	6020B	chromium	0.00078	J	J	--	mg/L
GWC-21R	GWC-21R	N	92495876	6010D	zinc	0.0063	J	J	--	mg/L
GWC-21R	GWC-21R	N	92495876	6020B	arsenic	0.0023	J	J	--	mg/L
GWC-21R	GWC-21R	N	92495876	6020B	boron	0.014	J	J	--	mg/L
GWC-21R	GWC-21R	N	92495876	6020B	chromium	0.0013	J	J	--	mg/L
GWC-21R	GWC-21R	N	92495876	6020B	lead	0.000067	J	U*	BF	mg/L
GWC-21R	GWC-21R	N	92495876	6020B	nickel	0.0014	J	J	--	mg/L
GWC-22R	GWC-22R	N	92495876	6010D	zinc	0.0037	J	J	--	mg/L
GWC-22R	GWC-22R	N	92495876	6020B	arsenic	0.0025	J	J	--	mg/L
GWC-22R	GWC-22R	N	92495876	6020B	boron	0.0084	J	J	--	mg/L
GWC-22R	GWC-22R	N	92495876	6020B	cobalt	0.00087	J	J	--	mg/L
GWC-22R	GWC-22R	N	92495876	6020B	nickel	0.00083	J	J	--	mg/L
GWC-22R	GWC-22R	N	92495876	6020B	thallium	0.00016	J	J	--	mg/L
GWC-23R	GWC-23R	N	92495876	6020B	selenium	0.0017	J	J	--	mg/L
GWC-23R	GWC-23R	N	92495876	6020B	thallium	0.00016	J	J	--	mg/L
GWC-24R	GWC-24R	N	92495876	6010D	zinc	0.0048	J	J	--	mg/L
GWC-24R	GWC-24R	N	92495876	6020B	antimony	0.00094	J	J	--	mg/L
GWC-24R	GWC-24R	N	92495876	6020B	copper	0.0017	J	J	--	mg/L
GWC-24R	GWC-24R	N	92495876	6020B	lead	0.0001	J	J	--	mg/L
GWC-25R	GWC-25R	N	92495876	6020B	antimony	0.0013	J	J	--	mg/L
GWC-25R	GWC-25R	N	92495876	6020B	chromium	0.00073	J	J	--	mg/L
GWC-25R	GWC-25R	N	92495876	6020B	cobalt	0.0012	J	J	--	mg/L
GWC-25R	GWC-25R	N	92495876	6020B	lead	0.00012	J	J	--	mg/L

Laboratory Qualifiers:

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Reason Codes:

BF = Field blank contamination. The result should be considered "not-detected".

-- = No Reason Code assigned for values detected between the method detection limit (MDL) and the reporting limit (RL); estimated quantitation.

Validation Qualifiers:

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.

U* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Prepared by/Date: JPM 10/12/20

Checked by/Date: JAH 10/16/20

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Metals and Mercury by SW6010D/SW6020B/SW7470

Laboratory and Lot: Pace SDG: 92495876

Reviewer/Date: J. McIntyre 10/05/20 **Senior Reviewer/Date:** J. Hartness 10/16/20

YES NO NA COMMENTS

- Case Narrative and COC Completeness Review**
OK

- Sample Preservation and cooler temperature met (HNO₃ to pH<2)**
OK, 0.8, 5.7, 1.8, 5.0°C

- Holding times met (180 days; Hg = 28 days)**
Coll: 09/03/20-09/04/20, 09/08/20-09/09/20, 09/14/20
Prep: metals – 09/08/20, 09/09/20, 09/14/20-09/16/20, 09/23/20
Hg – 09/08/20, 09/10/20, 09/14/20, 09/22/20
Anal: metals – 09/08/20, 09/09/20, 09/10/20, 09/14/20, 09/15/20, 09/17/20, 09/23/20
Hg – 09/09/20, 09/11/20, 09/15/20, 09/23/20

 QC Blanks Review

Method Blanks:

- | | |
|--|--|
| p. 47 MB 2994728 (6010) Ca and Zn = ND | p. 50 MB 3001365 (6010) Ca and Zn = ND |
| p. 48 MB 2996643 (6010) Ca and Zn = ND | p. 51 MB 3004555 (6010) Ca and Zn = ND |
| p. 49 MB 3000736 (6010) Ca and Zn = ND | |
|
 | |
| p. 52 MB 2995188 (6020) = All ND | p. 54 MB 2996647 (6020) = All ND |
| p. 56 MB 3000746 (6020) = All ND | p. 58 MB 3001361 (6020) = All ND |
| p. 60 MB 3011604 (6020) = All ND | |
| p. 62 MB 2994377 (7470) Hg = ND | p. 63 MB 2997348 (7470) Hg = ND |
| p. 64 MB 3000973 (7470) Hg = ND | p. 65 MB 3009596 (7470) Hg = ND |

Field blanks

FBL-090320 = All ND
 FBL-090420 = Ba – 0.00087J x 5 = 0.00435 mg/L –
No Flags- associated samples ND or >5x blank
 FBL-090820= Pb - 0.000039J x 5 = 0.000195 mg/L-
Flag "U*" GWA-53 and GWC-21R

FBL-090920 = All ND
*Results <5x blank flagged U**

Equipment blanks:

EQBL-090820 = All ND EQBL-090920 = All ND

Metals and Mercury by 6020B/7470A (cont.)

YES NO NA COMMENTS



**Laboratory Control Sample (LCS) recovery within limits
(Metals 70-130%, Hg = 80-120%)**

p. 47 LCS 2994729 (6010) Ca = 95% Zn = 100% p. 48 LCS 2996644 (6010) Ca = 95% Zn = 95%
 p. 49 LCS 3000737 (6010) Ca = 94% Zn = 98% p. 50 LCS 3001366 (6010) Ca = 97% Zn = 101%
 p. 51 LCS 3004556 (6010) Ca = 92% Zn = 97%

p. 52 LCS 2995189 (6020) – All %rec OK p. 54 LCS 2996648 (6020) – All %rec OK
 p. 56 LCS 3000747 (6020) – All %rec OK p. 58 LCS 3001362 (6020) – All %rec OK
 p. 60 LCS 3011605 (6020) – All %rec OK
 p. 62 LCS 2994378 (7470) Hg = 95% p. 63 LCS 2997349 (7470) Hg = 102%
 p. 64 LCS 3000974 (7470) Hg = 105% p. 65 LCS 3009597 (7470) Hg = 99%



Lab Duplicate - Field Duplicate precision goals met (20%)

**for results <RL, diff must be <RL*

GWA-38 = Dup-1-090320

	GWA-38	Dup-1	RPD/Diff*	RL
Ba	0.011	0.011	0.0	
Ca	1	1	0	ok
Cr	0.0013J	0.0013J	0.0/0.0	0.01 ok
Co	0.00091J	0.00097J	6.39/0.00006	0.005 ok
Ni	0.00089J	0.00088J	1.13/0.00001	0.01 ok

GWA-53R=Dup-2-090820

	GWA-53R	Dup-2	RPD/Diff*	RL
Sb	0.00078J	0.00056J	32.84/0.00022	0.003 ok
Ca	29.4	30.2	2.68	OK
Ba	0.013	0.013	0/0	0.01 ok
Pb	0.0006J	<0.000036	200/0.0006	0.005 ok

GWC-19R=Dup-3-090920

	GWC-19R	Dup-3	RPD/Diff*	
Ca	30.5	31.7	3.86	ok
Ba	0.014	0.015	6.90	ok

**for results <RL, diff must be <RL*



Matrix Spike recoveries and RPDs within limits (75-125%, RPD 20)

6010

p. 47 & 49 not samples from this SDG (6010)
 p. 48 GWC-21R Ca= **-71, -201%** - No flag; sample conc >4x spike amount
 p. 50 GWC-17R Ca= **256, 208%** - No flag; sample conc >4x spike amount
 p. 50 GWC-18 Ca= **256, 208%** - No flag; sample conc >4x spike amount

Metals and Mercury by 6020B/7470A (cont.)

YES	NO	NA	COMMENTS
-----	----	----	----------

Matrix Spike recoveries and RPDs within limits (75-125%, RPD 20)

6020

- p. 53 GWC-20R - %rec and RPDs ok
- p. 55 not a sample from this SDG (6020)
- p. 57 GWC-22R - %rec and RPDs ok
- p. 59 DUP-3-090920 - %rec and RPDs ok
- p. 61 GWA-36R - %rec and RPDs ok

7470

- p. 62 GWC-20R - %rec and RPDs ok
- p. 63 EQBL090820 - %rec and RPDs ok
- p. 64 GWC-16R - %rec and RPDs ok
- p. 65 not a sample from this SDG (7470)

Total metals vs dissolved metals within limits (RPD < 20% or diff. < RL)

No dissolved metals in this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Anions (chloride, fluoride, sulfate) by EPA 300.0

Laboratory and Lot: Pace SDG: 92495876

Reviewer/Date: J. McIntyre 10/05/20 **Senior Reviewer/Date:** J. Hartness 10/16/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>																								
<input checked="" type="checkbox"/>			<p>Case Narrative and COC Completeness Review OK</p>																								
<input checked="" type="checkbox"/>			<p>Sample Preservation and cooler temperature met (Cool to 6°C) OK, 0.8, 5.7, 1.8, 5.0°C</p>																								
<input checked="" type="checkbox"/>			<p>Holding times met (Cl, SO₄, F – 28 days) Coll: 09/03/20-09/04/20, 09/08/20-09/09/20, 09/14/20 Anal: 09/08/20-09/10/20, 09/13/20, 09/15/20, 09/17/20</p>																								
<input checked="" type="checkbox"/>			<p>QC Blanks Review <u>Method Blanks:</u> p. 71 MB 2995239 = ND p. 72 MB 2997613 = ND p. 73 MB 3000158 = ND p. 74 MB 3001409 = ND p. 75 MB 3004873 = ND</p> <p><u>Field blanks</u> FBL-090320 = All ND FBL-090820 = All ND FBL-090420 = All ND FBL-090920 = All ND</p> <p><u>Equipment blanks:</u> EQBL-090820 = All ND EQBL-090920 = All ND</p>																								
<input checked="" type="checkbox"/>			<p>Laboratory Control Sample (LCS) recovery within limits (90-110%) p. 71 LCS 2995240 - all ok p. 72 LCS 2997614 – all ok p. 73 LCS 3000159 – all ok p. 74 LCS 3001410 – all ok p. 75 LCS 3004874 – all ok</p>																								
<input checked="" type="checkbox"/>			<p>Lab Duplicate - Field Duplicate precision goals met (20%) GWA-38 = Dup-1-090320</p> <table border="0" style="margin-left: 40px;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>GWA-38</u></th> <th style="text-align: center;"><u>Dup-1</u></th> <th style="text-align: center;"><u>RPD</u></th> </tr> </thead> <tbody> <tr> <td>Cl</td> <td style="text-align: center;">2.9</td> <td style="text-align: center;">2.9</td> <td style="text-align: center;">0</td> </tr> <tr> <td>SO₄</td> <td style="text-align: center;">0.58J</td> <td style="text-align: center;">0.63J</td> <td style="text-align: center;">8.26/ diff=0.05 RPD = 1 ok</td> </tr> </tbody> </table> <p>GWA-53R=Dup-2-090820</p> <table border="0" style="margin-left: 40px;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>GWA-53R</u></th> <th style="text-align: center;"><u>Dup-2</u></th> <th style="text-align: center;"><u>RPD</u></th> </tr> </thead> <tbody> <tr> <td>Cl</td> <td style="text-align: center;">2.3</td> <td style="text-align: center;">2.3</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td>SO₄</td> <td style="text-align: center;">1.4</td> <td style="text-align: center;">1.4</td> <td style="text-align: center;">0.0</td> </tr> </tbody> </table>		<u>GWA-38</u>	<u>Dup-1</u>	<u>RPD</u>	Cl	2.9	2.9	0	SO ₄	0.58J	0.63J	8.26/ diff=0.05 RPD = 1 ok		<u>GWA-53R</u>	<u>Dup-2</u>	<u>RPD</u>	Cl	2.3	2.3	0.0	SO ₄	1.4	1.4	0.0
	<u>GWA-38</u>	<u>Dup-1</u>	<u>RPD</u>																								
Cl	2.9	2.9	0																								
SO ₄	0.58J	0.63J	8.26/ diff=0.05 RPD = 1 ok																								
	<u>GWA-53R</u>	<u>Dup-2</u>	<u>RPD</u>																								
Cl	2.3	2.3	0.0																								
SO ₄	1.4	1.4	0.0																								

Anions (chloride, fluoride, sulfate) by EPA 300.0 (cont.)

YES NO NA COMMENTS

Lab Duplicate - Field Duplicate precision goals met (20%) cont.

	<u>GWC-19R</u>	<u>Dup-3</u>	<u>RPD/Diff*</u>	
Cl	2.4	2.3	4.26	ok
SO ₄	3.4	3.4	0.0	

Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)

- p. 71 GWA-52 - %rec and RPDs ok
- p. 72 EQBL090820 - %rec and RPDs ok
- p. 73 not samples from this SDG
- p. 74 GWC-19R - %rec and RPDs ok
- p. 75 not samples from this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: TDS by SM 2540C

Laboratory and Lot: Pace SDG: 92495876

Reviewer/Date: J. McIntyre 10/05/20 **Senior Reviewer/Date:** J. Hartness 10/16/20

YES NO NA COMMENTS

 Case Narrative and COC Completeness Review
OK

 Sample Preservation and cooler temperature met (Cool to 6°C)
OK, 0.8, 5.7, 1.8, 5.0°C

 Holding times met (7 days)
Coll: 09/03/20-09/04/20, 09/08/20-09/09/20, 09/14/20
Anal: 09/09/20, 09/10/20, 09/14/20, 09/17/20

 QC Blanks Review
Method Blanks:
p. 66 MB 2996312 TDS = ND
p. 67 MB 2997353 TDS = ND
p. 68 MB 2997370 TDS = ND
p. 69 MB 3000515 TDS = ND
p. 70 MB 3005336 TDS = ND

Field blanks
FBL-090320 = All ND FBL-090820 = All ND
FBL-090420 = **11 x 5 = 55** mg/L
No flags for TDS in blanks due to ES rule
FBL-090920 = All ND

Equipment blanks:
EQBL-090820 = All ND EQBL-090920 = All ND

No flags for TDS in blanks due to ES rule

 Laboratory Control Sample (LCS) recovery within lab limits
p. 66 LCS 2996313 TDS = 100%
p. 67 LCS 2997354 TDS = 98%
p. 68 LCS 2997371 TDS = 98%
p. 69 LCS 3000516 TDS = 97%
p. 70 LCS 3005337 TDS = 105%

TDS by SM 2540C (cont)

YES NO NA COMMENTS

Lab Duplicate - Field Duplicate precision goals met (20%)

GWA-38 = Dup-1-090320

	<u>GWA-38</u>	<u>Dup-1</u>	<u>RPD</u>
TDS	21	20	8.26% ok

GWA-53R=Dup-2-090820

	<u>GWA-53R</u>	<u>Dup-2</u>	<u>RPD</u>
TDS	124	140	12.12% ok

GWC-19R=Dup-3-090920

	<u>GWC-19R</u>	<u>Dup-3</u>	<u>RPD</u>
TDS	152	165	8.20% ok

Lab dups:

- p. 66 GWA-38 RPD OK
- p. 67 GWC-20R RPD OK
- p. 68 FBL090820 Both ND
- p. 69 FBL090920 Both ND
- p. 70 not samples from this SDG

Matrix Spike recoveries and RPDs within limits (if applicable)

None for TDS

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

Data Evaluation Narrative

**Project: Plant Bowen CCR Event # 15 Groundwater Detection Monitoring/
Semiannual State Design and Operation Permit Monitoring**

Wood Project Number: 6122160287.2003.****

Site: Landfill Cells 9 & 10 - Plant Bowen, Georgia

Matrix: Groundwater

Pace SDG No: 92495047

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the CCR Event # 15 Groundwater Detection Monitoring Sampling Event and the Semiannual State Design and Operation (D&O) Permit sampling event conducted at Landfill Cells 9 & 10 at Plant Bowen, located in Cartersville, Georgia in September 2020. The samples were collected and analyzed per the protocols presented in the Plant Bowen *Field Sampling Plan* (FSP), Revision 1, Update 3 (Amec Foster Wheeler, 2017). The following sections provide summary discussions of the required data qualifications for the methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory’s precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the “U” flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered “not-detected” because it was detected in an associated blank at a similar level.

<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection; however, the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

Deliverables

The data package as submitted to Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly Amec Foster Wheeler) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6010D, SW6020B, SW7470A, EPA 300.0 and SM 2540C.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for CCR Appendix III metals and State D&O Permit metals by Method 6010D and 6020B, mercury by Method SW7470, anions (chloride, fluoride, and sulfate) by Method 300.0 and total dissolved solids (TDS) by Method SM 2540C.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and quality control (QC) samples:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
GWA-39RZ	09/16/20	II	GWC-47R	09/15/20	II
GWA-39Z	09/10/20	II	GWC-48	09/14/20	II
GWA-40	09/11/20	II	GWC-49R	09/11/20	II
GWA-41	09/10/20	II	GWC-49Z	09/14/20	II
GWA-41R	09/10/20	II	<u>QA/QC Samples:</u>		
GWA-42	09/10/20	II	EQBL-091620	09/16/20	II
GWA-43	09/11/20	II	FBL-091020	09/10/20	II
GWA-43R	09/14/20	II	FBL-091120	09/11/20	II
GWC-44	09/15/20	II	FBL-091420	09/14/20	II
GWC-45	09/11/20	II	FBL-091520	09/15/20	II
GWC-45R	09/11/20	II	FBL-091620	09/16/20	II
GWC-46R	09/14/20	II	DUP-1-091120	09/11/20	II
GWC-47	09/14/20	II	DUP-2-091420	09/14/20	II

The samples reported in this SDG were collected from Landfill Cells 9&10 between September 10 and September 16, 2020. Sample DUP-1 is the field duplicate sample of GWA-40 and sample DUP-2 is the field duplicate sample of GWC-47. The equipment blank was collected on the poly tubing used to sample the locations at Landfill Cells 9&10. One field blank per day was collected.

The analytical results for the metals, anions, and TDS data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Metals (SW6010D/SW6020B/SW7470A)

The samples were submitted to Pace for CCR Appendix III and State D&O Permit metals by Method SW6010D, SW6020B, and/or mercury by SW7470A. The CCR Appendix III metals are: boron (B) and calcium (Ca). The State D&O Permit metals are: antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), vanadium (V), and zinc (Zn). Each of the Level II components were within QC limits except for method blank contamination and MS/MSD recoveries.

Holding Times

The sample analyses were performed within the 6 month and 28-day (for mercury) analysis holding times.

Method Blanks

One of the method blanks associated with samples in this SDG contained zinc between the MDL and the RL. Results less than five times the blank are considered not detected as a possible laboratory artifact.

Action: No qualification was necessary because zinc was not detected in the associated samples.

Laboratory Control Samples (LCSs)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicates (MS/MSDs)

MS/MSD analyses were performed for metals on samples GWA-43R and GWC-45R from this SDG, and the recoveries and RPDs were within QC limits except for calcium in GWA-43R, which recovered below the lower QC limit.

Action: No qualification was necessary for calcium because the sample result was more than 4 times greater than the spike concentration.

Field Duplicate Precision

Two field duplicate pairs were submitted with this SDG (GWA-40/DUP-1-091120 and GWA-47/Dup-2-091420) and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. The field blank and equipment blank samples did not contain metals, and no results were considered possible field artifacts.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Method SW6010D, SW6020B and 7470A. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier was retained by the data validator.

Total and Dissolved Metals Comparison

If total and dissolved metals samples were collected, comparison of the total and dissolved results can aid in the representativeness of the total metals value versus the metals that may be associated with suspended solids and metals actually dissolved within the water column. The dissolved metals results should be less than or equal to the total metals concentration for positive results greater than 5 times the RL. No dissolved samples were collected and reported in this SDG.

Anions (EPA 300)

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300.0, and each of the Level II components were within QC limits.

Holding Times

The sample analyses were performed within the 28-day analysis holding times.

Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain anions indicating the analytical system was contaminant free during analysis.

Laboratory Control Samples (LCSs)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicates (MS/MSDs)

MS/MSD analyses were performed for anions on samples GWC-45R GWA-43R, and GWA-39RZ, and the recoveries and RPDs were within QC limits.

Field Duplicate Precision

Two field duplicate pairs were submitted with this SDG (GWA-40/DUP-1-091120 and GWA-47/Dup-2-091420), and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

The equipment blank and field blanks associated with the samples of this SDG did not contain anions.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier was retained by the data validator.

TDS (SM 2540C)

The samples were submitted to Pace for TDS by Method SM 2540C. Each of the Level II components were within QC limits except for field blank contamination and field duplicate precision.

Holding Times

The sample analyses were performed within the 7-day analysis holding times.

Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain TDS.

Laboratory Control Samples (LCSs)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Field Duplicate Precision

Two field duplicate pairs were submitted with this SDG (GWA-40/DUP-1-091120 and GWA-47/Dup-2-091420), and the RPD was outside of QC limits for GWA-47/Dup-2-091420. **Reason Code: FD**

Action: The TDS results for samples GWA-47 and Dup-2-091420 were qualified as estimated and flagged "J"

Laboratory Duplicate Precision

Laboratory duplicates were analyzed for TDS on samples FBL091120 and GWA-43R, and the RPDs were within QC limits.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

The equipment blank and two of the field blanks associated with the samples in this SDG reported TDS; however, no qualification is applied for TDS in the field and equipment blanks.

Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM 2540C and no samples required dilutions; therefore, RLs were met for this project. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory, however no TDS results were reported between the MDL and RL.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan and validation SOPs. Professional judgment was not used to modify flags for results reported in samples presented in this SDG.

Completeness

A total of 17 wells, along with the required QC samples, were sampled and analyzed during the September event in Landfill Cells 9&10 according to the FSP (Amec Foster Wheeler, 2017). Each of the 17 well locations were reported in this SDG and were sampled and analyzed as scoped.

Therefore, both field and analytical completeness calculated for this SDG was 100%.

References

Amec Foster Wheeler, 2017. *Field Sampling Plan – Plant Bowen*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), Revision 1, Update 3, October 16, 2017.

USEPA, 2014. *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: DWK 10/06/20
Checked By/Date: JAH 10/12/20

TABLE 1
SUMMARY OF DATA QUALIFIERS

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92495047
SAMPLING DATES: September 10 - 16, 2020
Plant Bowen Landfill Cells 9 & 10: Event # 15

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
GWA-39Z-091020	GWA-39Z	N	92495047	SW6020B	antimony	0.00030	J	J	--	mg/L
GWA-39Z-091020	GWA-39Z	N	92495047	SW6020B	barium	0.0042	J	J	--	mg/L
GWA-39Z-091020	GWA-39Z	N	92495047	E300.0	sulfate	0.95	J	J	--	mg/L
GWA-41R-091020	GWA-41R	N	92495047	SW6020B	antimony	0.0019	J	J	--	mg/L
GWA-41R-091020	GWA-41R	N	92495047	SW6020B	boron	0.016	J	J	--	mg/L
GWA-42-091020	GWA-42	N	92495047	SW610D	zinc	0.0073	J	J	--	mg/L
GWA-42-091020	GWA-42	N	92495047	SW6020B	barium	0.0059	J	J	--	mg/L
GWA-42-091020	GWA-42	N	92495047	SW6020B	beryllium	0.00014	J	J	--	mg/L
GWA-42-091020	GWA-42	N	92495047	SW6020B	cadmium	0.00015	J	J	--	mg/L
GWA-42-091020	GWA-42	N	92495047	SW6020B	nickel	0.0011	J	J	--	mg/L
GWA-42-091020	GWA-42	N	92495047	E300.0	sulfate	0.95	J	J	--	mg/L
GWA-40-091120	GWA-40	N	92495047	SW6020B	barium	0.0079	J	J	--	mg/L
GWA-40-091120	GWA-40	N	92495047	E300.0	chloride	0.77	J	J	--	mg/L
GWA-43-091120	GWA-43	N	92495047	SW6020B	beryllium	0.000069	J	J	--	mg/L
GWA-43-091120	GWA-43	N	92495047	SW6020B	lead	0.000046	J	J	--	mg/L
GWA-43-091120	GWA-43	N	92495047	SW6020B	nickel	0.00089	J	J	--	mg/L
GWC-45-091120	GWC-45	N	92495047	SW6010D	calcium	0.81	J	J	--	mg/L
GWC-45-091120	GWC-45	N	92495047	SW6020B	barium	0.0060	J	J	--	mg/L
GWC-45-091120	GWC-45	N	92495047	SW6020B	cobalt	0.0012	J	J	--	mg/L
GWC-45-091120	GWC-45	N	92495047	SW6020B	lead	0.00012	J	J	--	mg/L
GWC-45-091120	GWC-45	N	92495047	SW6020B	nickel	0.00099	J	J	--	mg/L
GWC-45-091120	GWC-45	N	92495047	E300.0	chloride	0.79	J	J	--	mg/L
GWC-45R-091120	GWC-45R	N	92495047	SW6020B	antimony	0.00043	J	J	--	mg/L
GWC-45R-091120	GWC-45R	N	92495047	SW6020B	beryllium	0.000056	J	J	--	mg/L
GWC-45R-091120	GWC-45R	N	92495047	SW6020B	boron	0.0056	J	J	--	mg/L
GWC-45R-091120	GWC-45R	N	92495047	SW6020B	chromium	0.00067	J	J	--	mg/L
GWC-49R-091120	GWC-49R	N	92495047	SW6020B	antimony	0.0011	J	J	--	mg/L
GWC-49R-091120	GWC-49R	N	92495047	SW6020B	boron	0.0057	J	J	--	mg/L
Dup-1-091120	GWA-40	FD	92495047	SW6020B	antimony	0.00032	J	J	--	mg/L
Dup-1-091120	GWA-40	FD	92495047	SW6020B	barium	0.0083	J	J	--	mg/L
Dup-1-091120	GWA-40	FD	92495047	SW6020B	chromium	0.00069	J	J	--	mg/L
Dup-1-091120	GWA-40	FD	92495047	SW6020B	copper	0.0021	J	J	--	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92495047
SAMPLING DATES: September 10 - 16, 2020
Plant Bowen Landfill Cells 9 & 10: Event # 15

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
Dup-1-091120	GWA-40	FD	92495047	SW6020B	lead	0.00040	J	J	--	mg/L
Dup-1-091120	GWA-40	FD	92495047	E300.0	chloride	0.81	J	J	--	mg/L
GWA-39RZ-091620	GWA-39RZ	N	92495047	SW6020B	antimony	0.0028	J	J	--	mg/L
GWA-39RZ-091620	GWA-39RZ	N	92495047	SW6020B	boron	0.015	J	J	--	mg/L
GWA-39RZ-091620	GWA-39RZ	N	92495047	SW6020B	chromium	0.00058	J	J	--	mg/L
GWA-39RZ-091620	GWA-39RZ	N	92495047	SW6020B	lead	0.00050	J	J	--	mg/L
GWA-43R-091420	GWA-43R	N	92495047	SW6020B	barium	0.0075	J	J	--	mg/L
GWA-43R-091420	GWA-43R	N	92495047	SW6020B	boron	0.018	J	J	--	mg/L
GWA-43R-091420	GWA-43R	N	92495047	SW6020B	chromium	0.0011	J	J	--	mg/L
GWA-43R-091420	GWA-43R	N	92495047	SW6020B	lead	0.000066	J	J	--	mg/L
GWC-46R-091420	GWC-46R	N	92495047	SW6020B	chromium	0.0060	J	J	--	mg/L
GWC-47-091420	GWC-47	N	92495047	SW6020B	barium	0.0082	J	J	--	mg/L
GWC-47-091420	GWC-47	N	92495047	SW6020B	cadmium	0.00014	J	J	--	mg/L
GWC-47-091420	GWC-47	N	92495047	SW6020B	chromium	0.0022	J	J	--	mg/L
GWC-47-091420	GWC-47	N	92495047	SM2540C	total dissolved solids	129		J	FD	mg/L
GWC-48-091420	GWC-48	N	92495047	SW6010D	zinc	0.0076	J	J	--	mg/L
GWC-48-091420	GWC-48	N	92495047	SW6020B	beryllium	0.00033	J	J	--	mg/L
GWC-48-091420	GWC-48	N	92495047	SW6020B	cadmium	0.00019	J	J	--	mg/L
GWC-48-091420	GWC-48	N	92495047	SW6020B	chromium	0.0024	J	J	--	mg/L
GWC-48-091420	GWC-48	N	92495047	SW6020B	cobalt	0.0017	J	J	--	mg/L
GWC-48-091420	GWC-48	N	92495047	SW6020B	nickel	0.0046	J	J	--	mg/L
GWC-48-091420	GWC-48	N	92495047	SW7470A	mercury	0.00015	J	J	--	mg/L
GWC-49Z-091420	GWC-49Z	N	92495047	SW6010D	calcium	0.65	J	J	--	mg/L
GWC-49Z-091420	GWC-49Z	N	92495047	SW6010D	zinc	0.0042	J	J	--	mg/L
GWC-49Z-091420	GWC-49Z	N	92495047	SW6020B	antimony	0.0017	J	J	--	mg/L
GWC-49Z-091420	GWC-49Z	N	92495047	SW6020B	barium	0.0027	J	J	--	mg/L
GWC-49Z-091420	GWC-49Z	N	92495047	SW6020B	cobalt	0.0014	J	J	--	mg/L
GWC-49Z-091420	GWC-49Z	N	92495047	SW6020B	lead	0.000078	J	J	--	mg/L
GWC-49Z-091420	GWC-49Z	N	92495047	SW6020B	nickel	0.0014	J	J	--	mg/L
GWC-49Z-091420	GWC-49Z	N	92495047	SW6020B	chloride	0.98	J	J	--	mg/L
DUP-2-091420	GWC-47	FD	92495047	SW6020B	barium	0.0081	J	J	--	mg/L
DUP-2-091420	GWC-47	FD	92495047	SW6020B	chromium	0.0017	J	J	--	mg/L

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92495047
SAMPLING DATES: September 10 - 16, 2020
Plant Bowen Landfill Cells 9 & 10: Event # 15

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
DUP-2-091420	GWC-47	FD	92495047	SM2540C	total dissolved solids	97.0		J	FD	mg/L
GWC-44-091520	GWC-44	N	92495047	SW6010D	zinc	0.0062	J	J	--	mg/L
GWC-44-091520	GWC-44	N	92495047	SW6020B	beryllium	0.000057	J	J	--	mg/L
GWC-44-091520	GWC-44	N	92495047	SW6020B	boron	0.0089	J	J	--	mg/L
GWC-44-091520	GWC-44	N	92495047	SW6020B	cobalt	0.0015	J	J	--	mg/L
GWC-44-091520	GWC-44	N	92495047	SW6020B	lead	0.00045	J	J	--	mg/L
GWC-47R-091520	GWC-47R	N	92495047	SW6020B	antimony	0.00053	J	J	--	mg/L
GWC-47R-091520	GWC-47R	N	92495047	SW6020B	barium	0.0084	J	J	--	mg/L
GWC-47R-091520	GWC-47R	N	92495047	SW6020B	chromium	0.0017	J	J	--	mg/L
GWC-47R-091520	GWC-47R	N	92495047	SW6020B	thallium	0.00016	J	J	--	mg/L

Notes:

Laboratory Qualifiers:

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Reason Codes:

FD = Field duplicate precision

-- = No Reason Code assigned for values detected between the method detection limit (MDL) and the reporting limit (RL);estimated quantitation.

Validation Qualifiers:

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.

Prepared by/Date: DWK 10/06/20

Checked by/Date: JAH 10/12/20

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Metals and Mercury by SW6010D/SW6020B/SW7470

Laboratory and Lot: Pace SDG: 92495047

Reviewer/Date: D. Knaub 10/06/20

Senior Reviewer/Date: J. Hartness 10/12/20

YES NO NA

COMMENTS

- Case Narrative and COC Completeness Review**
OK

- Sample Preservation and cooler temperature met (HNO₃ to pH<2)**
OK, 4.7, 4.8, 1.5, 0.8°C

- Holding times met (180 days; Hg = 28 days)**
Coll: 09/10/20, 09/11/20, 09/14/20-09/16/20
Prep: metals – 09/14/20, 09/15/20, 09/16/20, 09/22/20, 09/23/20
Hg – 09/14/20, 09/18/20, 09/22/20
Anal: metals – 09/14/20, 09/15/20, 09/17/20, 09/21/20, 09/22/20, 09/23/20,
Hg – 09/15/20, 09/18/20, 09/23/20

- QC Blanks Review**
Method Blanks:

p. 38 MB 3000736 (6010) Ca and Zn = ND	p. 39 MB 3001365 (6010) Ca and Zn = ND
p. 40 MB 3004555 (6010) Ca and Zn = ND	p. 41 MB 3010230 (6010) Ca = ND
	Zn = 0.0043 J x5 = = 0.0215 mg/L
	<i>No flags, assoc. results ND (GWA-39RZ, FBL091620, EBL091620)</i>
p. 42 MB 3000746 (6020) = All ND	p. 44 MB 3001361 (6020) = All ND
p. 46 MB 3002105 (6020) = All ND	p. 48 MB 3004543 (6020) = All ND
p. 50 MB 3011604 (6020) = All ND	
p. 52 MB 3000973 (7470) Hg = ND	p. 53 MB 3000986 (7470) Hg = ND
p. 54 MB 3006139 (7470) Hg = ND	p. 55 MB 3009596 (7470) Hg = ND

Field blanks

FBL-091020 = All ND	FBL-091120 = All ND
FBL-091420 = All ND	FBL-091520 = All ND
FBL-091620 = All ND	

Equipment blank:
EQBL-091620 = All ND

Metals and Mercury by 6020B/7470A (cont.)

YES NO NA COMMENTS



**Laboratory Control Sample (LCS) recovery within limits
(Metals 70-130%, Hg = 80-120%)**

- p. 38 LCS 3000737 (6010) Ca = 94% Zn = 98%
- p. 39 LCS 3001366 (6010) Ca = 97% Zn = 101%
- p. 40 LCS 3004556 (6010) Ca = 92% Zn = 97%
- p. 41 LCS 3010231 (6010) Ca = 92% Zn = 93%
- p. 42 LCS 3000747 (6020) – All %rec OK
- p. 44 LCS 3001362 (6020) – All %rec OK
- p. 46 LCS 3002106 (6020) – All %rec OK
- p. 48 LCS 3004544 (6020) – All %rec OK
- p. 50 LCS 3011605 (6020) – All %rec OK
- p. 52 LCS 3000974 (7470) Hg = 105%
- p. 53 LCS 3000987 (7470) Hg = 101%
- p. 54 LCS 3006140 (7470) Hg = 102%
- p. 55 LCS 3009597 (7470) Hg = 99%



Lab Duplicate - Field Duplicate precision goals met (20%)

**for results <RL, diff must be <RL*

GWA-40 = Dup-1-091120

	<u>GWA-40</u>	<u>Dup-1</u>	<u>*Diff/RPD</u>	<u>RL</u>
Ca	17.7	17.4	1.7	
Sb	0.00032J	0.00032J	0.0	
Ba	0.0083J	0.0083J	0.0	
Cr	0.00069J	0.00069J	0.0	
Cu	0.0021J	0.0021J	0.0	
Pb	0.00040J	0.00040J	0.0	

GWC-47=Dup-2-091420

	<u>GWC-47</u>	<u>Dup-2</u>	<u>*Diff/RPD</u>	<u>RL</u>
Ca	20.9	22.2	6.0	
Ba	0.0082J	0.0081J	0.0001	0.010 ok
Cd	0.00014J	<0.00012	0.00002	0.0025 ok
Cr	0.0022J	0.0017J	0.0005	0.010 ok
Zinc	0.032	0.032	0.0	

**for results <RL, diff must be <RL*



Matrix Spike recoveries and RPDs within limits (75-125%, RPD 20)

- p. 38 not a sample from this SDG (6010)
- p. 39 not a sample from this SDG (6010)
- p. 40 GWA-43R (6010) Ca = -60, -118% RPD = 2 *No flag, sample result > 4x spike*
Zn = 96, 94% RPD = 1
- p. 41 not a sample from this SDG (6010)
- p. 43 not a sample from this SDG (6020)
- p. 45 not a sample from this SDG (6020)
- p. 47 GWC-45R (6020) – %rec and RPDs ok
- p. 49 not a sample from this SDG (6020)
- p. 51 not a sample from this SDG (6020)
- p. 52 not a sample from this SDG (7470)
- p. 53 not a sample from this SDG (7470)
- p.54 not a sample from this SDG (7470)
- p. 55 not a sample from this SDG (7470)



Total metals vs dissolved metals within limits (RPD < 20% or diff. < RL)

No dissolved metals in this SDG



EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: Anions (chloride, fluoride, sulfate) by EPA 300.0

Laboratory and Lot: Pace SDGs: 92495047

Reviewer/Date: D. Knaub 10/06/20 **Senior Reviewer/Date:** J. Hartness 10/12/20

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>																								
<input checked="" type="checkbox"/>			<p>Case Narrative and COC Completeness Review OK</p>																								
<input checked="" type="checkbox"/>			<p>Sample Preservation and cooler temperature met (Cool to 6°C) OK, 4.7, 4.8, 1.5, 0.8°C</p>																								
<input checked="" type="checkbox"/>			<p>Holding times met (Cl, SO₄, F – 28 days) Coll: 09/10/20, 09/11/20, 09/14/20-09/16/20 Anal: 09/12/20, 09/13/20, 09/15/20, 09/17/20, 09/22/20</p>																								
<input checked="" type="checkbox"/>			<p>QC Blanks Review <u>Method Blanks:</u> p. 60 MB 3000158 = ND p. 61 MB 3001409 = ND p. 62 MB 3004873 = ND p. 63 MB 3009478 = ND</p> <p><u>Field blanks</u> FBL-091020 = All ND FBL-091120 = All ND FBL-091420 = All ND FBL-091520 = All ND FBL-091620 = All ND</p> <p><u>Equipment blank:</u> EQBL-091620 = All ND</p>																								
<input checked="" type="checkbox"/>			<p>Laboratory Control Sample (LCS) recovery within limits (90-110%) p. 60 LCS 3000159 - all ok p. 61 LCS 3001410 – all ok p. 62 LCS 3004874 – all ok p. 63 LCS 3009479 – all ok</p>																								
<input checked="" type="checkbox"/>			<p>Lab Duplicate - Field Duplicate precision goals met (20%) GWA-40 = Dup-1</p> <table border="0" style="margin-left: 40px;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>GWA-40</u></th> <th style="text-align: center;"><u>Dup-1</u></th> <th style="text-align: center;"><u>RPD</u></th> </tr> </thead> <tbody> <tr> <td>Cl</td> <td style="text-align: center;">0.77J</td> <td style="text-align: center;">0.81J</td> <td style="text-align: center;">5.1</td> </tr> <tr> <td>SO₄</td> <td style="text-align: center;">1.3</td> <td style="text-align: center;">1.3</td> <td style="text-align: center;">0.0</td> </tr> </tbody> </table> <p>GWC-47 = Dup-2</p> <table border="0" style="margin-left: 40px;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>GWC-47</u></th> <th style="text-align: center;"><u>Dup-2</u></th> <th style="text-align: center;"><u>RPD</u></th> </tr> </thead> <tbody> <tr> <td>Cl</td> <td style="text-align: center;">2.2</td> <td style="text-align: center;">2.2</td> <td style="text-align: center;">0.0</td> </tr> <tr> <td>SO₄</td> <td style="text-align: center;">4.3</td> <td style="text-align: center;">4.4</td> <td style="text-align: center;">2.3</td> </tr> </tbody> </table>		<u>GWA-40</u>	<u>Dup-1</u>	<u>RPD</u>	Cl	0.77J	0.81J	5.1	SO ₄	1.3	1.3	0.0		<u>GWC-47</u>	<u>Dup-2</u>	<u>RPD</u>	Cl	2.2	2.2	0.0	SO ₄	4.3	4.4	2.3
	<u>GWA-40</u>	<u>Dup-1</u>	<u>RPD</u>																								
Cl	0.77J	0.81J	5.1																								
SO ₄	1.3	1.3	0.0																								
	<u>GWC-47</u>	<u>Dup-2</u>	<u>RPD</u>																								
Cl	2.2	2.2	0.0																								
SO ₄	4.3	4.4	2.3																								

Anions (chloride, fluoride, sulfate) by EPA 300.0 (cont.)

YES

NO

NA

COMMENTS



Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)

p. 60 not samples from this SDG

p. 61 GWC-45R -%Rec and RPDs OK

p. 62 GWA-43R -%Rec and RPDs OK

p. 63 GWA-39RZ -%Rec and RPDs OK



EDD Data Verification vs. Hardcopy (10% samples for each SDG)

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Bowen CCR Event 15 – Semiannual State D&O Permit Event

Project No: 6122160287.2003.****

Method: TDS by SM 2540C

Laboratory and Lot: Pace SDG: 92495047

Reviewer/Date: D. Knaub 10/06/20 **Senior Reviewer/Date:** J. Hartness 10/12/20

YES NO NA COMMENTS

 Case Narrative and COC Completeness Review
OK

 Sample Preservation and cooler temperature met (Cool to 6°C)
OK, 4.7, 4.8, 1.5, 0.8°C

 Holding times met (7 days)
Coll: 09/10/20, 09/11/20, 09/14/20-09/16/20
Anal: 09/14/20, 09/16/20, 09/17/20, 09/21/20

 QC Blanks Review
Method Blanks:
p. 56 MB 3000814 TDS = ND
p. 57 MB 3003519 TDS = ND
p. 58 MB 3005336 TDS = ND
p. 59 MB 3009251 TDS = ND

Field blanks
FBL-091020 TDS = 15 mg/L FBL-091120 TDS = ND
FBL-091420 TDS = ND FBL-091520 TDS = 13 mg/L
FBL-091620 TDS = ND
Equipment blank:
EQBL-091620 TDS = 12 mg/L
No flags for TDS in blanks due to ES rule

 Laboratory Control Sample (LCS) recovery within lab limits
p. 56 LCS 3000815 TDS = 99%
p. 57 LCS 3003520 TDS = 98%
p. 58 LCS 3005337 TDS = 105%
p. 59 LCS 3009252 TDS = 103%

 Lab Duplicate - Field Duplicate precision goals met (20%)

GWA-40/Dup-1			
	<u>GWA-40</u>	<u>Dup-1</u>	<u>RPD</u>
TDS	102	86.0	17.0% ok
GWC-47/Dup-2			
	<u>GWC-47</u>	<u>Dup-2</u>	<u>RPD</u>
TDS	129	97.0	28.3%

Flag assoc. results "J": Reason code: FD

TDS by SM 2540C (cont)

YES NO NA COMMENTS

Lab dups:

p. 56 not samples from this SDG,

p. 57 FBL091120 - RPD NC, both results ND

p. 58 GWA-43R – RPD = 3 ok

p. 59 not samples from this SDG



Matrix Spike recoveries and RPDs within limits (if applicable)

None for TDS



EDD Data Verification vs. Hardcopy (10% samples for each SDG)

SEPTEMBER 2020 RPD DESCRIPTION

For an RPD to be representative of the process, the concentrations have to be five times the RL in accordance with US EPA guidance on inorganic data review, (US EPA August 2014). The RPD values of September 2020 sample concentrations that were five times the RL ranged within the allowable 20% RPD indicating good sampling precision with an exception for TDS in two sample pairs each.

The RPD for TDS in GWA-50/Dup-1 in September 2020 was outside of quality control limits and is qualified with J-flag due to field duplicate imprecision. The concentration of TDS in both samples is low (less than five times the RL): consequently, slight variation between the two samples resulted in an elevated RPD. The laboratory qualified Dup-1 TDS result due to the precision between the sample and the sample duplicate exceeded laboratory control limits. The TDS results are considered valid and appropriate for use in statistical analysis.

The RPDs for TDS in GWC-9/Dup-3 and GWC-47/Dup-2 were outside of quality control limits and is qualified with J-flag due to field duplicate imprecision. The concentrations of TDS in both samples sets were more than five time the RL and the variation between the two samples sets resulted in an elevated RPD. The TDS results are considered valid and appropriate for use in statistical analysis.

The September 2020 analytical results were compared to MCLs and secondary MCLs to evaluate groundwater quality and used in the statistical evaluation. The September 2020 constituent concentrations were within the historical range of concentrations. Those few concentrations higher than the historical range were identified as statistical exceedances.

RPD Summary for September 2020

Cells 1 & 2			
Parameter	Concentration 1	Concentration 2	
9/16/2020	DUP-1	GWA-50	RPD
Calcium	1.7	1.7	0%
9/16/2020	DUP-1	GWA-50	RPD
TDS	25.0	20.0	22%
Parameter	Concentration 1	Concentration 2	
9/17/2020	DUP-2	GWC-9	RPD
Barium	0.034	0.031	9%
9/17/2020	DUP-2	GWC-9	RPD
Calcium	17.8	18.3	3%
9/17/2020	DUP-2	GWC-9	RPD
Chloride	1.9	1.9	0%
9/17/2020	DUP-2	GWC-9	RPD
Sulfate	3.5	3.5	0%
9/17/2020	DUP-2	GWC-9	RPD
TDS	70.0	94.0	29%
Parameter	Concentration 1	Concentration 2	
9/21/2020	DUP-3	GWC-14Z	RPD
Barium	0.013	0.013	0%
9/21/2020	DUP-3	GWC-14Z	RPD
Calcium	13.3	13.1	2%
9/21/2020	DUP-3	GWC-14Z	RPD
Chloride	3.5	3.5	0%
9/21/2020	DUP-3	GWC-14Z	RPD
Sulfate	5.5	5.5	0%
9/21/2020	DUP-3	GWC-14Z	RPD
TDS	84.0	94.0	11%
Cells 3 & 4			
Parameter	Concentration 1	Concentration 2	
9/3/2020	DUP-1	GWA-38	RPD
Barium	0.011	0.011	0%
9/3/2020	DUP-1	GWA-38	RPD
Calcium	1.0	1.0	0%
9/3/2020	DUP-1	GWA-38	RPD
Chloride	2.9	2.9	0%
9/3/2020	DUP-1	GWA-38	RPD
TDS	20.0	21.0	5%

Parameter	Concentration 1	Concentration 2	
9/8/2020	DUP-2	GWA-53R	RPD
Barium	0.013	0.013	0%
9/8/2020	DUP-2	GWA-53R	RPD
Calcium	30.2	29.4	3%
9/8/2020	DUP-2	GWA-53R	RPD
Chloride	2.3	2.3	0%
9/8/2020	DUP-2	GWA-53R	RPD
Sulfate	1.4	1.4	0%
9/8/2020	DUP-2	GWA-53R	RPD
TDS	140	124	12%
Parameter	Concentration 1	Concentration 2	
9/9/2020	DUP-3	GWC-19R	RPD
Barium	0.015	0.014	7%
9/9/2020	DUP-3	GWC-19R	RPD
Calcium	31.7	30.5	4%
9/9/2020	DUP-3	GWC-19R	RPD
Chloride	2.3	2.4	4%
9/9/2020	DUP-3	GWC-19R	RPD
Sulfate	3.4	3.4	0%
9/9/2020	DUP-3	GWC-19R	RPD
TDS	165	152	8%
Cells 9 & 10			
Parameter	Concentration 1	Concentration 2	
9/11/2020	DUP-1	GWA-40	RPD
Calcium	17.4	17.7	2%
9/11/2020	DUP-1	GWA-40	RPD
Sulfate	1.3	1.3	0%
9/11/2020	DUP-1	GWA-40	RPD
TDS	86.0	102	17%
Parameter	Concentration 1	Concentration 2	
9/14/2020	DUP-2	GWC-47	RPD
Calcium	22.2	20.9	6%
9/14/2020	DUP-2	GWC-47	RPD
Chloride	2.2	2.2	0%
9/14/2020	DUP-2	GWC-47	RPD
Sulfate	4.4	4.3	2%
9/14/2020	DUP-2	GWC-47	RPD
TDS	97.0	129	28%
9/14/2020	DUP-2	GWC-47	RPD
Zinc	0.032	0.032	0%

Well ID	Sample Date	Purge Volume (liter)	Time Elapsed (secs)	DTW (feet, TOC)	Drawdown (feet)	Temperature (C)	pH (su)	Specific Conductance (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
GWA-1	9/15/20	13.6	5760	86.28	10.0	18.3	7.4	299.9	1.7	1.0	3.7
GWA-2	9/15/20	19.2	8880	81.98	0.08	18.8	6.4	167.2	0.2	6.9	41.5
GWA-2R	9/15/20	12.0	4800	81.88	1.7	17.9	7.5	183.8	0.2	6.5	17.4
GWA-3	9/16/2020 no sample collected	28.3	14400	66.46	19.3	17.5	11.6	580.2	23.5	8.5	15.3
GWA-4RZ	9/17/20	12.0	6060	87.51	22.7	23.0	7.4	426.7	0.6	6.2	10.9
GWC-5	9/16/20	11.0	5520	80.20	6.0	17.8	6.0	34.9	0.9	8.9	102.2
GWC-6	9/16/20	3.1	1680	74.82	0.2	17.8	7.3	136.2	4.0	7.5	44.3
GWC-6RZ	9/16/20	3.5	1920	78.35	0.01	17.7	7.0	97.0	0.9	7.5	31.3
GWC-7Z	9/16/20	8.8	4800	59.82	0.1	17.2	7.6	232.6	2.9	1.9	-24.3
GWC-8Z	9/17/20	8.7	4080	48.94	0.4	17.9	7.1	155.0	4.1	7.2	36.2
GWC-8RR	9/17/20	11.3	5520	48.76	0.1	18.4	8.0	198.1	2.3	8.4	25.4
GWC-9	9/17/20	3.0	1440	42.40	0	20.4	6.4	163.3	1.5	6.7	40.9
GWC-10	9/17/20	8.4	2880	36.67	0.01	17.4	7.3	298.7	1.3	7.9	34.3
GWC-10R	9/17/20	15.6	6240	35.75	0	18.0	7.7	285.21	0.2	7.5	14.3
GWC-11	9/21/20	9.3	5040	25.55	0.02	19.4	7.0	182.0	0.7	5.2	20.5
GWC-11R	9/21/20	6.2	3120	25.45	0.02	18.5	7.8	272.0	0.4	6.1	18.2
GWC-12	9/21/20	2.2	960	24.70	0.6	19.9	6.3	121.4	2.2	0.2	4.0
GWC-13	9/22/20	23.3	9600	34.06	0.04	17.1	7.3	305.2	3.1	4.5	28.9
GWC-13RZ	9/22/20	26.4	9900	54.76	34.5	14.7	7.0	491.3	1.2	5.5	43.8
GWC-14Z	9/21/20	5.4	2160	76.34	2.9	19.0	6.1	121.7	0.2	4.2	64.5
GWC-15R	9/21/20	3.4	1200	42.84	0.5	19.0	7.5	293.0	4.5	2.2	34.2
GWC-15Z	9/21/20	2.8	1200	42.56	0.6	19.4	7.7	196.4	2.1	6.1	45.8
GWC-16R	9/9/20	7.3	3420	78.49	10.2	23.2	7.1	525.9	1.2	5.1	72.3
GWC-17R	9/9/20	2.4	780	83.24	2.8	22.3	7.2	629.7	1.9	10.6	71.4
GWC-18	9/9/20	12.1	3120	74.10	0.1	18.5	6.6	152.5	1.9	7.4	34.4
GWC-18R	9/9/20	5.1	1920	73.87	0.03	18.1	7.8	277.3	3.6	6.5	25.6
GWC-19R	9/9/20	3.7	1920	77.85	0.02	24.2	7.7	297.1	0.9	6.5	28.2
GWC-20R	9/4/20	6.6	2640	71.64	0.2	20.7	7.6	361.6	0.02	6.8	30.3
GWC-21R	9/8/20	4.3	2400	72.56	4.8	25.5	7.1	584.4	0.4	3.0	-0.3
GWC-22R	9/8/20	8.5	4080	64.92	0.01	22.1	7.2	347.3	1.3	3.6	-22.2
GWC-23R	9/9/20	7.1	2700	40.35	4.2	21.9	7.1	808.7	6.0	8.1	103.4
GWC-23R	12/15/20	6.3	2700	38.43	6.1	16.0	7.4	679.3	1.0	7.3	2.9
GWC-24R	9/9/20	2.6	1585	25.77	0.5	21.0	7.2	345.1	1.6	3.1	-5.2
GWC-25R	9/4/20	3.0	1440	25.02	0.01	22.2	7.6	338.0	0.6	6.5	30.1

Well ID	Sample Date	Purge Volume (liter)	Time Elapsed (secs)	DTW (feet, TOC)	Drawdown (feet)	Temperature (C)	pH (su)	Specific Conductance (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
GWA-36	9/3/20	3.2	1200	34.41	0.4	20.5	6.8	228.1	4.0	6.4	51.7
GWA-36R	9/14/20	19.4	6480	34.78	0	19.8	7.1	290.0	4.9	5.2	38.2
GWA-37	9/3/20	12.2	4560	51.42	17.3	23.4	5.2	28.2	0.8	5.0	122.1
GWA-38	9/3/20	2.2	1200	52.31	1.3	24.3	5.3	32.9	0.5	6.5	38.0
GWA-39RZ	9/16/20	58.0	20700	68.17	62.4	17.7	7.7	284.6	9.5	4.7	95.4
GWA-39Z	9/10/20	3.5	1680	68.03	0.2	20.2	5.5	27.2	1.0	9.7	103.6
GWA-40	9/11/20	3.9	1680	71.08	0.03	19.9	7.0	163.6	0.6	8.6	49.3
GWA-41	9/10/20	13.0	6000	81.04	0.05	23.0	6.4	124.9	0.5	6.9	45.5
GWA-41R	9/10/20	2.8	1200	81.77	0.2	19.7	6.7	218.9	0.2	0.3	0.3
GWA-42	9/10/20	13.3	3600	78.04	0.05	19.5	7.5	263.6	0.01	4.8	30.9
GWA-43	9/11/20	26.8	10320	55.75	0.2	20.3	6.3	76.4	2.9	7.5	47.3
GWA-43R	9/14/20	2.6	1200	56.57	0.1	18.2	7.8	280.4	1.7	6.6	39.4
GWC-44	9/15/20	3.4	1680	55.54	0.04	19.3	4.5	99.9	0.6	4.1	68.3
GWC-45	9/11/20	7.2	4320	46.52	3.4	23.7	4.9	23.3	0.3	5.8	70.0
GWC-45	12/15/20	2.8	1200	44.51	2.9	16.4	4.9	22.5	0.6	5.7	42.3
GWC-45R	9/11/20	3.6	1680	52.43	0.1	25.5	7.3	355.2	0.4	3.6	37.3
GWC-46R	9/14/20	3.1	1200	41.99	1.4	21.1	7.4	438.1	0.01	6.4	38.8
GWC-47	9/14/20	3.0	1200	42.73	0	21.8	7.5	226.1	1.0	3.2	35.1
GWC-47R	9/15/20	4.0	2160	42.70	4.8	19.2	7.6	300.3	0.4	4.0	40.1
GWC-48	9/14/20	7.7	3840	39.56	0.1	21.1	5.0	45.7	0.1	3.5	62.5
GWC-49R	9/11/20	13.0	6000	57.29	-2.0	22.4	8.0	234.7	1.3	7.2	36.4
GWC-49Z	9/14/20	9.3	3840	57.18	1.2	20.0	5.3	24.3	1.4	7.2	63.4
GWA-50	9/16/20	16.8	8400	61.24	14.8	17.4	5.6	21.5	0.6	6.2	76.2
GWA-50R	9/15/20	3.4	1680	77.09	0.01	17.9	5.3	15.8	0.3	10.2	71.3
GWA-51RZ	9/9/20	16.0	5340	57.78	26.8	23.5	7.6	392.4	1.6	6.8	130.0
GWA-52	9/3/20	3.0	960	58.20	0	22.2	7.6	262.8	0.6	7.8	33.7
GWA-53	9/8/20	12.0	5520	59.31	0.04	21.3	7.7	257.1	4.3	7.0	27.4
GWA-53R	9/8/20	4.8	1920	59.98	0.03	20.8	7.7	262.2	1.0	6.7	24.0
GWA-54	9/8/20	4.6	1920	52.40	0.02	21.6	7.6	459.3	1.2	2.9	22.8
GWA-55	9/4/20	3.2	1200	44.77	0.02	20.2	7.2	413.3	0.4	3.0	43.9
GWA-55R	9/4/20	4.1	1440	44.62	0.05	20.6	7.6	322.4	0.5	0.2	25.4
GWA-56	9/4/20	7.7	3840	40.23	0.4	22.0	7.8	548.1	0.5	2.6	25.7

Low-Flow Test Report:

Test Date / Time: 9/15/2020 9:31:46 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-1 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 141.8 ft Total Depth: 151.8 ft Initial Depth to Water: 86.28 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 146.8 ft Estimated Total Volume Pumped: 13640 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 10.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 1 L

At 10:14, pump rate dropped to 120 mL/min and at 10:59 to 110 mL/min to stabilize head drop.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/15/2020 9:31 AM	00:00	7.06 pH	19.01 °C	318.40 µS/cm	7.53 mg/L	0.20 NTU	44.6 mV	86.28 ft	0.15 PSU	170.00 ml/min
9/15/2020 9:35 AM	04:00	7.03 pH	18.03 °C	305.05 µS/cm	1.11 mg/L	0.38 NTU	18.9 mV	88.18 ft	0.15 PSU	170.00 ml/min
9/15/2020 9:39 AM	08:00	7.31 pH	17.89 °C	300.54 µS/cm	0.80 mg/L	1.52 NTU	24.2 mV	88.98 ft	0.14 PSU	170.00 ml/min
9/15/2020 9:43 AM	12:00	7.40 pH	17.77 °C	298.06 µS/cm	1.07 mg/L	1.96 NTU	25.5 mV	89.76 ft	0.14 PSU	170.00 ml/min
9/15/2020 9:47 AM	16:00	7.43 pH	17.69 °C	296.88 µS/cm	1.10 mg/L	1.50 NTU	24.0 mV	90.46 ft	0.14 PSU	170.00 ml/min
9/15/2020 9:51 AM	20:00	7.45 pH	17.73 °C	296.30 µS/cm	1.10 mg/L	1.55 NTU	22.2 mV	91.15 ft	0.14 PSU	170.00 ml/min
9/15/2020 9:55 AM	24:00	7.46 pH	17.67 °C	296.21 µS/cm	1.09 mg/L	1.30 NTU	21.0 mV	91.78 ft	0.14 PSU	170.00 ml/min
9/15/2020 9:59 AM	28:00	7.47 pH	17.67 °C	296.66 µS/cm	1.07 mg/L	1.46 NTU	19.6 mV	92.38 ft	0.14 PSU	170.00 ml/min
9/15/2020 10:03 AM	32:00	7.48 pH	17.67 °C	296.89 µS/cm	1.05 mg/L	1.31 NTU	18.0 mV	92.95 ft	0.14 PSU	170.00 ml/min
9/15/2020 10:07 AM	36:00	7.48 pH	17.64 °C	297.31 µS/cm	1.03 mg/L	1.19 NTU	16.5 mV	93.51 ft	0.14 PSU	170.00 ml/min
9/15/2020 10:11 AM	40:00	7.48 pH	17.62 °C	297.29 µS/cm	1.00 mg/L	1.33 NTU	14.7 mV	94.03 ft	0.14 PSU	170.00 ml/min
9/15/2020 10:15 AM	44:00	7.47 pH	18.01 °C	298.14 µS/cm	1.00 mg/L	1.53 NTU	13.3 mV	94.28 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:19 AM	48:00	7.46 pH	18.10 °C	297.86 µS/cm	0.98 mg/L	1.50 NTU	12.4 mV	94.48 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:23 AM	52:00	7.45 pH	18.10 °C	297.58 µS/cm	0.94 mg/L	1.67 NTU	11.2 mV	94.67 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:27 AM	56:00	7.45 pH	18.10 °C	298.66 µS/cm	0.85 mg/L	1.66 NTU	9.2 mV	94.86 ft	0.14 PSU	120.00 ml/min

9/15/2020 10:31 AM	01:00:00	7.44 pH	18.10 °C	299.30 µS/cm	0.79 mg/L	2.00 NTU	7.8 mV	95.05 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:35 AM	01:04:00	7.44 pH	18.12 °C	299.25 µS/cm	0.79 mg/L	1.55 NTU	6.5 mV	95.23 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:39 AM	01:08:00	7.44 pH	18.08 °C	299.86 µS/cm	0.80 mg/L	1.51 NTU	5.0 mV	95.42 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:43 AM	01:12:00	7.44 pH	18.07 °C	299.84 µS/cm	0.80 mg/L	1.67 NTU	4.6 mV	95.59 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:47 AM	01:16:00	7.44 pH	18.02 °C	300.12 µS/cm	0.82 mg/L	1.46 NTU	4.1 mV	95.76 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:51 AM	01:20:00	7.44 pH	18.03 °C	299.94 µS/cm	0.84 mg/L	1.40 NTU	3.5 mV	95.92 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:55 AM	01:24:00	7.44 pH	18.02 °C	300.19 µS/cm	0.88 mg/L	1.48 NTU	4.1 mV	96.09 ft	0.14 PSU	120.00 ml/min
9/15/2020 10:59 AM	01:28:00	7.44 pH	18.18 °C	300.52 µS/cm	0.90 mg/L	1.66 NTU	3.4 mV	96.19 ft	0.14 PSU	110.00 ml/min
9/15/2020 11:03 AM	01:32:00	7.43 pH	18.27 °C	300.33 µS/cm	0.93 mg/L	1.76 NTU	4.1 mV	96.24 ft	0.14 PSU	110.00 ml/min
9/15/2020 11:07 AM	01:36:00	7.43 pH	18.29 °C	299.91 µS/cm	0.95 mg/L	1.71 NTU	3.7 mV	96.31 ft	0.14 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-1	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/15/2020 11:52:29 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 144.25 ft Total Depth: 154.25 ft Initial Depth to Water: 81.98 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 149.25 ft Estimated Total Volume Pumped: 19240 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Well took two and a half hours to stabilize pH and K.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/15/2020 11:52 AM	00:00	7.62 pH	20.01 °C	460.25 µS/cm	9.55 mg/L	0.24 NTU	47.9 mV	81.98 ft	0.22 PSU	130.00 ml/min
9/15/2020 11:56 AM	04:00	7.07 pH	18.54 °C	470.00 µS/cm	6.28 mg/L	0.16 NTU	38.8 mV	82.06 ft	0.23 PSU	130.00 ml/min
9/15/2020 12:00 PM	08:00	6.83 pH	18.29 °C	285.31 µS/cm	6.07 mg/L	0.14 NTU	41.9 mV	82.06 ft	0.14 PSU	130.00 ml/min
9/15/2020 12:04 PM	12:00	6.48 pH	18.18 °C	135.41 µS/cm	6.21 mg/L	0.10 NTU	49.0 mV	82.06 ft	0.06 PSU	130.00 ml/min
9/15/2020 12:08 PM	16:00	6.23 pH	18.15 °C	89.80 µS/cm	6.26 mg/L	0.04 NTU	53.7 mV	82.06 ft	0.04 PSU	130.00 ml/min
9/15/2020 12:12 PM	20:00	6.06 pH	18.14 °C	65.17 µS/cm	6.33 mg/L	0.08 NTU	57.5 mV	82.06 ft	0.03 PSU	130.00 ml/min
9/15/2020 12:16 PM	24:00	5.93 pH	18.07 °C	50.71 µS/cm	6.41 mg/L	0.02 NTU	60.2 mV	82.06 ft	0.02 PSU	130.00 ml/min
9/15/2020 12:20 PM	28:00	5.84 pH	18.05 °C	42.64 µS/cm	6.47 mg/L	0.05 NTU	60.5 mV	82.06 ft	0.02 PSU	130.00 ml/min
9/15/2020 12:24 PM	32:00	5.75 pH	18.09 °C	35.11 µS/cm	6.50 mg/L	0.13 NTU	61.6 mV	82.06 ft	0.02 PSU	130.00 ml/min
9/15/2020 12:28 PM	36:00	5.69 pH	18.04 °C	30.38 µS/cm	6.57 mg/L	0.17 NTU	60.9 mV	82.06 ft	0.01 PSU	130.00 ml/min
9/15/2020 12:32 PM	40:00	5.65 pH	18.04 °C	28.26 µS/cm	6.58 mg/L	0.31 NTU	60.0 mV	82.06 ft	0.01 PSU	130.00 ml/min
9/15/2020 12:36 PM	44:00	5.63 pH	17.98 °C	26.34 µS/cm	6.65 mg/L	0.27 NTU	59.5 mV	82.06 ft	0.01 PSU	130.00 ml/min
9/15/2020 12:40 PM	48:00	5.62 pH	17.98 °C	26.18 µS/cm	6.63 mg/L	0.25 NTU	58.0 mV	82.06 ft	0.01 PSU	130.00 ml/min
9/15/2020 12:44 PM	52:00	5.62 pH	17.94 °C	27.09 µS/cm	6.61 mg/L	0.29 NTU	56.7 mV	82.06 ft	0.01 PSU	130.00 ml/min
9/15/2020 12:48 PM	56:00	5.64 pH	17.94 °C	29.64 µS/cm	6.63 mg/L	0.31 NTU	55.4 mV	82.06 ft	0.01 PSU	130.00 ml/min

9/15/2020 12:52 PM	01:00:00	5.68 pH	17.92 °C	33.62 µS/cm	6.66 mg/L	0.34 NTU	54.2 mV	82.06 ft	0.01 PSU	130.00 ml/min
9/15/2020 12:56 PM	01:04:00	5.73 pH	17.92 °C	38.94 µS/cm	6.65 mg/L	0.26 NTU	52.8 mV	82.06 ft	0.02 PSU	130.00 ml/min
9/15/2020 1:00 PM	01:08:00	5.77 pH	17.98 °C	44.15 µS/cm	6.65 mg/L	0.31 NTU	51.5 mV	82.06 ft	0.02 PSU	130.00 ml/min
9/15/2020 1:04 PM	01:12:00	5.83 pH	17.94 °C	51.01 µS/cm	6.64 mg/L	0.30 NTU	50.2 mV	82.06 ft	0.02 PSU	130.00 ml/min
9/15/2020 1:08 PM	01:16:00	5.88 pH	18.00 °C	57.03 µS/cm	6.63 mg/L	0.38 NTU	49.0 mV	82.06 ft	0.03 PSU	130.00 ml/min
9/15/2020 1:12 PM	01:20:00	5.93 pH	18.00 °C	63.10 µS/cm	6.62 mg/L	0.31 NTU	48.1 mV	82.06 ft	0.03 PSU	130.00 ml/min
9/15/2020 1:16 PM	01:24:00	5.97 pH	17.98 °C	70.14 µS/cm	6.63 mg/L	0.29 NTU	47.1 mV	82.06 ft	0.03 PSU	130.00 ml/min
9/15/2020 1:20 PM	01:28:00	6.01 pH	18.03 °C	78.71 µS/cm	6.63 mg/L	0.31 NTU	46.3 mV	82.06 ft	0.04 PSU	130.00 ml/min
9/15/2020 1:24 PM	01:32:00	6.04 pH	18.07 °C	86.24 µS/cm	6.68 mg/L	0.30 NTU	46.0 mV	82.06 ft	0.04 PSU	130.00 ml/min
9/15/2020 1:28 PM	01:36:00	6.08 pH	18.13 °C	93.80 µS/cm	6.65 mg/L	0.28 NTU	45.6 mV	82.06 ft	0.04 PSU	130.00 ml/min
9/15/2020 1:32 PM	01:40:00	6.11 pH	18.16 °C	101.47 µS/cm	6.73 mg/L	0.34 NTU	44.9 mV	82.06 ft	0.05 PSU	130.00 ml/min
9/15/2020 1:36 PM	01:44:00	6.14 pH	18.19 °C	109.34 µS/cm	6.74 mg/L	0.29 NTU	44.5 mV	82.06 ft	0.05 PSU	130.00 ml/min
9/15/2020 1:40 PM	01:48:00	6.17 pH	18.14 °C	117.80 µS/cm	6.79 mg/L	0.27 NTU	43.8 mV	82.06 ft	0.06 PSU	130.00 ml/min
9/15/2020 1:44 PM	01:52:00	6.20 pH	18.26 °C	124.87 µS/cm	6.78 mg/L	0.26 NTU	43.8 mV	82.06 ft	0.06 PSU	130.00 ml/min
9/15/2020 1:48 PM	01:56:00	6.24 pH	18.34 °C	131.98 µS/cm	6.79 mg/L	0.31 NTU	43.2 mV	82.06 ft	0.06 PSU	130.00 ml/min
9/15/2020 1:52 PM	02:00:00	6.26 pH	18.38 °C	138.38 µS/cm	6.81 mg/L	0.25 NTU	43.2 mV	82.06 ft	0.07 PSU	130.00 ml/min
9/15/2020 1:56 PM	02:04:00	6.28 pH	18.42 °C	144.07 µS/cm	6.85 mg/L	0.22 NTU	42.5 mV	82.06 ft	0.07 PSU	130.00 ml/min
9/15/2020 2:00 PM	02:08:00	6.30 pH	18.56 °C	150.02 µS/cm	6.86 mg/L	0.29 NTU	42.2 mV	82.06 ft	0.07 PSU	130.00 ml/min
9/15/2020 2:04 PM	02:12:00	6.32 pH	18.71 °C	154.21 µS/cm	6.84 mg/L	0.27 NTU	42.2 mV	82.06 ft	0.07 PSU	130.00 ml/min
9/15/2020 2:08 PM	02:16:00	6.34 pH	18.73 °C	158.31 µS/cm	6.85 mg/L	0.24 NTU	41.7 mV	82.06 ft	0.08 PSU	130.00 ml/min
9/15/2020 2:12 PM	02:20:00	6.35 pH	18.72 °C	161.51 µS/cm	6.85 mg/L	0.27 NTU	41.9 mV	82.06 ft	0.08 PSU	130.00 ml/min
9/15/2020 2:16 PM	02:24:00	6.37 pH	18.74 °C	163.84 µS/cm	6.83 mg/L	0.22 NTU	41.5 mV	82.06 ft	0.08 PSU	130.00 ml/min
9/15/2020 2:20 PM	02:28:00	6.38 pH	18.77 °C	167.18 µS/cm	6.86 mg/L	0.23 NTU	41.5 mV	82.06 ft	0.08 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-2	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/15/2020 3:07:04 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

<p>Location Name: GWA-2R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.4 ft Total Depth: 107.4 ft Initial Depth to Water: 81.88 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 102.4 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 1.72 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728638</p>
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Test Notes:

Prepurged 0.5 L

Well took one hour 20 minutes to stabilize RDO.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/15/2020 3:07 PM	00:00	6.65 pH	20.60 °C	265.63 µS/cm	6.92 mg/L	1.08 NTU	48.3 mV	81.88 ft	0.13 PSU	150.00 ml/min
9/15/2020 3:11 PM	04:00	6.79 pH	18.62 °C	251.76 µS/cm	2.35 mg/L	0.23 NTU	-8.5 mV	82.91 ft	0.12 PSU	150.00 ml/min
9/15/2020 3:15 PM	08:00	7.01 pH	18.24 °C	235.45 µS/cm	0.88 mg/L	1.60 NTU	-5.4 mV	83.26 ft	0.11 PSU	150.00 ml/min
9/15/2020 3:19 PM	12:00	7.04 pH	18.09 °C	225.59 µS/cm	0.52 mg/L	1.15 NTU	-5.1 mV	83.35 ft	0.11 PSU	150.00 ml/min
9/15/2020 3:23 PM	16:00	7.08 pH	18.04 °C	217.61 µS/cm	0.41 mg/L	0.92 NTU	-2.7 mV	83.45 ft	0.10 PSU	150.00 ml/min
9/15/2020 3:27 PM	20:00	7.09 pH	18.02 °C	210.91 µS/cm	0.37 mg/L	0.83 NTU	0.2 mV	83.51 ft	0.10 PSU	150.00 ml/min
9/15/2020 3:31 PM	24:00	7.07 pH	17.98 °C	206.41 µS/cm	0.44 mg/L	0.56 NTU	1.8 mV	83.55 ft	0.10 PSU	150.00 ml/min
9/15/2020 3:35 PM	28:00	7.05 pH	17.98 °C	202.95 µS/cm	0.76 mg/L	0.52 NTU	2.5 mV	83.58 ft	0.10 PSU	150.00 ml/min
9/15/2020 3:39 PM	32:00	7.05 pH	17.98 °C	200.39 µS/cm	1.26 mg/L	0.50 NTU	4.1 mV	83.60 ft	0.10 PSU	150.00 ml/min
9/15/2020 3:43 PM	36:00	7.06 pH	17.90 °C	197.65 µS/cm	1.87 mg/L	0.63 NTU	6.6 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 3:47 PM	40:00	7.09 pH	17.91 °C	195.69 µS/cm	2.55 mg/L	0.81 NTU	8.5 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 3:51 PM	44:00	7.13 pH	17.89 °C	194.01 µS/cm	3.23 mg/L	0.92 NTU	9.9 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 3:55 PM	48:00	7.17 pH	17.90 °C	192.36 µS/cm	3.82 mg/L	0.45 NTU	11.4 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 3:59 PM	52:00	7.22 pH	17.87 °C	191.00 µS/cm	4.36 mg/L	0.45 NTU	12.8 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 4:03 PM	56:00	7.26 pH	17.84 °C	189.88 µS/cm	4.78 mg/L	0.81 NTU	13.9 mV	83.60 ft	0.09 PSU	150.00 ml/min

9/15/2020 4:07 PM	01:00:00	7.30 pH	17.89 °C	188.47 µS/cm	5.20 mg/L	0.39 NTU	14.6 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 4:11 PM	01:04:00	7.33 pH	17.90 °C	186.89 µS/cm	5.58 mg/L	0.36 NTU	15.3 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 4:15 PM	01:08:00	7.37 pH	17.92 °C	185.88 µS/cm	5.87 mg/L	0.26 NTU	16.1 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 4:19 PM	01:12:00	7.40 pH	17.90 °C	184.94 µS/cm	6.13 mg/L	0.23 NTU	16.8 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 4:23 PM	01:16:00	7.43 pH	17.86 °C	184.09 µS/cm	6.31 mg/L	0.29 NTU	17.2 mV	83.60 ft	0.09 PSU	150.00 ml/min
9/15/2020 4:27 PM	01:20:00	7.45 pH	17.94 °C	183.82 µS/cm	6.51 mg/L	0.20 NTU	17.4 mV	83.60 ft	0.09 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-2R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/16/2020 9:32:22 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-3 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 88.2 ft Total Depth: 98.2 ft Initial Depth to Water: 66.46 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 93.2 ft Estimated Total Volume Pumped: 28320 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 19.31 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 1 L

Well pumped until head drop stabilized to see if pH would drop. No effect. Called Pete Robinson at 13:36 to confirm redevelopment.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/16/2020 9:32 AM	00:00	9.80 pH	18.48 °C	72.87 µS/cm	7.55 mg/L	7.11 NTU	51.3 mV	66.46 ft	0.03 PSU	190.00 ml/min
9/16/2020 9:36 AM	04:00	11.61 pH	17.63 °C	691.16 µS/cm	7.27 mg/L	15.50 NTU	11.9 mV	68.32 ft	0.34 PSU	190.00 ml/min
9/16/2020 9:40 AM	08:00	11.78 pH	17.54 °C	984.13 µS/cm	7.80 mg/L	12.60 NTU	8.7 mV	69.13 ft	0.49 PSU	190.00 ml/min
9/16/2020 9:44 AM	12:00	11.83 pH	17.54 °C	1,066.9 µS/cm	7.96 mg/L	15.70 NTU	8.9 mV	69.90 ft	0.53 PSU	190.00 ml/min
9/16/2020 9:48 AM	16:00	11.84 pH	17.54 °C	1,076.5 µS/cm	7.90 mg/L	14.90 NTU	9.3 mV	70.64 ft	0.54 PSU	190.00 ml/min
9/16/2020 9:52 AM	20:00	11.85 pH	17.52 °C	1,074.8 µS/cm	7.75 mg/L	13.60 NTU	9.8 mV	71.35 ft	0.54 PSU	190.00 ml/min
9/16/2020 9:56 AM	24:00	11.85 pH	17.79 °C	1,071.4 µS/cm	7.54 mg/L	13.00 NTU	10.1 mV	71.86 ft	0.54 PSU	110.00 ml/min
9/16/2020 10:00 AM	28:00	11.85 pH	17.94 °C	1,066.9 µS/cm	7.49 mg/L	8.54 NTU	10.3 mV	72.22 ft	0.53 PSU	110.00 ml/min
9/16/2020 10:04 AM	32:00	11.84 pH	17.94 °C	1,059.7 µS/cm	7.43 mg/L	7.23 NTU	10.6 mV	72.64 ft	0.53 PSU	110.00 ml/min
9/16/2020 10:08 AM	36:00	11.84 pH	17.96 °C	1,060.4 µS/cm	7.38 mg/L	7.14 NTU	10.6 mV	73.02 ft	0.53 PSU	110.00 ml/min
9/16/2020 10:12 AM	40:00	11.84 pH	17.96 °C	1,054.1 µS/cm	7.33 mg/L	5.67 NTU	10.8 mV	73.40 ft	0.53 PSU	110.00 ml/min
9/16/2020 10:16 AM	44:00	11.84 pH	17.94 °C	1,047.8 µS/cm	7.31 mg/L	5.35 NTU	11.1 mV	73.81 ft	0.52 PSU	110.00 ml/min
9/16/2020 10:20 AM	48:00	11.84 pH	17.88 °C	1,033.0 µS/cm	7.30 mg/L	4.42 NTU	11.2 mV	74.21 ft	0.52 PSU	110.00 ml/min
9/16/2020 10:24 AM	52:00	11.84 pH	17.85 °C	1,019.7 µS/cm	7.29 mg/L	4.11 NTU	11.2 mV	74.61 ft	0.51 PSU	110.00 ml/min

9/16/2020 10:28 AM	56:00	11.84 pH	17.81 °C	1,011.7 µS/cm	7.29 mg/L	3.71 NTU	11.5 mV	75.01 ft	0.50 PSU	110.00 ml/min
9/16/2020 10:32 AM	01:00:00	11.84 pH	17.80 °C	1,012.8 µS/cm	7.25 mg/L	2.96 NTU	11.5 mV	75.41 ft	0.51 PSU	110.00 ml/min
9/16/2020 10:36 AM	01:04:00	11.84 pH	17.78 °C	1,006.2 µS/cm	7.25 mg/L	2.29 NTU	11.9 mV	75.81 ft	0.50 PSU	110.00 ml/min
9/16/2020 10:40 AM	01:08:00	11.84 pH	17.80 °C	996.64 µS/cm	7.21 mg/L	2.44 NTU	11.9 mV	76.24 ft	0.50 PSU	110.00 ml/min
9/16/2020 10:44 AM	01:12:00	11.84 pH	17.75 °C	990.21 µS/cm	7.21 mg/L	1.87 NTU	12.0 mV	76.62 ft	0.49 PSU	110.00 ml/min
9/16/2020 10:48 AM	01:16:00	11.84 pH	17.79 °C	969.90 µS/cm	7.21 mg/L	1.91 NTU	12.3 mV	76.99 ft	0.48 PSU	110.00 ml/min
9/16/2020 10:52 AM	01:20:00	11.84 pH	17.80 °C	964.88 µS/cm	7.20 mg/L	1.82 NTU	12.2 mV	77.35 ft	0.48 PSU	110.00 ml/min
9/16/2020 10:56 AM	01:24:00	11.83 pH	17.76 °C	940.37 µS/cm	7.16 mg/L	5.70 NTU	12.5 mV	77.69 ft	0.47 PSU	110.00 ml/min
9/16/2020 11:00 AM	01:28:00	11.82 pH	17.79 °C	924.61 µS/cm	7.16 mg/L	6.83 NTU	12.6 mV	78.02 ft	0.46 PSU	110.00 ml/min
9/16/2020 11:04 AM	01:32:00	11.81 pH	17.80 °C	895.26 µS/cm	7.17 mg/L	20.00 NTU	12.8 mV	78.37 ft	0.44 PSU	110.00 ml/min
9/16/2020 11:08 AM	01:36:00	11.80 pH	17.76 °C	866.32 µS/cm	7.21 mg/L	40.10 NTU	12.8 mV	78.68 ft	0.43 PSU	110.00 ml/min
9/16/2020 11:12 AM	01:40:00	11.79 pH	17.76 °C	841.26 µS/cm	7.29 mg/L	33.40 NTU	13.0 mV	79.00 ft	0.42 PSU	110.00 ml/min
9/16/2020 11:16 AM	01:44:00	11.78 pH	17.77 °C	827.40 µS/cm	7.36 mg/L	23.40 NTU	13.2 mV	79.30 ft	0.41 PSU	110.00 ml/min
9/16/2020 11:20 AM	01:48:00	11.76 pH	17.75 °C	799.81 µS/cm	7.41 mg/L	21.90 NTU	13.4 mV	79.60 ft	0.40 PSU	110.00 ml/min
9/16/2020 11:24 AM	01:52:00	11.75 pH	17.76 °C	779.35 µS/cm	7.45 mg/L	18.80 NTU	13.6 mV	79.88 ft	0.38 PSU	110.00 ml/min
9/16/2020 11:28 AM	01:56:00	11.75 pH	17.78 °C	767.45 µS/cm	7.46 mg/L	15.40 NTU	13.7 mV	80.15 ft	0.38 PSU	110.00 ml/min
9/16/2020 11:32 AM	02:00:00	11.74 pH	17.76 °C	751.85 µS/cm	7.48 mg/L	12.40 NTU	13.8 mV	80.42 ft	0.37 PSU	110.00 ml/min
9/16/2020 11:36 AM	02:04:00	11.73 pH	17.80 °C	739.39 µS/cm	7.49 mg/L	11.20 NTU	13.8 mV	80.69 ft	0.36 PSU	110.00 ml/min
9/16/2020 11:40 AM	02:08:00	11.73 pH	17.84 °C	735.62 µS/cm	7.53 mg/L	13.20 NTU	14.1 mV	80.95 ft	0.36 PSU	110.00 ml/min
9/16/2020 11:44 AM	02:12:00	11.73 pH	17.80 °C	740.13 µS/cm	7.60 mg/L	27.30 NTU	13.9 mV	81.18 ft	0.36 PSU	110.00 ml/min
9/16/2020 11:48 AM	02:16:00	11.73 pH	17.80 °C	737.39 µS/cm	7.65 mg/L	25.60 NTU	13.9 mV	81.37 ft	0.36 PSU	110.00 ml/min
9/16/2020 11:52 AM	02:20:00	11.73 pH	17.80 °C	740.66 µS/cm	7.68 mg/L	23.40 NTU	14.1 mV	81.63 ft	0.37 PSU	110.00 ml/min
9/16/2020 11:56 AM	02:24:00	11.73 pH	17.80 °C	739.86 µS/cm	7.73 mg/L	39.50 NTU	14.0 mV	81.86 ft	0.36 PSU	110.00 ml/min
9/16/2020 12:00 PM	02:28:00	11.73 pH	17.82 °C	748.11 µS/cm	7.78 mg/L	37.30 NTU	13.8 mV	82.07 ft	0.37 PSU	110.00 ml/min
9/16/2020 12:04 PM	02:32:00	11.73 pH	17.85 °C	747.52 µS/cm	7.81 mg/L	25.50 NTU	13.8 mV	82.27 ft	0.37 PSU	110.00 ml/min
9/16/2020 12:08 PM	02:36:00	11.73 pH	17.89 °C	746.90 µS/cm	7.86 mg/L	21.00 NTU	13.8 mV	82.46 ft	0.37 PSU	110.00 ml/min
9/16/2020 12:12 PM	02:40:00	11.73 pH	17.89 °C	756.19 µS/cm	7.94 mg/L	23.00 NTU	13.9 mV	82.64 ft	0.37 PSU	110.00 ml/min
9/16/2020 12:16 PM	02:44:00	11.73 pH	17.94 °C	756.96 µS/cm	7.99 mg/L	29.90 NTU	13.9 mV	82.85 ft	0.37 PSU	110.00 ml/min
9/16/2020 12:20 PM	02:48:00	11.73 pH	17.98 °C	749.87 µS/cm	8.02 mg/L	31.10 NTU	14.0 mV	83.04 ft	0.37 PSU	110.00 ml/min

9/16/2020 12:24 PM	02:52:00	11.72 pH	18.00 °C	746.63 µS/cm	8.08 mg/L	34.80 NTU	14.0 mV	83.21 ft	0.37 PSU	110.00 ml/min
9/16/2020 12:28 PM	02:56:00	11.72 pH	18.02 °C	740.43 µS/cm	8.09 mg/L	28.20 NTU	14.3 mV	83.40 ft	0.37 PSU	110.00 ml/min
9/16/2020 12:32 PM	03:00:00	11.71 pH	18.04 °C	731.76 µS/cm	8.18 mg/L	36.80 NTU	14.3 mV	83.55 ft	0.36 PSU	110.00 ml/min
9/16/2020 12:36 PM	03:04:00	11.70 pH	18.02 °C	715.88 µS/cm	8.28 mg/L	34.30 NTU	14.4 mV	83.71 ft	0.35 PSU	110.00 ml/min
9/16/2020 12:40 PM	03:08:00	11.70 pH	17.98 °C	712.17 µS/cm	8.31 mg/L	29.60 NTU	14.5 mV	83.90 ft	0.35 PSU	110.00 ml/min
9/16/2020 12:44 PM	03:12:00	11.69 pH	17.86 °C	704.00 µS/cm	8.33 mg/L	27.10 NTU	14.5 mV	84.05 ft	0.35 PSU	110.00 ml/min
9/16/2020 12:48 PM	03:16:00	11.69 pH	17.73 °C	690.25 µS/cm	8.36 mg/L	26.40 NTU	14.6 mV	84.21 ft	0.34 PSU	110.00 ml/min
9/16/2020 12:52 PM	03:20:00	11.69 pH	17.58 °C	687.00 µS/cm	8.40 mg/L	25.30 NTU	14.7 mV	84.40 ft	0.34 PSU	110.00 ml/min
9/16/2020 12:56 PM	03:24:00	11.68 pH	17.50 °C	675.71 µS/cm	8.43 mg/L	30.10 NTU	14.7 mV	84.54 ft	0.33 PSU	110.00 ml/min
9/16/2020 1:00 PM	03:28:00	11.67 pH	17.49 °C	663.43 µS/cm	8.45 mg/L	26.70 NTU	14.8 mV	84.69 ft	0.33 PSU	110.00 ml/min
9/16/2020 1:04 PM	03:32:00	11.67 pH	17.53 °C	651.88 µS/cm	8.45 mg/L	23.70 NTU	14.9 mV	84.85 ft	0.32 PSU	110.00 ml/min
9/16/2020 1:08 PM	03:36:00	11.66 pH	17.54 °C	638.32 µS/cm	8.45 mg/L	21.60 NTU	14.8 mV	84.99 ft	0.31 PSU	110.00 ml/min
9/16/2020 1:12 PM	03:40:00	11.65 pH	17.54 °C	628.04 µS/cm	8.44 mg/L	20.40 NTU	14.8 mV	85.14 ft	0.31 PSU	110.00 ml/min
9/16/2020 1:16 PM	03:44:00	11.64 pH	17.54 °C	618.08 µS/cm	8.44 mg/L	18.80 NTU	15.2 mV	85.26 ft	0.30 PSU	110.00 ml/min
9/16/2020 1:20 PM	03:48:00	11.63 pH	17.49 °C	608.00 µS/cm	8.44 mg/L	20.40 NTU	15.0 mV	85.40 ft	0.30 PSU	110.00 ml/min
9/16/2020 1:24 PM	03:52:00	11.63 pH	17.45 °C	598.69 µS/cm	8.44 mg/L	24.10 NTU	15.2 mV	85.54 ft	0.29 PSU	110.00 ml/min
9/16/2020 1:28 PM	03:56:00	11.62 pH	17.45 °C	589.08 µS/cm	8.44 mg/L	20.50 NTU	15.4 mV	85.65 ft	0.29 PSU	110.00 ml/min
9/16/2020 1:32 PM	04:00:00	11.61 pH	17.46 °C	580.19 µS/cm	8.47 mg/L	23.50 NTU	15.3 mV	85.77 ft	0.28 PSU	110.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/16/2020 2:44:52 PM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

Location Name: GWA-4RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 110.07 ft Total Depth: 120.07 ft Initial Depth to Water: 87.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 115.07 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 22.7 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Pre-purged 3 liters. Water level did not stabilize and dropped below top of screen. Complete evacuation method initiated.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/16/2020 2:44 PM	00:00	7.05 pH	17.67 °C	451.50 µS/cm	0.23 mg/L	0.48 NTU	-26.1 mV	92.45 ft	0.22 PSU	120.00 ml/min
9/16/2020 2:48 PM	04:00	7.13 pH	17.49 °C	448.10 µS/cm	0.20 mg/L	0.43 NTU	-39.0 mV	93.32 ft	0.22 PSU	120.00 ml/min
9/16/2020 2:52 PM	08:00	7.17 pH	17.50 °C	447.60 µS/cm	0.20 mg/L	0.42 NTU	-49.6 mV	93.96 ft	0.22 PSU	120.00 ml/min
9/16/2020 2:56 PM	12:00	7.20 pH	17.52 °C	433.86 µS/cm	0.20 mg/L	0.43 NTU	-52.6 mV	94.36 ft	0.21 PSU	120.00 ml/min
9/16/2020 3:00 PM	16:00	7.23 pH	17.55 °C	426.39 µS/cm	0.21 mg/L	0.51 NTU	-50.1 mV	95.28 ft	0.21 PSU	120.00 ml/min
9/16/2020 3:04 PM	20:00	7.24 pH	17.57 °C	418.50 µS/cm	0.22 mg/L	0.47 NTU	-47.1 mV	95.82 ft	0.20 PSU	120.00 ml/min
9/16/2020 3:08 PM	24:00	7.25 pH	17.51 °C	412.95 µS/cm	0.23 mg/L	0.48 NTU	-43.6 mV	96.24 ft	0.20 PSU	120.00 ml/min
9/16/2020 3:12 PM	28:00	7.25 pH	17.47 °C	407.32 µS/cm	0.24 mg/L	0.52 NTU	-40.5 mV	96.99 ft	0.20 PSU	120.00 ml/min
9/16/2020 3:16 PM	32:00	7.25 pH	17.45 °C	402.59 µS/cm	0.24 mg/L	0.37 NTU	-38.1 mV	97.68 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:20 PM	36:00	7.25 pH	17.38 °C	401.27 µS/cm	0.24 mg/L	0.43 NTU	-35.8 mV	98.40 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:24 PM	40:00	7.25 pH	17.41 °C	398.11 µS/cm	0.25 mg/L	0.33 NTU	-34.3 mV	99.09 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:28 PM	44:00	7.25 pH	17.38 °C	395.89 µS/cm	0.26 mg/L	0.74 NTU	-33.0 mV	99.91 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:32 PM	48:00	7.26 pH	17.36 °C	396.66 µS/cm	0.27 mg/L	0.53 NTU	-31.8 mV	100.64 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:36 PM	52:00	7.26 pH	17.36 °C	395.47 µS/cm	0.28 mg/L	0.52 NTU	-31.1 mV	101.32 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:40 PM	56:00	7.25 pH	17.37 °C	401.61 µS/cm	0.28 mg/L	0.39 NTU	-30.8 mV	102.08 ft	0.19 PSU	120.00 ml/min

9/16/2020 3:44 PM	01:00:00	7.26 pH	17.34 °C	401.86 µS/cm	0.28 mg/L	0.52 NTU	-30.8 mV	102.81 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:48 PM	01:04:00	7.26 pH	17.37 °C	399.63 µS/cm	0.30 mg/L	0.64 NTU	-30.9 mV	103.79 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:52 PM	01:08:00	7.26 pH	17.35 °C	398.21 µS/cm	0.29 mg/L	0.51 NTU	-31.0 mV	104.40 ft	0.19 PSU	120.00 ml/min
9/16/2020 3:56 PM	01:12:00	7.25 pH	17.37 °C	397.59 µS/cm	0.30 mg/L	0.44 NTU	-31.3 mV	105.21 ft	0.19 PSU	120.00 ml/min
9/16/2020 4:00 PM	01:16:00	7.25 pH	17.33 °C	397.14 µS/cm	0.31 mg/L	0.56 NTU	-31.6 mV	105.84 ft	0.19 PSU	120.00 ml/min
9/16/2020 4:04 PM	01:20:00	7.25 pH	17.33 °C	397.68 µS/cm	0.33 mg/L	0.53 NTU	-31.7 mV	106.49 ft	0.19 PSU	120.00 ml/min
9/16/2020 4:08 PM	01:24:00	7.25 pH	17.32 °C	396.51 µS/cm	0.40 mg/L	0.57 NTU	-31.4 mV	107.30 ft	0.19 PSU	120.00 ml/min
9/16/2020 4:12 PM	01:28:00	7.25 pH	17.36 °C	394.68 µS/cm	0.48 mg/L	0.42 NTU	-31.4 mV	108.04 ft	0.19 PSU	120.00 ml/min
9/16/2020 4:16 PM	01:32:00	7.25 pH	17.32 °C	394.91 µS/cm	0.55 mg/L	0.41 NTU	-31.1 mV	108.85 ft	0.19 PSU	120.00 ml/min
9/16/2020 4:20 PM	01:36:00	7.25 pH	17.28 °C	394.15 µS/cm	0.58 mg/L	0.49 NTU	-30.8 mV	109.52 ft	0.19 PSU	120.00 ml/min
9/16/2020 4:24 PM	01:40:00	7.25 pH	17.26 °C	394.09 µS/cm	0.59 mg/L	0.55 NTU	-30.6 mV	110.21 ft	0.19 PSU	120.00 ml/min

Samples

Sample ID:	Description:
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Location Properties

Location Name = Device Location

Well: GWA-4RZ

Report Properties

Start Time = 2020-09-17 15:25:26

Time Offset = -04:00:00

Duration = 00:00:34

Readings = 18

Instrument Properties

Device Model = Aqua TROLL 400

Device SN = 728638

Instrument Properties

Device Model = In-Situ Bluetooth Device

Device SN = 724809

Date Time	RDO		Oxygen	Actual	Specific			Total			Barometri							Marked
	Concentration (mg/L)	RDO Saturation (%Sat)	Partial Pressure (Torr)	Conductivity (µS/cm)	Temperature (°C)	Conductivity (µS/cm)	Salinity (PSU)	Solids (ppt)	Resistivity (Ω-cm)	Density (g/cm³)	Pressure (psi)	Depth (ft)	pH (pH)	pH mV (mV)	ORP (mV)	Pressure (mbar)	Temperature (°C)	
9/17/2020 15:25	7.639916	95.99093	131.1891	0.139508	25.31141	0.138684	0	9.01E-05	7163931	0.996968	-0.082433	0.446338	7.552015	-38.93465	47.47943	982.58	25.13984	
9/17/2020 15:25	7.192679	89.60697	122.5946	349.5789	24.79741	351.4887	0.170215	0.228468	949800	0.997228	-0.103673	0.397346	7.508939	-36.32308	29.0204	982.6324	25.1311	
9/17/2020 15:25	7.173965	89.33788	122.2326	364.3599	24.77461	366.3506	0.177415	0.238128	699612.1	0.99724	-0.104446	0.395562	7.508214	-36.27487	28.39593	982.6341	25.1309	
9/17/2020 15:25	7.155252	89.06879	121.8705	379.1409	24.75181	381.2124	0.184615	0.247788	449424.2	0.997251	-0.105219	0.393778	7.50749	-36.22667	27.77147	982.6357	25.1307	
9/17/2020 15:25	6.826821	83.27397	114.1728	392.7458	23.78525	402.5799	0.19515	0.261677	275467.4	0.997499	-0.091053	0.426456	7.479943	-34.6184	22.4364	982.6118	25.13038	
9/17/2020 15:25	6.80423	82.90056	113.6749	399.2695	23.73215	409.4921	0.198507	0.26617	163191	0.997515	-0.090759	0.427132	7.477994	-34.50293	21.88351	982.6115	25.13022	
9/17/2020 15:25	6.781639	82.52714	113.1769	405.7932	23.67905	416.4043	0.201864	0.270663	50914.61	0.997531	-0.090466	0.427809	7.476045	-34.38744	21.33062	982.6113	25.13007	
9/17/2020 15:25	6.759048	82.15372	112.679	412.3169	23.62595	423.3165	0.205221	0.275156	0	0.997547	-0.090173	0.428485	7.474096	-34.27197	20.77773	982.611	25.12991	
9/17/2020 15:25	6.47051	78.51672	107.7092	409.8672	23.39753	422.8217	0.205029	0.274834	2439.831	0.997602	-0.112381	0.377258	7.454116	-33.09334	17.42909	982.6279	25.1387	
9/17/2020 15:25	6.451152	78.24027	107.3358	409.9995	23.36835	423.1939	0.205215	0.275076	2439.034	0.997609	-0.113097	0.375607	7.452692	-33.00965	17.17695	982.6282	25.13909	
9/17/2020 15:25	6.431794	77.96384	106.9624	410.1319	23.33916	423.5662	0.205401	0.275318	2438.238	0.997616	-0.113813	0.373956	7.451268	-32.92596	16.92481	982.6285	25.13948	
9/17/2020 15:25	6.301203	76.18184	104.5418	410.1871	23.19523	424.8337	0.206034	0.276142	2437.913	0.997651	-0.11513	0.370918	7.435809	-32.01883	14.08472	982.6121	25.12285	
9/17/2020 15:25	6.289765	76.03083	104.3363	410.2124	23.18407	424.953	0.206094	0.276219	2437.762	0.997654	-0.1156	0.369833	7.434725	-31.95505	13.88935	982.6117	25.12226	
9/17/2020 15:25	6.278327	75.87982	104.1307	410.2377	23.17291	425.0722	0.206153	0.276297	2437.611	0.997657	-0.116071	0.368747	7.43364	-31.89127	13.69398	982.6113	25.12168	
9/17/2020 15:25	6.266889	75.72882	103.9251	410.2629	23.16176	425.1914	0.206213	0.276374	2437.461	0.997659	-0.116541	0.367662	7.432555	-31.82748	13.4986	982.6109	25.12109	
9/17/2020 15:25	6.24801	75.11554	103.1345	410.3347	23.00902	426.5568	0.206895	0.277262	2437.035	0.997696	-0.10802	0.387317	7.420088	-31.09769	11.17044	982.6276	25.12926	
9/17/2020 15:25	6.244591	75.05266	103.051	410.3399	22.99921	426.645	0.206939	0.277319	2437.004	0.997699	-0.107663	0.38814	7.419225	-31.04716	11.01035	982.628	25.12933	
9/17/2020 15:26	6.241173	74.98978	102.9675	410.3452	22.9894	426.7332	0.206983	0.277377	2436.973	0.997701	-0.107306	0.388964	7.418363	-30.99663	10.85026	982.6284	25.12939	

Low-Flow Test Report:

Test Date / Time: 9/16/2020 11:10:00 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 103.8 ft Total Depth: 113.8 ft Initial Depth to Water: 80.2 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 108.8 ft Estimated Total Volume Pumped: 11040 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 6.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 2L

Slight drawdown issue. Had to wait for pH to stabilize. Conductivity fell out of ranged and trended down for a while until it stabilized around 1 hr 24 min of purging

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/16/2020 11:10 AM	00:00	7.15 pH	17.99 °C	64.88 µS/cm	6.44 mg/L	3.68 NTU	87.4 mV	80.20 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:14 AM	04:00	6.92 pH	17.84 °C	66.33 µS/cm	6.32 mg/L	4.46 NTU	74.1 mV	82.06 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:18 AM	08:00	6.80 pH	17.79 °C	66.68 µS/cm	6.29 mg/L	4.32 NTU	73.3 mV	82.32 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:22 AM	12:00	6.74 pH	17.72 °C	66.00 µS/cm	6.30 mg/L	3.33 NTU	73.9 mV	82.65 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:26 AM	16:00	6.68 pH	17.69 °C	63.99 µS/cm	6.48 mg/L	2.54 NTU	75.9 mV	82.95 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:30 AM	20:00	6.63 pH	17.70 °C	62.04 µS/cm	6.64 mg/L	1.98 NTU	77.8 mV	83.22 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:34 AM	24:00	6.58 pH	17.66 °C	60.23 µS/cm	6.80 mg/L	2.08 NTU	80.7 mV	83.45 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:38 AM	28:00	6.53 pH	17.71 °C	57.79 µS/cm	6.97 mg/L	1.56 NTU	83.7 mV	83.70 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:42 AM	32:00	6.47 pH	17.70 °C	55.59 µS/cm	7.20 mg/L	1.54 NTU	86.4 mV	83.93 ft	0.03 PSU	120.00 ml/min
9/16/2020 11:46 AM	36:00	6.42 pH	17.66 °C	52.86 µS/cm	7.45 mg/L	1.30 NTU	88.7 mV	84.12 ft	0.02 PSU	120.00 ml/min
9/16/2020 11:50 AM	40:00	6.37 pH	17.65 °C	50.98 µS/cm	7.64 mg/L	1.53 NTU	90.1 mV	84.32 ft	0.02 PSU	120.00 ml/min
9/16/2020 11:54 AM	44:00	6.33 pH	17.61 °C	49.39 µS/cm	7.77 mg/L	1.32 NTU	91.6 mV	84.51 ft	0.02 PSU	120.00 ml/min
9/16/2020 11:58 AM	48:00	6.29 pH	17.67 °C	47.58 µS/cm	7.92 mg/L	1.65 NTU	93.5 mV	84.70 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:02 PM	52:00	6.25 pH	17.70 °C	45.83 µS/cm	8.10 mg/L	1.26 NTU	95.2 mV	84.90 ft	0.02 PSU	120.00 ml/min

9/16/2020 12:06 PM	56:00	6.22 pH	17.67 °C	44.50 µS/cm	8.19 mg/L	1.06 NTU	96.0 mV	85.02 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:10 PM	01:00:00	6.19 pH	17.69 °C	42.94 µS/cm	8.32 mg/L	1.06 NTU	96.5 mV	85.20 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:14 PM	01:04:00	6.15 pH	17.71 °C	41.61 µS/cm	8.44 mg/L	1.00 NTU	99.0 mV	85.33 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:18 PM	01:08:00	6.12 pH	17.75 °C	40.13 µS/cm	8.56 mg/L	1.23 NTU	99.8 mV	85.48 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:22 PM	01:12:00	6.10 pH	17.77 °C	39.32 µS/cm	8.61 mg/L	0.99 NTU	100.3 mV	85.60 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:26 PM	01:16:00	6.07 pH	17.80 °C	38.08 µS/cm	8.69 mg/L	1.01 NTU	101.3 mV	85.75 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:30 PM	01:20:00	6.05 pH	17.79 °C	37.25 µS/cm	8.77 mg/L	0.98 NTU	100.9 mV	85.87 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:34 PM	01:24:00	6.03 pH	17.81 °C	36.52 µS/cm	8.82 mg/L	0.87 NTU	101.2 mV	86.00 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:38 PM	01:28:00	6.02 pH	17.83 °C	35.77 µS/cm	8.80 mg/L	0.81 NTU	101.1 mV	86.11 ft	0.02 PSU	120.00 ml/min
9/16/2020 12:42 PM	01:32:00	6.00 pH	17.78 °C	34.91 µS/cm	8.91 mg/L	0.87 NTU	102.2 mV	86.22 ft	0.02 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-5	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/16/2020 2:00:07 PM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-6 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 101.4 ft Total Depth: 111.4 ft Initial Depth to Water: 74.82 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 106.4 ft Estimated Total Volume Pumped: 3080 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/16/2020 2:00 PM	00:00	6.89 pH	18.01 °C	124.19 µS/cm	6.77 mg/L	5.55 NTU	79.9 mV	74.82 ft	0.06 PSU	110.00 ml/min
9/16/2020 2:04 PM	04:00	6.96 pH	18.06 °C	125.74 µS/cm	7.14 mg/L	4.11 NTU	58.5 mV	75.00 ft	0.06 PSU	110.00 ml/min
9/16/2020 2:08 PM	08:00	7.09 pH	17.84 °C	134.33 µS/cm	7.30 mg/L	4.76 NTU	50.7 mV	75.00 ft	0.06 PSU	110.00 ml/min
9/16/2020 2:12 PM	12:00	7.19 pH	17.87 °C	136.43 µS/cm	7.39 mg/L	3.72 NTU	47.7 mV	75.00 ft	0.06 PSU	110.00 ml/min
9/16/2020 2:16 PM	16:00	7.26 pH	17.81 °C	136.53 µS/cm	7.44 mg/L	2.94 NTU	46.1 mV	75.00 ft	0.06 PSU	110.00 ml/min
9/16/2020 2:20 PM	20:00	7.29 pH	17.79 °C	136.48 µS/cm	7.47 mg/L	3.88 NTU	45.2 mV	75.00 ft	0.06 PSU	110.00 ml/min
9/16/2020 2:24 PM	24:00	7.31 pH	17.80 °C	136.19 µS/cm	7.46 mg/L	3.97 NTU	45.0 mV	75.00 ft	0.06 PSU	110.00 ml/min
9/16/2020 2:28 PM	28:00	7.33 pH	17.79 °C	136.24 µS/cm	7.50 mg/L		44.3 mV	75.00 ft	0.06 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-6	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/16/2020 3:28:36 PM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-6RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 98.1 ft Total Depth: 108.1 ft Initial Depth to Water: 78.35 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 103.1 ft Estimated Total Volume Pumped: 3520 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/16/2020 3:28 PM	00:00	6.51 pH	18.10 °C	104.26 µS/cm	6.05 mg/L	1.21 NTU	30.0 mV	78.35 ft	0.05 PSU	110.00 ml/min
9/16/2020 3:32 PM	04:00	6.47 pH	17.85 °C	108.18 µS/cm	5.39 mg/L	0.59 NTU	12.8 mV	78.36 ft	0.05 PSU	110.00 ml/min
9/16/2020 3:36 PM	08:00	6.62 pH	17.74 °C	102.77 µS/cm	6.29 mg/L	1.72 NTU	19.0 mV	78.36 ft	0.05 PSU	110.00 ml/min
9/16/2020 3:40 PM	12:00	6.76 pH	17.75 °C	100.22 µS/cm	6.87 mg/L	0.98 NTU	23.4 mV	78.36 ft	0.05 PSU	110.00 ml/min
9/16/2020 3:44 PM	16:00	6.85 pH	17.70 °C	99.25 µS/cm	7.12 mg/L	1.04 NTU	26.3 mV	78.36 ft	0.05 PSU	110.00 ml/min
9/16/2020 3:48 PM	20:00	6.91 pH	17.73 °C	98.81 µS/cm	7.24 mg/L	0.98 NTU	28.1 mV	78.36 ft	0.05 PSU	110.00 ml/min
9/16/2020 3:52 PM	24:00	6.95 pH	17.69 °C	98.12 µS/cm	7.31 mg/L	0.86 NTU	29.5 mV	78.36 ft	0.05 PSU	110.00 ml/min
9/16/2020 3:56 PM	28:00	6.97 pH	17.70 °C	97.59 µS/cm	7.36 mg/L	0.78 NTU	30.3 mV	78.36 ft	0.05 PSU	110.00 ml/min
9/16/2020 4:00 PM	32:00	6.99 pH	17.72 °C	96.98 µS/cm	7.47 mg/L	0.85 NTU	31.3 mV	78.36 ft	0.05 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-6RZ	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/16/2020 2:45:09 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-7Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 107 ft Total Depth: 117 ft Initial Depth to Water: 59.82 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 112 ft Estimated Total Volume Pumped: 8800 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/16/2020 2:45 PM	00:00	7.78 pH	18.92 °C	228.52 µS/cm	5.98 mg/L	1.61 NTU	2.1 mV	59.82 ft	0.11 PSU	110.00 ml/min
9/16/2020 2:49 PM	04:00	7.33 pH	17.93 °C	232.04 µS/cm	1.72 mg/L	1.29 NTU	-31.6 mV	59.90 ft	0.11 PSU	110.00 ml/min
9/16/2020 2:53 PM	08:00	7.23 pH	17.58 °C	229.42 µS/cm	0.54 mg/L	1.26 NTU	-36.9 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 2:57 PM	12:00	7.26 pH	17.46 °C	229.16 µS/cm	0.26 mg/L	1.55 NTU	-40.6 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:01 PM	16:00	7.29 pH	17.43 °C	229.37 µS/cm	0.22 mg/L	1.56 NTU	-40.5 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:05 PM	20:00	7.32 pH	17.40 °C	230.03 µS/cm	0.23 mg/L	1.97 NTU	-38.2 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:09 PM	24:00	7.35 pH	17.36 °C	231.00 µS/cm	0.31 mg/L	2.12 NTU	-37.4 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:13 PM	28:00	7.38 pH	17.31 °C	231.70 µS/cm	0.47 mg/L	2.09 NTU	-34.2 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:17 PM	32:00	7.41 pH	17.29 °C	232.23 µS/cm	0.65 mg/L	2.27 NTU	-32.0 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:21 PM	36:00	7.43 pH	17.24 °C	232.56 µS/cm	0.79 mg/L	2.20 NTU	-30.1 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:25 PM	40:00	7.45 pH	17.21 °C	232.63 µS/cm	0.93 mg/L	2.37 NTU	-29.5 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:29 PM	44:00	7.46 pH	17.22 °C	232.83 µS/cm	1.04 mg/L	2.58 NTU	-29.3 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:33 PM	48:00	7.48 pH	17.23 °C	232.52 µS/cm	1.16 mg/L	2.58 NTU	-28.8 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:37 PM	52:00	7.49 pH	17.19 °C	232.86 µS/cm	1.26 mg/L	2.70 NTU	-28.0 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:41 PM	56:00	7.50 pH	17.22 °C	233.10 µS/cm	1.35 mg/L	2.55 NTU	-27.2 mV	59.92 ft	0.11 PSU	110.00 ml/min

9/16/2020 3:45 PM	01:00:00	7.52 pH	17.23 °C	233.05 µS/cm	1.47 mg/L	2.61 NTU	-26.3 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:49 PM	01:04:00	7.53 pH	17.27 °C	232.83 µS/cm	1.54 mg/L	2.83 NTU	-25.8 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:53 PM	01:08:00	7.53 pH	17.23 °C	232.75 µS/cm	1.65 mg/L	2.79 NTU	-25.5 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 3:57 PM	01:12:00	7.55 pH	17.25 °C	232.66 µS/cm	1.71 mg/L	2.91 NTU	-25.5 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 4:01 PM	01:16:00	7.56 pH	17.18 °C	232.36 µS/cm	1.78 mg/L	2.73 NTU	-25.0 mV	59.92 ft	0.11 PSU	110.00 ml/min
9/16/2020 4:05 PM	01:20:00	7.56 pH	17.21 °C	232.63 µS/cm	1.85 mg/L	2.92 NTU	-24.3 mV	59.92 ft	0.11 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-7Z	Metals,TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/17/2020 11:27:10 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-8RR Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 101.83 ft Total Depth: 111.83 ft Initial Depth to Water: 48.76 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 106.83 ft Estimated Total Volume Pumped: 11280 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

At time 01:08:00, pump rate moved to 130 mL/min. Well pumped an additional hour to see if pH would lower into given range with no effect.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/17/2020 11:27 AM	00:00	7.30 pH	18.94 °C	194.29 µS/cm	2.66 mg/L	1.02 NTU	-23.6 mV	48.76 ft	0.09 PSU	120.00 ml/min
9/17/2020 11:31 AM	04:00	7.46 pH	18.34 °C	200.31 µS/cm	4.73 mg/L	1.97 NTU	-8.7 mV	48.80 ft	0.10 PSU	120.00 ml/min
9/17/2020 11:35 AM	08:00	7.69 pH	18.12 °C	201.70 µS/cm	7.69 mg/L	3.79 NTU	8.0 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 11:39 AM	12:00	7.81 pH	18.16 °C	202.23 µS/cm	8.29 mg/L	4.10 NTU	17.6 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 11:43 AM	16:00	7.85 pH	18.02 °C	202.08 µS/cm	8.39 mg/L	2.58 NTU	21.1 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 11:47 AM	20:00	7.87 pH	18.05 °C	202.27 µS/cm	8.50 mg/L	3.47 NTU	22.4 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 11:51 AM	24:00	7.89 pH	18.03 °C	201.83 µS/cm	8.50 mg/L	3.25 NTU	23.1 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 11:55 AM	28:00	7.90 pH	18.00 °C	201.90 µS/cm	8.57 mg/L	3.04 NTU	23.6 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 11:59 AM	32:00	7.91 pH	18.07 °C	202.08 µS/cm	8.58 mg/L	2.95 NTU	23.8 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 12:03 PM	36:00	7.92 pH	18.16 °C	201.90 µS/cm	8.58 mg/L	2.13 NTU	24.1 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 12:07 PM	40:00	7.93 pH	18.30 °C	201.58 µS/cm	8.54 mg/L	2.47 NTU	24.2 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 12:11 PM	44:00	7.93 pH	18.28 °C	200.77 µS/cm	8.49 mg/L	2.20 NTU	24.4 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 12:15 PM	48:00	7.93 pH	18.26 °C	201.63 µS/cm	8.50 mg/L	2.36 NTU	24.4 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 12:19 PM	52:00	7.94 pH	18.25 °C	201.93 µS/cm	8.50 mg/L	2.73 NTU	24.5 mV	48.81 ft	0.10 PSU	120.00 ml/min

9/17/2020 12:23 PM	56:00	7.94 pH	18.46 °C	202.03 µS/cm	8.41 mg/L	3.20 NTU	24.6 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 12:27 PM	01:00:00	7.94 pH	18.60 °C	201.30 µS/cm	8.37 mg/L	3.19 NTU	24.9 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 12:31 PM	01:04:00	7.95 pH	18.54 °C	200.63 µS/cm	8.37 mg/L	3.37 NTU	25.1 mV	48.81 ft	0.10 PSU	120.00 ml/min
9/17/2020 12:35 PM	01:08:00	7.95 pH	18.48 °C	200.61 µS/cm	8.36 mg/L	2.89 NTU	24.8 mV	48.81 ft	0.10 PSU	130.00 ml/min
9/17/2020 12:39 PM	01:12:00	7.95 pH	18.60 °C	200.35 µS/cm	8.36 mg/L	2.91 NTU	25.1 mV	48.81 ft	0.10 PSU	130.00 ml/min
9/17/2020 12:43 PM	01:16:00	7.96 pH	18.47 °C	199.86 µS/cm	8.36 mg/L	3.04 NTU	25.3 mV	48.81 ft	0.10 PSU	130.00 ml/min
9/17/2020 12:47 PM	01:20:00	7.96 pH	18.38 °C	199.47 µS/cm	8.35 mg/L	2.73 NTU	25.3 mV	48.81 ft	0.10 PSU	130.00 ml/min
9/17/2020 12:51 PM	01:24:00	7.97 pH	18.30 °C	199.37 µS/cm	8.31 mg/L	2.32 NTU	25.2 mV	48.81 ft	0.09 PSU	130.00 ml/min
9/17/2020 12:55 PM	01:28:00	7.96 pH	18.42 °C	199.23 µS/cm	8.28 mg/L	2.20 NTU	25.2 mV	48.81 ft	0.09 PSU	130.00 ml/min
9/17/2020 12:59 PM	01:32:00	7.96 pH	18.42 °C	198.13 µS/cm	8.44 mg/L	2.27 NTU	25.4 mV	48.81 ft	0.09 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-8RR	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/17/2020 9:41:30 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-8Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.4 ft Total Depth: 76.4 ft Initial Depth to Water: 48.94 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.4 ft Estimated Total Volume Pumped: 8680 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.4 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

At 10:20, dropped pump rate to 110 mL/min to lower turbidity.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/17/2020 9:41 AM	00:00	7.10 pH	18.34 °C	112.91 µS/cm	7.56 mg/L	13.20 NTU	88.6 mV	48.94 ft	0.05 PSU	140.00 ml/min
9/17/2020 9:45 AM	04:00	6.71 pH	17.54 °C	94.17 µS/cm	7.91 mg/L	5.72 NTU	64.5 mV	49.35 ft	0.04 PSU	140.00 ml/min
9/17/2020 9:49 AM	08:00	6.57 pH	17.40 °C	92.47 µS/cm	7.65 mg/L	6.70 NTU	57.9 mV	49.40 ft	0.04 PSU	140.00 ml/min
9/17/2020 9:53 AM	12:00	6.51 pH	17.36 °C	90.67 µS/cm	7.49 mg/L	5.64 NTU	55.0 mV	49.42 ft	0.04 PSU	140.00 ml/min
9/17/2020 9:57 AM	16:00	6.49 pH	17.31 °C	90.94 µS/cm	7.34 mg/L	5.59 NTU	52.3 mV	49.42 ft	0.04 PSU	140.00 ml/min
9/17/2020 10:01 AM	20:00	6.49 pH	17.40 °C	91.25 µS/cm	7.23 mg/L	5.25 NTU	51.4 mV	49.42 ft	0.04 PSU	140.00 ml/min
9/17/2020 10:05 AM	24:00	6.49 pH	17.41 °C	92.85 µS/cm	7.11 mg/L	5.49 NTU	48.8 mV	49.43 ft	0.04 PSU	140.00 ml/min
9/17/2020 10:09 AM	28:00	6.52 pH	17.41 °C	98.14 µS/cm	7.05 mg/L	5.50 NTU	47.4 mV	49.43 ft	0.05 PSU	140.00 ml/min
9/17/2020 10:13 AM	32:00	6.57 pH	17.45 °C	106.31 µS/cm	6.97 mg/L	5.74 NTU	45.3 mV	49.43 ft	0.05 PSU	140.00 ml/min
9/17/2020 10:17 AM	36:00	6.64 pH	17.37 °C	115.86 µS/cm	7.00 mg/L	6.07 NTU	43.1 mV	49.43 ft	0.05 PSU	140.00 ml/min
9/17/2020 10:21 AM	40:00	6.70 pH	17.71 °C	124.79 µS/cm	6.91 mg/L	5.96 NTU	42.0 mV	49.35 ft	0.06 PSU	110.00 ml/min
9/17/2020 10:25 AM	44:00	6.79 pH	17.74 °C	135.60 µS/cm	6.92 mg/L	5.48 NTU	40.5 mV	49.34 ft	0.06 PSU	110.00 ml/min
9/17/2020 10:29 AM	48:00	6.84 pH	17.71 °C	138.48 µS/cm	6.98 mg/L	5.03 NTU	38.9 mV	49.34 ft	0.07 PSU	110.00 ml/min
9/17/2020 10:33 AM	52:00	6.89 pH	17.64 °C	143.50 µS/cm	7.04 mg/L	4.89 NTU	38.9 mV	49.34 ft	0.07 PSU	110.00 ml/min
9/17/2020 10:37 AM	56:00	6.94 pH	17.72 °C	147.60 µS/cm	7.14 mg/L	4.68 NTU	37.4 mV	49.34 ft	0.07 PSU	110.00 ml/min

9/17/2020 10:41 AM	01:00:00	6.98 pH	17.84 °C	150.55 µS/cm	7.13 mg/L	4.44 NTU	37.0 mV	49.34 ft	0.07 PSU	110.00 ml/min
9/17/2020 10:45 AM	01:04:00	7.02 pH	17.80 °C	153.05 µS/cm	7.10 mg/L	4.24 NTU	36.3 mV	49.34 ft	0.07 PSU	110.00 ml/min
9/17/2020 10:49 AM	01:08:00	7.05 pH	17.87 °C	155.02 µS/cm	7.17 mg/L	4.11 NTU	36.2 mV	49.34 ft	0.07 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-8Z	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/17/2020 2:23:24 PM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-9 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 67.2 ft Total Depth: 77.2 ft Initial Depth to Water: 42.4 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 72.2 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/17/2020 2:23 PM	00:00	6.16 pH	19.26 °C	133.48 µS/cm	6.66 mg/L	6.20 NTU	68.6 mV	42.40 ft	0.06 PSU	125.00 ml/min
9/17/2020 2:27 PM	04:00	6.33 pH	19.05 °C	154.82 µS/cm	6.78 mg/L	6.79 NTU	48.8 mV	42.40 ft	0.07 PSU	125.00 ml/min
9/17/2020 2:31 PM	08:00	6.38 pH	19.17 °C	162.33 µS/cm	6.77 mg/L	5.22 NTU	44.7 mV	42.40 ft	0.08 PSU	125.00 ml/min
9/17/2020 2:35 PM	12:00	6.39 pH	19.34 °C	163.88 µS/cm	6.79 mg/L	3.59 NTU	43.0 mV	42.40 ft	0.08 PSU	125.00 ml/min
9/17/2020 2:39 PM	16:00	6.39 pH	19.62 °C	164.31 µS/cm	6.83 mg/L	2.08 NTU	42.5 mV	42.40 ft	0.08 PSU	125.00 ml/min
9/17/2020 2:43 PM	20:00	6.38 pH	20.20 °C	163.61 µS/cm	6.78 mg/L	1.95 NTU	41.7 mV	42.40 ft	0.08 PSU	125.00 ml/min
9/17/2020 2:47 PM	24:00	6.39 pH	20.49 °C	163.33 µS/cm	6.73 mg/L	1.45 NTU	40.9 mV	42.40 ft	0.08 PSU	125.00 ml/min

Samples

Sample ID:	Description:
GWC-9	Metals, TDS, Inorganics
DUP-2	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/17/2020 9:44:05 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

<p>Location Name: GWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 61.8 ft Total Depth: 71.8 ft Initial Depth to Water: 36.67 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 66.8 ft Estimated Total Volume Pumped: 8400 ml Flow Cell Volume: 90 ml Final Flow Rate: 175 ml/min Final Draw Down: 0.01 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728648</p>
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/17/2020 9:44 AM	00:00	6.79 pH	17.70 °C	262.46 µS/cm	7.24 mg/L	0.39 NTU	93.5 mV	36.67 ft	0.13 PSU	175.00 ml/min
9/17/2020 9:48 AM	04:00	6.91 pH	17.52 °C	281.06 µS/cm	7.43 mg/L	0.36 NTU	67.2 mV	36.68 ft	0.13 PSU	175.00 ml/min
9/17/2020 9:52 AM	08:00	6.96 pH	17.47 °C	289.43 µS/cm	7.50 mg/L	0.34 NTU	54.5 mV	36.68 ft	0.14 PSU	175.00 ml/min
9/17/2020 9:56 AM	12:00	7.01 pH	17.45 °C	296.97 µS/cm	7.58 mg/L	0.55 NTU	47.9 mV	36.68 ft	0.14 PSU	175.00 ml/min
9/17/2020 10:00 AM	16:00	7.04 pH	17.46 °C	302.17 µS/cm	7.62 mg/L	0.78 NTU	43.6 mV	36.68 ft	0.15 PSU	175.00 ml/min
9/17/2020 10:04 AM	20:00	7.07 pH	17.48 °C	305.63 µS/cm	7.61 mg/L	0.94 NTU	41.4 mV	36.68 ft	0.15 PSU	175.00 ml/min
9/17/2020 10:08 AM	24:00	7.12 pH	17.47 °C	308.48 µS/cm	7.55 mg/L	1.07 NTU	39.0 mV	36.68 ft	0.15 PSU	175.00 ml/min
9/17/2020 10:12 AM	28:00	7.16 pH	17.44 °C	309.01 µS/cm	7.54 mg/L	1.54 NTU	38.1 mV	36.68 ft	0.15 PSU	175.00 ml/min
9/17/2020 10:16 AM	32:00	7.19 pH	17.35 °C	306.89 µS/cm	7.58 mg/L	1.58 NTU	36.8 mV	36.68 ft	0.15 PSU	175.00 ml/min
9/17/2020 10:20 AM	36:00	7.22 pH	17.52 °C	305.58 µS/cm	7.67 mg/L	1.90 NTU	36.1 mV	36.68 ft	0.15 PSU	175.00 ml/min
9/17/2020 10:24 AM	40:00	7.24 pH	17.49 °C	303.28 µS/cm	7.74 mg/L	1.57 NTU	35.6 mV	36.68 ft	0.15 PSU	175.00 ml/min
9/17/2020 10:28 AM	44:00	7.25 pH	17.48 °C	300.52 µS/cm	7.78 mg/L	1.42 NTU	35.7 mV	36.68 ft	0.14 PSU	175.00 ml/min
9/17/2020 10:32 AM	48:00	7.28 pH	17.43 °C	298.68 µS/cm	7.85 mg/L	1.28 NTU	34.3 mV	36.68 ft	0.14 PSU	175.00 ml/min

Samples

Sample ID:	Description:
GWC-10	Metals, TDS, Inorganics

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/17/2020 11:20:11 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-10R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 90.3 ft Total Depth: 100.2 ft Initial Depth to Water: 35.75 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 95.2 ft Estimated Total Volume Pumped: 15600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 2L

Ph is trending upward and stabilized at 7.70 ph. First stable reading was at 1210, minus ph which was slightly above desired range. Called Pete Robinson at 1310 and was given permission to sample.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/17/2020 11:20 AM	00:00	7.18 pH	18.15 °C	295.92 µS/cm	0.58 mg/L	0.42 NTU	-17.7 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 11:24 AM	04:00	7.31 pH	17.99 °C	308.31 µS/cm	0.85 mg/L	0.42 NTU	-10.5 mV	35.75 ft	0.15 PSU	150.00 ml/min
9/17/2020 11:28 AM	08:00	7.39 pH	17.83 °C	305.01 µS/cm	1.56 mg/L	0.36 NTU	-6.0 mV	35.75 ft	0.15 PSU	150.00 ml/min
9/17/2020 11:32 AM	12:00	7.43 pH	18.05 °C	304.90 µS/cm	2.19 mg/L	0.32 NTU	-6.0 mV	35.75 ft	0.15 PSU	150.00 ml/min
9/17/2020 11:36 AM	16:00	7.48 pH	18.01 °C	302.98 µS/cm	2.81 mg/L	0.43 NTU	-6.1 mV	35.75 ft	0.15 PSU	150.00 ml/min
9/17/2020 11:40 AM	20:00	7.52 pH	17.97 °C	300.75 µS/cm	3.42 mg/L	0.46 NTU	-4.5 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 11:44 AM	24:00	7.55 pH	17.83 °C	298.00 µS/cm	3.93 mg/L	0.29 NTU	-2.7 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 11:48 AM	28:00	7.58 pH	17.87 °C	296.75 µS/cm	4.40 mg/L	0.40 NTU	-1.4 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 11:52 AM	32:00	7.60 pH	17.86 °C	295.12 µS/cm	4.88 mg/L	0.35 NTU	0.2 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 11:56 AM	36:00	7.62 pH	17.92 °C	293.22 µS/cm	5.23 mg/L	0.40 NTU	1.2 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:00 PM	40:00	7.64 pH	17.97 °C	291.81 µS/cm	5.51 mg/L	0.71 NTU	2.7 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:04 PM	44:00	7.65 pH	18.00 °C	291.24 µS/cm	5.87 mg/L	0.65 NTU	3.8 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:08 PM	48:00	7.66 pH	18.24 °C	290.29 µS/cm	6.07 mg/L	0.38 NTU	5.2 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:12 PM	52:00	7.67 pH	18.07 °C	288.97 µS/cm	6.27 mg/L	0.17 NTU	6.6 mV	35.75 ft	0.14 PSU	150.00 ml/min

9/17/2020 12:16 PM	56:00	7.68 pH	18.15 °C	288.60 µS/cm	6.47 mg/L	0.28 NTU	7.1 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:20 PM	01:00:00	7.68 pH	18.15 °C	288.26 µS/cm	6.58 mg/L	0.16 NTU	8.0 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:24 PM	01:04:00	7.69 pH	18.24 °C	288.49 µS/cm	6.71 mg/L	0.24 NTU	8.7 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:28 PM	01:08:00	7.69 pH	18.19 °C	287.48 µS/cm	6.85 mg/L	0.22 NTU	9.6 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:32 PM	01:12:00	7.69 pH	18.23 °C	286.77 µS/cm	6.90 mg/L	0.16 NTU	10.3 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:36 PM	01:16:00	7.69 pH	18.24 °C	287.14 µS/cm	7.02 mg/L	0.30 NTU	10.9 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:40 PM	01:20:00	7.70 pH	18.19 °C	286.54 µS/cm	7.10 mg/L	0.22 NTU	11.4 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:44 PM	01:24:00	7.70 pH	18.15 °C	286.45 µS/cm	7.12 mg/L	0.15 NTU	12.0 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:48 PM	01:28:00	7.70 pH	17.97 °C	286.03 µS/cm	7.20 mg/L	0.16 NTU	12.7 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:52 PM	01:32:00	7.70 pH	18.09 °C	285.99 µS/cm	7.31 mg/L	0.27 NTU	13.3 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 12:56 PM	01:36:00	7.70 pH	18.01 °C	286.14 µS/cm	7.32 mg/L	0.23 NTU	13.4 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 1:00 PM	01:40:00	7.70 pH	17.88 °C	285.08 µS/cm	7.36 mg/L	0.23 NTU	14.0 mV	35.75 ft	0.14 PSU	150.00 ml/min
9/17/2020 1:04 PM	01:44:00	7.70 pH	17.97 °C	285.21 µS/cm	7.45 mg/L	0.23 NTU	14.3 mV	35.75 ft	0.14 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-10R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/21/2020 11:50:51 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-11 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.4 ft Total Depth: 47.4 ft Initial Depth to Water: 25.55 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 42.4 ft Estimated Total Volume Pumped: 9340 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 2L

Well took a little while to stabilize. Waiting on conductivity to stabilize.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/21/2020 11:50 AM	00:00	6.26 pH	19.08 °C	79.57 µS/cm	3.92 mg/L	3.94 NTU	51.4 mV	25.55 ft	0.04 PSU	135.00 ml/min
9/21/2020 11:54 AM	04:00	6.25 pH	19.09 °C	85.00 µS/cm	3.80 mg/L	4.75 NTU	40.6 mV	25.55 ft	0.04 PSU	135.00 ml/min
9/21/2020 11:58 AM	08:00	6.26 pH	19.11 °C	88.52 µS/cm	3.77 mg/L	2.67 NTU	37.8 mV	25.55 ft	0.04 PSU	135.00 ml/min
9/21/2020 12:02 PM	12:00	6.27 pH	19.08 °C	91.06 µS/cm	3.77 mg/L	2.08 NTU	36.3 mV	25.55 ft	0.04 PSU	135.00 ml/min
9/21/2020 12:06 PM	16:00	6.29 pH	19.12 °C	93.77 µS/cm	3.73 mg/L	1.97 NTU	35.2 mV	25.55 ft	0.04 PSU	135.00 ml/min
9/21/2020 12:10 PM	20:00	6.30 pH	19.13 °C	96.53 µS/cm	3.62 mg/L	2.42 NTU	34.2 mV	25.55 ft	0.05 PSU	135.00 ml/min
9/21/2020 12:14 PM	24:00	6.32 pH	19.11 °C	99.39 µS/cm	3.51 mg/L	1.91 NTU	33.3 mV	25.55 ft	0.05 PSU	135.00 ml/min
9/21/2020 12:18 PM	28:00	6.34 pH	19.14 °C	102.81 µS/cm	3.41 mg/L	2.22 NTU	31.9 mV	25.55 ft	0.05 PSU	135.00 ml/min
9/21/2020 12:22 PM	32:00	6.37 pH	19.25 °C	108.04 µS/cm	3.39 mg/L	1.59 NTU	30.6 mV	25.55 ft	0.05 PSU	135.00 ml/min
9/21/2020 12:26 PM	36:00	6.43 pH	19.26 °C	116.06 µS/cm	3.48 mg/L	1.72 NTU	29.3 mV	25.55 ft	0.05 PSU	135.00 ml/min
9/21/2020 12:30 PM	40:00	6.49 pH	19.21 °C	124.46 µS/cm	3.68 mg/L	1.32 NTU	26.9 mV	25.56 ft	0.06 PSU	135.00 ml/min
9/21/2020 12:34 PM	44:00	6.56 pH	19.29 °C	132.08 µS/cm	3.91 mg/L	1.18 NTU	25.5 mV	25.56 ft	0.06 PSU	135.00 ml/min
9/21/2020 12:38 PM	48:00	6.63 pH	19.39 °C	140.13 µS/cm	4.16 mg/L	1.66 NTU	24.8 mV	25.56 ft	0.07 PSU	135.00 ml/min
9/21/2020 12:42 PM	52:00	6.69 pH	19.43 °C	146.00 µS/cm	4.33 mg/L	1.26 NTU	23.7 mV	25.56 ft	0.07 PSU	135.00 ml/min
9/21/2020 12:46 PM	56:00	6.74 pH	19.43 °C	153.02 µS/cm	4.51 mg/L	1.28 NTU	22.5 mV	25.56 ft	0.07 PSU	135.00 ml/min

9/21/2020 12:50 PM	01:00:00	6.80 pH	19.52 °C	158.63 µS/cm	4.69 mg/L	1.25 NTU	22.1 mV	25.56 ft	0.08 PSU	135.00 ml/min
9/21/2020 12:54 PM	01:04:00	6.84 pH	19.48 °C	163.95 µS/cm	4.80 mg/L	0.91 NTU	22.0 mV	25.56 ft	0.08 PSU	135.00 ml/min
9/21/2020 12:58 PM	01:08:00	6.89 pH	19.53 °C	168.37 µS/cm	4.91 mg/L	0.97 NTU	21.9 mV	25.56 ft	0.08 PSU	135.00 ml/min
9/21/2020 1:02 PM	01:12:00	6.93 pH	19.62 °C	173.10 µS/cm	5.01 mg/L	0.69 NTU	21.5 mV	25.57 ft	0.08 PSU	135.00 ml/min
9/21/2020 1:06 PM	01:16:00	6.97 pH	19.50 °C	175.70 µS/cm	5.07 mg/L	0.71 NTU	20.9 mV	25.57 ft	0.08 PSU	135.00 ml/min
9/21/2020 1:10 PM	01:20:00	6.99 pH	19.48 °C	178.74 µS/cm	5.15 mg/L	0.77 NTU	20.5 mV	25.57 ft	0.08 PSU	135.00 ml/min
9/21/2020 1:14 PM	01:24:00	7.02 pH	19.41 °C	182.02 µS/cm	5.23 mg/L	0.70 NTU	20.5 mV	25.57 ft	0.09 PSU	135.00 ml/min

Samples

Sample ID:	Description:
GWC-11	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/21/2020 10:00:54 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-11R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 73.3 ft Total Depth: 83.2 ft Initial Depth to Water: 25.45 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 78.2 ft Estimated Total Volume Pumped: 6240 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 2L

First stable reading at 1010. Waiting to see if pH will decrease to fall into desired range. At 1048 called Pete Robinson about pH being stable but outside of range. Given permission to sample well.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/21/2020 10:00 AM	00:00	7.69 pH	18.44 °C	271.34 µS/cm	5.53 mg/L	2.02 NTU	23.3 mV	25.45 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:04 AM	04:00	7.76 pH	18.50 °C	269.88 µS/cm	5.72 mg/L	1.46 NTU	18.8 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:08 AM	08:00	7.76 pH	18.54 °C	273.80 µS/cm	5.73 mg/L	0.82 NTU	18.9 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:12 AM	12:00	7.78 pH	18.66 °C	274.96 µS/cm	5.83 mg/L	0.73 NTU	19.5 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:16 AM	16:00	7.79 pH	18.50 °C	274.35 µS/cm	5.89 mg/L	0.57 NTU	18.9 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:20 AM	20:00	7.80 pH	18.55 °C	274.00 µS/cm	5.95 mg/L	0.62 NTU	18.7 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:24 AM	24:00	7.82 pH	18.41 °C	273.32 µS/cm	5.99 mg/L	0.61 NTU	18.7 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:28 AM	28:00	7.82 pH	18.27 °C	273.92 µS/cm	6.04 mg/L	0.49 NTU	18.4 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:32 AM	32:00	7.83 pH	18.38 °C	273.91 µS/cm	6.10 mg/L	0.48 NTU	18.2 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:36 AM	36:00	7.83 pH	18.37 °C	273.55 µS/cm	6.10 mg/L	0.36 NTU	18.1 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:40 AM	40:00	7.84 pH	18.37 °C	273.00 µS/cm	6.09 mg/L	0.38 NTU	18.3 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:44 AM	44:00	7.84 pH	18.41 °C	272.08 µS/cm	6.09 mg/L	0.45 NTU	18.2 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:48 AM	48:00	7.84 pH	18.39 °C	271.56 µS/cm	6.10 mg/L	0.35 NTU	18.2 mV	25.47 ft	0.13 PSU	120.00 ml/min
9/21/2020 10:52 AM	52:00	7.84 pH	18.46 °C	272.04 µS/cm	6.12 mg/L	0.37 NTU	18.2 mV	25.47 ft	0.13 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-11R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/21/2020 12:36:13 PM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

Location Name: GWC-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.03 ft Total Depth: 54.03 ft Initial Depth to Water: 24.7 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 49.03 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.55 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Pre-purged 4.5 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/21/2020 12:36 PM	00:00	6.22 pH	21.07 °C	119.06 µS/cm	0.31 mg/L	2.01 NTU	11.9 mV	25.18 ft	0.06 PSU	140.00 ml/min
9/21/2020 12:40 PM	04:00	6.24 pH	20.68 °C	120.83 µS/cm	0.20 mg/L	2.02 NTU	9.1 mV	25.18 ft	0.06 PSU	140.00 ml/min
9/21/2020 12:44 PM	08:00	6.26 pH	20.01 °C	120.93 µS/cm	0.26 mg/L	1.99 NTU	7.2 mV	25.22 ft	0.06 PSU	140.00 ml/min
9/21/2020 12:48 PM	12:00	6.27 pH	19.80 °C	121.39 µS/cm	0.26 mg/L	2.37 NTU	5.4 mV	25.25 ft	0.06 PSU	140.00 ml/min
9/21/2020 12:52 PM	16:00	6.28 pH	19.86 °C	121.44 µS/cm	0.19 mg/L	2.17 NTU	4.0 mV	25.25 ft	0.06 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-12	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/21/2020 1:02:46 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.8 ft Total Depth: 84.8 ft Initial Depth to Water: 34.11 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.8 ft Estimated Total Volume Pumped: 20640 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.07 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Persistent turbidity above 10 NTU. Pulled off to resample tomorrow (9/22)

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/21/2020 1:02 PM	00:00	7.12 pH	21.46 °C	246.74 µS/cm	1.49 mg/L	7.66 NTU	-42.0 mV	34.11 ft	0.12 PSU	160.00 ml/min
9/21/2020 1:06 PM	04:00	7.29 pH	19.94 °C	278.63 µS/cm	3.81 mg/L	10.29 NTU	-4.9 mV	34.18 ft	0.13 PSU	160.00 ml/min
9/21/2020 1:10 PM	08:00	7.32 pH	19.65 °C	292.63 µS/cm	4.08 mg/L	11.30 NTU	4.8 mV	34.18 ft	0.14 PSU	160.00 ml/min
9/21/2020 1:14 PM	12:00	7.32 pH	19.59 °C	299.28 µS/cm	4.16 mg/L	14.00 NTU	7.0 mV	34.18 ft	0.14 PSU	160.00 ml/min
9/21/2020 1:18 PM	16:00	7.31 pH	19.50 °C	303.71 µS/cm	4.21 mg/L	14.30 NTU	8.6 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:22 PM	20:00	7.31 pH	19.45 °C	307.27 µS/cm	4.24 mg/L	17.50 NTU	10.0 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:26 PM	24:00	7.31 pH	19.41 °C	308.60 µS/cm	4.27 mg/L	16.90 NTU	10.8 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:30 PM	28:00	7.31 pH	19.43 °C	309.51 µS/cm	4.30 mg/L	16.10 NTU	11.5 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:34 PM	32:00	7.31 pH	19.45 °C	311.28 µS/cm	4.32 mg/L	17.70 NTU	12.4 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:38 PM	36:00	7.31 pH	19.45 °C	311.58 µS/cm	4.33 mg/L	19.20 NTU	13.2 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:42 PM	40:00	7.31 pH	19.49 °C	311.00 µS/cm	4.33 mg/L	18.40 NTU	13.9 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:46 PM	44:00	7.31 pH	19.50 °C	310.57 µS/cm	4.33 mg/L	19.30 NTU	14.8 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:50 PM	48:00	7.31 pH	19.50 °C	311.31 µS/cm	4.33 mg/L	20.20 NTU	15.4 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:54 PM	52:00	7.31 pH	19.50 °C	312.18 µS/cm	4.36 mg/L	20.10 NTU	15.9 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 1:58 PM	56:00	7.31 pH	19.50 °C	312.01 µS/cm	4.35 mg/L	19.00 NTU	16.1 mV	34.18 ft	0.15 PSU	160.00 ml/min

9/21/2020 2:02 PM	01:00:00	7.31 pH	19.51 °C	311.95 µS/cm	4.36 mg/L	19.30 NTU	16.8 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:06 PM	01:04:00	7.31 pH	19.58 °C	312.53 µS/cm	4.34 mg/L	18.80 NTU	17.3 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:10 PM	01:08:00	7.31 pH	19.49 °C	312.62 µS/cm	4.35 mg/L	17.80 NTU	17.4 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:14 PM	01:12:00	7.31 pH	19.50 °C	313.12 µS/cm	4.36 mg/L	17.60 NTU	17.9 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:18 PM	01:16:00	7.31 pH	19.46 °C	314.59 µS/cm	4.36 mg/L	19.80 NTU	18.0 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:22 PM	01:20:00	7.31 pH	19.52 °C	315.77 µS/cm	4.36 mg/L	20.10 NTU	18.4 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:26 PM	01:24:00	7.31 pH	19.45 °C	315.64 µS/cm	4.37 mg/L	18.70 NTU	18.6 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:30 PM	01:28:00	7.31 pH	19.54 °C	316.83 µS/cm	4.36 mg/L	19.70 NTU	18.9 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:34 PM	01:32:00	7.31 pH	19.59 °C	316.27 µS/cm	4.36 mg/L	20.10 NTU	18.9 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:38 PM	01:36:00	7.31 pH	19.63 °C	316.85 µS/cm	4.36 mg/L	20.20 NTU	19.1 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:42 PM	01:40:00	7.31 pH	19.53 °C	316.65 µS/cm	4.36 mg/L	19.10 NTU	19.4 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:46 PM	01:44:00	7.31 pH	19.61 °C	317.27 µS/cm	4.34 mg/L	19.00 NTU	19.5 mV	34.18 ft	0.15 PSU	160.00 ml/min
9/21/2020 2:50 PM	01:48:00	7.30 pH	20.30 °C	317.48 µS/cm	4.34 mg/L	18.90 NTU	19.5 mV	34.18 ft	0.15 PSU	120.00 ml/min
9/21/2020 2:54 PM	01:52:00	7.30 pH	20.48 °C	317.46 µS/cm	4.33 mg/L	18.10 NTU	19.5 mV	34.18 ft	0.15 PSU	120.00 ml/min
9/21/2020 2:58 PM	01:56:00	7.30 pH	20.56 °C	314.25 µS/cm	4.34 mg/L	16.40 NTU	19.4 mV	34.18 ft	0.15 PSU	120.00 ml/min
9/21/2020 3:02 PM	02:00:00	7.30 pH	20.67 °C	313.12 µS/cm	4.35 mg/L	15.30 NTU	19.5 mV	34.18 ft	0.15 PSU	120.00 ml/min
9/21/2020 3:06 PM	02:04:00	7.31 pH	20.67 °C	312.21 µS/cm	4.32 mg/L	13.70 NTU	19.4 mV	34.18 ft	0.15 PSU	120.00 ml/min
9/21/2020 3:10 PM	02:08:00	7.31 pH	20.69 °C	311.55 µS/cm	4.33 mg/L	13.20 NTU	19.5 mV	34.18 ft	0.15 PSU	120.00 ml/min
9/21/2020 3:14 PM	02:12:00	7.31 pH	20.57 °C	311.91 µS/cm	4.33 mg/L	13.70 NTU	19.7 mV	34.18 ft	0.15 PSU	120.00 ml/min
9/21/2020 3:18 PM	02:16:00	7.31 pH	20.59 °C	312.51 µS/cm	4.34 mg/L	13.20 NTU	19.9 mV	34.18 ft	0.15 PSU	120.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/22/2020 9:44:15 AM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

Location Name: GWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.8 ft Total Depth: 84.8 ft Initial Depth to Water: 34.06 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.8 ft Estimated Total Volume Pumped: 2640 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/22/2020 9:44 AM	00:00	7.43 pH	16.66 °C	294.37 µS/cm	4.68 mg/L	2.33 NTU	87.6 mV	34.09 ft	0.14 PSU	110.00 ml/min
9/22/2020 9:48 AM	04:00	7.38 pH	16.78 °C	295.70 µS/cm	4.55 mg/L	2.42 NTU	53.1 mV	34.09 ft	0.14 PSU	110.00 ml/min
9/22/2020 9:52 AM	08:00	7.36 pH	16.86 °C	298.14 µS/cm	4.52 mg/L	2.82 NTU	39.5 mV	34.09 ft	0.14 PSU	110.00 ml/min
9/22/2020 9:56 AM	12:00	7.35 pH	16.92 °C	299.84 µS/cm	4.50 mg/L	2.31 NTU	35.3 mV	34.09 ft	0.14 PSU	110.00 ml/min
9/22/2020 10:00 AM	16:00	7.35 pH	16.96 °C	302.08 µS/cm	4.50 mg/L	2.71 NTU	32.6 mV	34.09 ft	0.15 PSU	110.00 ml/min
9/22/2020 10:04 AM	20:00	7.35 pH	17.05 °C	304.06 µS/cm	4.49 mg/L	2.89 NTU	30.4 mV	34.10 ft	0.15 PSU	110.00 ml/min
9/22/2020 10:08 AM	24:00	7.34 pH	17.08 °C	305.18 µS/cm	4.49 mg/L	3.10 NTU	28.9 mV	34.10 ft	0.15 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-13	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/21/2020 9:39:13 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-13RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.53 ft Total Depth: 104.53 ft Initial Depth to Water: 54.76 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 99.53 ft Estimated Total Volume Pumped: 26440 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 34.54 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 1 L

Drawdown would not stabilize. Well evacuated to ~5 feet above screen (89.80) due to historically slow recharge.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/21/2020 9:39 AM	00:00	7.28 pH	17.92 °C	502.57 µS/cm	5.03 mg/L	1.57 NTU	-24.2 mV	54.76 ft	0.24 PSU	110.00 ml/min
9/21/2020 9:43 AM	04:00	7.21 pH	17.28 °C	476.67 µS/cm	1.47 mg/L	1.12 NTU	-26.2 mV	56.10 ft	0.23 PSU	110.00 ml/min
9/21/2020 9:47 AM	08:00	7.32 pH	17.13 °C	478.82 µS/cm	0.54 mg/L	1.20 NTU	-42.3 mV	56.69 ft	0.23 PSU	110.00 ml/min
9/21/2020 9:51 AM	12:00	7.39 pH	17.05 °C	478.48 µS/cm	0.32 mg/L	1.81 NTU	-45.1 mV	57.25 ft	0.23 PSU	110.00 ml/min
9/21/2020 9:55 AM	16:00	7.44 pH	17.04 °C	476.50 µS/cm	0.27 mg/L	1.54 NTU	-40.7 mV	57.80 ft	0.23 PSU	110.00 ml/min
9/21/2020 9:59 AM	20:00	7.47 pH	17.03 °C	473.05 µS/cm	0.38 mg/L	1.95 NTU	-31.5 mV	58.35 ft	0.23 PSU	110.00 ml/min
9/21/2020 10:03 AM	24:00	7.50 pH	17.09 °C	468.60 µS/cm	0.56 mg/L	2.73 NTU	-21.6 mV	59.15 ft	0.23 PSU	170.00 ml/min
9/21/2020 10:07 AM	28:00	7.51 pH	16.91 °C	466.57 µS/cm	1.03 mg/L	8.55 NTU	-10.3 mV	59.97 ft	0.23 PSU	170.00 ml/min
9/21/2020 10:11 AM	32:00	7.51 pH	16.87 °C	459.03 µS/cm	0.91 mg/L	1.64 NTU	-5.3 mV	60.97 ft	0.22 PSU	170.00 ml/min
9/21/2020 10:15 AM	36:00	7.51 pH	16.91 °C	453.69 µS/cm	0.90 mg/L	1.29 NTU	-2.4 mV	61.90 ft	0.22 PSU	170.00 ml/min
9/21/2020 10:19 AM	40:00	7.52 pH	16.88 °C	449.78 µS/cm	0.85 mg/L	1.25 NTU	-0.7 mV	62.85 ft	0.22 PSU	170.00 ml/min
9/21/2020 10:23 AM	44:00	7.53 pH	16.88 °C	446.59 µS/cm	0.90 mg/L	1.31 NTU	0.5 mV	63.80 ft	0.22 PSU	170.00 ml/min
9/21/2020 10:27 AM	48:00	7.54 pH	16.91 °C	444.12 µS/cm	0.94 mg/L	1.43 NTU	1.8 mV	64.83 ft	0.22 PSU	170.00 ml/min
9/21/2020 10:31 AM	52:00	7.53 pH	16.95 °C	443.20 µS/cm	0.96 mg/L	1.66 NTU	3.1 mV	65.78 ft	0.21 PSU	170.00 ml/min
9/21/2020 10:35 AM	56:00	7.53 pH	17.00 °C	440.52 µS/cm	0.98 mg/L	1.79 NTU	3.7 mV	66.73 ft	0.21 PSU	170.00 ml/min

9/21/2020 10:39 AM	01:00:00	7.52 pH	17.13 °C	437.47 µS/cm	0.95 mg/L	2.33 NTU	4.5 mV	67.68 ft	0.21 PSU	170.00 ml/min
9/21/2020 10:43 AM	01:04:00	7.49 pH	17.31 °C	435.97 µS/cm	0.90 mg/L	2.50 NTU	1.8 mV	68.68 ft	0.21 PSU	170.00 ml/min
9/21/2020 10:47 AM	01:08:00	7.46 pH	17.72 °C	432.46 µS/cm	0.85 mg/L	2.61 NTU	3.7 mV	69.58 ft	0.21 PSU	170.00 ml/min
9/21/2020 10:51 AM	01:12:00	7.44 pH	18.07 °C	429.56 µS/cm	0.81 mg/L	2.47 NTU	4.7 mV	70.39 ft	0.21 PSU	170.00 ml/min
9/21/2020 10:55 AM	01:16:00	7.42 pH	18.38 °C	427.73 µS/cm	0.77 mg/L	2.40 NTU	5.3 mV	71.27 ft	0.21 PSU	170.00 ml/min
9/21/2020 10:59 AM	01:20:00	7.41 pH	18.51 °C	425.79 µS/cm	0.75 mg/L	2.29 NTU	5.7 mV	72.18 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:03 AM	01:24:00	7.40 pH	18.61 °C	424.73 µS/cm	0.75 mg/L	2.44 NTU	6.2 mV	73.10 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:07 AM	01:28:00	7.39 pH	18.65 °C	423.60 µS/cm	0.76 mg/L	2.56 NTU	6.8 mV	74.00 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:11 AM	01:32:00	7.39 pH	18.65 °C	423.15 µS/cm	0.76 mg/L	2.40 NTU	6.8 mV	74.95 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:15 AM	01:36:00	7.38 pH	18.74 °C	422.72 µS/cm	0.78 mg/L	2.37 NTU	6.6 mV	75.85 ft	0.20 PSU	170.00 ml/min
9/21/2020 11:19 AM	01:40:00	7.37 pH	18.84 °C	422.21 µS/cm	0.78 mg/L	2.43 NTU	6.2 mV	76.75 ft	0.20 PSU	170.00 ml/min
9/21/2020 11:23 AM	01:44:00	7.37 pH	18.86 °C	422.65 µS/cm	0.78 mg/L	2.38 NTU	5.6 mV	77.63 ft	0.20 PSU	170.00 ml/min
9/21/2020 11:27 AM	01:48:00	7.36 pH	19.04 °C	423.23 µS/cm	0.79 mg/L	2.23 NTU	5.1 mV	78.50 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:31 AM	01:52:00	7.36 pH	18.98 °C	423.37 µS/cm	0.81 mg/L	2.18 NTU	4.6 mV	79.35 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:35 AM	01:56:00	7.36 pH	18.75 °C	427.05 µS/cm	0.84 mg/L	2.04 NTU	4.5 mV	80.15 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:39 AM	02:00:00	7.37 pH	18.64 °C	428.26 µS/cm	0.86 mg/L	1.90 NTU	4.0 mV	80.98 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:43 AM	02:04:00	7.36 pH	18.60 °C	427.92 µS/cm	0.88 mg/L	1.91 NTU	3.9 mV	81.78 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:47 AM	02:08:00	7.37 pH	18.82 °C	426.69 µS/cm	0.90 mg/L	1.74 NTU	3.4 mV	82.63 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:51 AM	02:12:00	7.37 pH	19.05 °C	424.96 µS/cm	0.88 mg/L	1.65 NTU	3.0 mV	83.40 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:55 AM	02:16:00	7.36 pH	19.17 °C	424.76 µS/cm	0.89 mg/L	1.58 NTU	3.0 mV	84.11 ft	0.21 PSU	170.00 ml/min
9/21/2020 11:59 AM	02:20:00	7.37 pH	19.20 °C	423.54 µS/cm	0.91 mg/L	1.49 NTU	2.9 mV	84.92 ft	0.21 PSU	170.00 ml/min
9/21/2020 12:03 PM	02:24:00	7.37 pH	19.23 °C	426.24 µS/cm	0.93 mg/L	1.47 NTU	3.3 mV	85.67 ft	0.21 PSU	170.00 ml/min
9/21/2020 12:07 PM	02:28:00	7.37 pH	19.30 °C	426.59 µS/cm	0.94 mg/L	1.40 NTU	3.7 mV	86.40 ft	0.21 PSU	170.00 ml/min
9/21/2020 12:11 PM	02:32:00	7.37 pH	19.32 °C	427.05 µS/cm	0.94 mg/L	1.38 NTU	4.1 mV	87.15 ft	0.21 PSU	170.00 ml/min
9/21/2020 12:15 PM	02:36:00	7.37 pH	19.32 °C	427.41 µS/cm	0.97 mg/L	1.27 NTU	5.3 mV	87.88 ft	0.21 PSU	170.00 ml/min
9/21/2020 12:19 PM	02:40:00	7.37 pH	19.41 °C	426.54 µS/cm	0.99 mg/L	1.40 NTU	6.3 mV	88.60 ft	0.21 PSU	170.00 ml/min
9/21/2020 12:23 PM	02:44:00	7.37 pH	19.45 °C	427.00 µS/cm	1.00 mg/L	1.19 NTU	7.5 mV	89.30 ft	0.21 PSU	170.00 ml/min

Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Location Properties

Location Name = Device Location
Well: GWC-13RZ

Report Properties

Start Time = 2020-09-22 09:34:05
Time Offset = -04:00:00
Duration = 00:00:30
Readings = 16

Instrument Properties

Device Model = Aqua TROLL 400
Device SN = 728638

Instrument Properties

Device Model = In-Situ Bluetooth Device
Device SN = 724809

Date Time	RDO Concentration (mg/L)	RDO Saturation (%Sat)	Oxygen Partial Pressure (Torr)	Actual Conductivity (µS/cm)	Temperature (°C)	Specific Conductivity (µS/cm)	Salinity (PSU)	Total Dissolved Solids (ppt)	Resistivity (Ω-cm)	Density (g/cm³)	Pressure (psi)	Depth (ft)	pH (pH)	pH mV (mV)	ORP (mV)	Barometric Pressure (mbar)	Temperature (°C)	Marked
	(728789)	(728789)	(728789)	(728638)	(728638)	(728638)	(728638)	(728638)	(728638)	(728638)	(726660)	(726660)	(20790)	(20790)	(20790)	(724809)	(724809)	
9/22/2020 9:34	8.84521	87.25845	126.7036	331.3569	14.2571	415.7253	0.201682	0.270222	524356.7	0.999367	-0.01787	0.595265	6.760814	15.58629	66.19051	1003.109	14.99835	
9/22/2020 9:34	8.774683	86.6265	125.7814	346.154	14.28371	434.2897	0.210697	0.282288	406946	0.99937	-0.01741	0.596314	6.764293	15.40204	65.77803	1003.105	14.99872	
9/22/2020 9:34	8.704156	85.99457	124.8592	360.9511	14.31031	452.8541	0.219712	0.294355	289535.3	0.999373	-0.01696	0.597363	6.767772	15.2178	65.36555	1003.101	14.9991	
9/22/2020 9:34	8.633629	85.36263	123.937	375.7483	14.33691	471.4185	0.228727	0.306422	172124.5	0.999377	-0.0165	0.598412	6.77125	15.03356	64.95308	1003.097	14.99947	
9/22/2020 9:34	7.397519	73.39513	106.5507	381.544	14.46183	477.3534	0.231604	0.31028	117128.1	0.999361	-0.02769	0.572608	6.834708	11.65303	58.69526	1003.171	14.99964	
9/22/2020 9:34	7.307451	72.54359	105.3119	387.8442	14.47838	485.197	0.235413	0.315378	66105.17	0.999361	-0.028	0.571892	6.839065	11.42104	58.23932	1003.173	14.9998	
9/22/2020 9:34	7.217382	71.69205	104.073	394.1444	14.49494	493.0407	0.239222	0.320476	15082.25	0.999362	-0.02831	0.571176	6.843422	11.18904	57.78339	1003.174	14.99996	
9/22/2020 9:34	7.127314	70.8405	102.8341	400.4446	14.5115	500.8843	0.243031	0.325575	0	0.999363	-0.02862	0.57046	6.847779	10.95705	57.32747	1003.176	15.00012	
9/22/2020 9:34	6.47229	64.37353	93.44099	395.3069	14.59488	493.3562	0.239378	0.320682	2529.681	0.999348	-0.03719	0.5507	6.888077	8.811577	51.49061	1003.151	15	
9/22/2020 9:34	6.41886	63.85094	92.68185	395.2733	14.60117	493.2399	0.239322	0.320606	2529.896	0.999347	-0.03779	0.549325	6.89112	8.649525	51.1069	1003.151	15	
9/22/2020 9:34	6.365431	63.32836	91.92272	395.2397	14.60745	493.1236	0.239265	0.32053	2530.11	0.999346	-0.03838	0.54795	6.894163	8.487472	50.72318	1003.152	15	
9/22/2020 9:34	6.312002	62.80578	91.16358	395.2061	14.61374	493.0073	0.239209	0.320455	2530.325	0.999345	-0.03898	0.546575	6.897206	8.325418	50.33946	1003.152	15	
9/22/2020 9:34	5.880723	58.56067	84.99816	394.8235	14.65333	492.0667	0.238749	0.319843	2532.778	0.999339	-0.0405	0.543059	6.945684	6.207684	47.05824	1003.15	15	
9/22/2020 9:34	5.847626	58.23511	84.52528	394.7991	14.65694	491.9938	0.238714	0.319796	2532.934	0.999338	-0.04074	0.542499	6.948633	6.070433	46.79433	1003.15	15	
9/22/2020 9:34	5.814529	57.90954	84.05239	394.7748	14.66056	491.9209	0.238678	0.319749	2533.09	0.999337	-0.04099	0.541939	6.951582	5.933182	46.53041	1003.149	15	
9/22/2020 9:34	5.451442	54.38673	78.93303	394.6766	14.70033	491.3338	0.238395	0.319367	2533.72	0.999331	-0.01871	0.593328	6.982703	4.128265	43.78194	1003.158	15.00853	

Low-Flow Test Report:

Test Date / Time: 9/21/2020 9:38:27 AM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWC-14Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.34 ft Total Depth: 76.34 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.34 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 2.85 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Prepurged 2.5 liters

DUP -3

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/21/2020 9:38 AM	00:00	5.51 pH	17.79 °C	97.81 µS/cm	3.89 mg/L	0.32 NTU	76.1 mV	33.58 ft	0.05 PSU	150.00 ml/min
9/21/2020 9:42 AM	04:00	5.53 pH	18.42 °C	98.67 µS/cm	3.91 mg/L	0.34 NTU	70.3 mV	36.28 ft	0.05 PSU	150.00 ml/min
9/21/2020 9:46 AM	08:00	5.58 pH	18.75 °C	99.37 µS/cm	3.87 mg/L	0.23 NTU	68.2 mV	36.28 ft	0.05 PSU	150.00 ml/min
9/21/2020 9:50 AM	12:00	5.71 pH	18.86 °C	103.60 µS/cm	3.92 mg/L	0.25 NTU	66.5 mV	36.29 ft	0.05 PSU	150.00 ml/min
9/21/2020 9:54 AM	16:00	5.85 pH	18.87 °C	109.90 µS/cm	3.98 mg/L	0.16 NTU	65.1 mV	36.31 ft	0.05 PSU	150.00 ml/min
9/21/2020 9:58 AM	20:00	5.94 pH	18.86 °C	114.14 µS/cm	4.03 mg/L	0.15 NTU	64.7 mV	36.34 ft	0.05 PSU	150.00 ml/min
9/21/2020 10:02 AM	24:00	5.97 pH	18.78 °C	117.24 µS/cm	4.11 mg/L	0.26 NTU	64.9 mV	36.36 ft	0.06 PSU	150.00 ml/min
9/21/2020 10:06 AM	28:00	6.02 pH	18.88 °C	118.94 µS/cm	4.13 mg/L	0.14 NTU	64.7 mV	36.39 ft	0.06 PSU	150.00 ml/min
9/21/2020 10:10 AM	32:00	6.02 pH	18.89 °C	120.33 µS/cm	4.14 mg/L	0.07 NTU	65.8 mV	36.41 ft	0.06 PSU	150.00 ml/min
9/21/2020 10:14 AM	36:00	6.06 pH	18.95 °C	121.74 µS/cm	4.15 mg/L	0.23 NTU	64.5 mV	36.43 ft	0.06 PSU	150.00 ml/min

Samples

Sample ID:	Description:
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GWC-14Z	Metals, TDS, Inorganic
DUP-3	Metals, TDS, Inorganic

Low-Flow Test Report:

Test Date / Time: 9/21/2020 11:29:10 AM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWC-15R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 87.5 ft Total Depth: 97.59 ft Initial Depth to Water: 42.84 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 92.5 ft Estimated Total Volume Pumped: 3400 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0.49 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Prepurged 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/21/2020 11:29 AM	00:00	7.21 pH	19.32 °C	300.47 µS/cm	1.56 mg/L	1.00 NTU	14.9 mV	42.84 ft	0.14 PSU	170.00 ml/min
9/21/2020 11:33 AM	04:00	7.37 pH	18.65 °C	297.11 µS/cm	2.12 mg/L	0.54 NTU	26.7 mV	43.40 ft	0.14 PSU	170.00 ml/min
9/21/2020 11:37 AM	08:00	7.39 pH	18.64 °C	299.76 µS/cm	2.13 mg/L	4.45 NTU	29.9 mV	43.39 ft	0.14 PSU	170.00 ml/min
9/21/2020 11:41 AM	12:00	7.44 pH	18.90 °C	299.90 µS/cm	2.23 mg/L	4.22 NTU	31.1 mV	43.32 ft	0.14 PSU	170.00 ml/min
9/21/2020 11:45 AM	16:00	7.47 pH	18.97 °C	296.86 µS/cm	2.21 mg/L	4.96 NTU	32.7 mV	43.33 ft	0.14 PSU	170.00 ml/min
9/21/2020 11:49 AM	20:00	7.48 pH	18.95 °C	292.98 µS/cm	2.23 mg/L	4.53 NTU	34.2 mV	43.33 ft	0.14 PSU	170.00 ml/min

Samples

Sample ID:	Description:
GWC-15R	Metals, TDS, Inorganic

Low-Flow Test Report:

Test Date / Time: 9/21/2020 12:18:37 PM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWC-15Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 64.9 ft Total Depth: 74.9 ft Initial Depth to Water: 42.56 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 69.9 ft Estimated Total Volume Pumped: 2800 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.55 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Prepurged 1.5 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/21/2020 12:18 PM	00:00	7.39 pH	20.33 °C	195.39 µS/cm	5.76 mg/L	5.09 NTU	47.1 mV	42.56 ft	0.09 PSU	140.00 ml/min
9/21/2020 12:22 PM	04:00	7.56 pH	19.56 °C	194.83 µS/cm	6.09 mg/L	4.77 NTU	46.9 mV	43.11 ft	0.09 PSU	140.00 ml/min
9/21/2020 12:26 PM	08:00	7.62 pH	19.43 °C	194.80 µS/cm	6.14 mg/L	2.17 NTU	46.7 mV	43.11 ft	0.09 PSU	140.00 ml/min
9/21/2020 12:30 PM	12:00	7.62 pH	19.40 °C	194.98 µS/cm	6.13 mg/L	2.98 NTU	47.2 mV	43.11 ft	0.09 PSU	140.00 ml/min
9/21/2020 12:34 PM	16:00	7.66 pH	19.40 °C	195.25 µS/cm	6.12 mg/L	2.63 NTU	45.7 mV	43.11 ft	0.09 PSU	140.00 ml/min
9/21/2020 12:38 PM	20:00	7.66 pH	19.41 °C	196.35 µS/cm	6.07 mg/L	2.11 NTU	45.8 mV	43.11 ft	0.09 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-15Z	Metals, TDS, Inorganic

Low-Flow Test Report:

Test Date / Time: 9/8/2020 3:05:57 PM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWC-16R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 88.12 ft Total Depth: 98.12 ft Initial Depth to Water: 78.49 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 93.12 ft Estimated Total Volume Pumped: 7280 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 10.15 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Prepurged 2 liters

Water level below screen

Complete evac

Will sample on 9/9/20

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/8/2020 3:05 PM	00:00	7.28 pH	24.63 °C	1,045.2 µS/cm	8.15 mg/L	1.37 NTU	56.0 mV	78.49 ft	0.52 PSU	130.00 ml/min
9/8/2020 3:09 PM	04:00	7.08 pH	21.63 °C	1,058.2 µS/cm	5.83 mg/L	1.19 NTU	-14.8 mV	79.37 ft	0.53 PSU	130.00 ml/min
9/8/2020 3:13 PM	08:00	7.08 pH	21.00 °C	1,045.6 µS/cm	3.16 mg/L	1.23 NTU	-40.9 mV	79.88 ft	0.52 PSU	130.00 ml/min
9/8/2020 3:17 PM	12:00	7.08 pH	20.92 °C	1,031.5 µS/cm	1.96 mg/L	1.17 NTU	-38.7 mV	80.27 ft	0.52 PSU	130.00 ml/min
9/8/2020 3:21 PM	16:00	7.07 pH	20.60 °C	1,024.4 µS/cm	1.46 mg/L	1.16 NTU	-30.8 mV	80.71 ft	0.51 PSU	130.00 ml/min
9/8/2020 3:25 PM	20:00	7.06 pH	20.39 °C	1,022.3 µS/cm	1.22 mg/L	1.09 NTU	-23.5 mV	81.08 ft	0.51 PSU	130.00 ml/min
9/8/2020 3:29 PM	24:00	7.06 pH	20.38 °C	1,016.6 µS/cm	1.13 mg/L	1.21 NTU	-15.3 mV	81.38 ft	0.51 PSU	130.00 ml/min
9/8/2020 3:33 PM	28:00	7.06 pH	20.24 °C	1,012.8 µS/cm	1.10 mg/L	1.08 NTU	-11.0 mV	81.83 ft	0.51 PSU	130.00 ml/min
9/8/2020 3:37 PM	32:00	7.05 pH	19.00 °C	1,012.3 µS/cm	1.15 mg/L	1.33 NTU	-3.3 mV	82.41 ft	0.51 PSU	130.00 ml/min
9/8/2020 3:41 PM	36:00	7.05 pH	17.98 °C	999.18 µS/cm	1.70 mg/L	1.29 NTU	0.9 mV	83.69 ft	0.50 PSU	130.00 ml/min
9/8/2020 3:45 PM	40:00	7.05 pH	17.88 °C	990.87 µS/cm	2.18 mg/L	1.26 NTU	5.8 mV	84.47 ft	0.49 PSU	130.00 ml/min
9/8/2020 3:49 PM	44:00	7.05 pH	17.91 °C	987.97 µS/cm	2.36 mg/L	1.30 NTU	9.4 mV	85.78 ft	0.49 PSU	130.00 ml/min
9/8/2020 3:53 PM	48:00	7.05 pH	17.73 °C	984.41 µS/cm	2.63 mg/L	1.25 NTU	11.7 mV	86.91 ft	0.49 PSU	130.00 ml/min
9/8/2020 3:57 PM	52:00	7.04 pH	17.79 °C	984.25 µS/cm	2.76 mg/L	1.32 NTU	13.6 mV	87.71 ft	0.49 PSU	130.00 ml/min

9/8/2020 4:01 PM	56:00	7.03 pH	17.98 °C	980.24 μS/cm	2.85 mg/L	1.23 NTU	15.3 mV	88.64 ft	0.49 PSU	130.00 ml/min
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Samples

Sample ID:	Description:
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Location Properties

Location Name = Device Location

Well: GWC-16R

Report Properties

Start Time = 2020-09-09 11:13:16

Time Offset = -04:00:00

Duration = 00:00:45

Readings = 10

Instrument Properties

Device Model = Aqua TROLL 400

Device SN = 728634

Instrument Properties

Device Model = In-Situ Bluetooth Device

Device SN = 727023

Date Time	RDO		Oxygen	Actual	Specific			Total								Barometri		Marked
	Concentration (mg/L)	RDO Saturation (%Sat)	Partial Pressure (Torr)	Conductivity (µS/cm)	Temperature (°C)	Conductivity (µS/cm)	Salinity (PSU)	Solids (ppt)	Resistivity (Ω-cm)	Density (g/cm³)	Pressure (psi)	Depth (ft)	pH (pH)	pH mV (mV)	ORP (mV)	c Pressure (mbar)	Temperature (°C)	
9/9/2020 11:13	5.088744	61.8934	82.88081	515.6561	24.2617	523.0319	0.255179	0.339971	1939.284	0.997428	-0.125412	0.347199	7.101645	-3.195025	72.65807	996.2988	32.53891	
9/9/2020 11:13	5.08401	61.80139	82.76236	515.3699	24.22526	523.1103	0.25522	0.340022	1940.355	0.997437	-0.12501	0.348127	7.100777	-3.144546	72.62185	996.2994	32.53992	
9/9/2020 11:13	5.137127	62.21902	83.35139	516.0456	24.02545	525.8345	0.256596	0.341792	1937.814	0.997488	-0.131303	0.333613	7.096423	-2.893348	72.9538	996.2906	32.54907	
9/9/2020 11:13	5.101236	61.5599	82.49861	514.4577	23.90792	525.4174	0.256389	0.341521	1943.797	0.997517	-0.139518	0.314662	7.093522	-2.72594	72.5489	996.2988	32.55862	
9/9/2020 11:13	5.099107	61.50119	82.42435	514.3048	23.88793	525.4657	0.256414	0.341553	1944.373	0.997522	-0.140647	0.312058	7.093046	-2.698462	72.51517	996.2994	32.55999	
9/9/2020 11:13	5.118768	61.56929	82.53551	514.6852	23.66047	528.2	0.257795	0.34333	1942.935	0.997578	-0.148129	0.2948	7.091418	-2.602479	72.67427	996.2714	32.56005	
9/9/2020 11:13	5.075159	60.88828	81.6419	510.3737	23.51996	525.2202	0.256298	0.341393	1959.366	0.997611	-0.143272	0.306004	7.087403	-2.371531	72.41789	996.2614	32.56886	
9/9/2020 11:13	5.142348	61.47469	82.45804	510.3965	23.43684	526.1039	0.256744	0.341968	1959.266	0.997632	-0.143586	0.305278	7.083313	-2.136108	72.60216	996.2856	32.56962	
9/9/2020 11:13	5.148426	61.51734	82.51929	510.2445	23.42309	526.0899	0.256738	0.341958	1959.844	0.997635	-0.143427	0.305647	7.082707	-2.101224	72.61351	996.2881	32.57003	
9/9/2020 11:14	5.084318	60.59587	81.30016	507.6263	23.17835	525.9251	0.256658	0.341851	1969.958	0.997694	-0.141264	0.310635	7.081592	-2.035425	72.27261	996.2532	32.57903	

Low-Flow Test Report:

Test Date / Time: 9/8/2020 1:43:47 PM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWC-17R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.93 ft Total Depth: 92.93 ft Initial Depth to Water: 83.24 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.93 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 2.77 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Prepurged 2 liter

Water level below pump

Fully evacuated

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/8/2020 1:43 PM	00:00	7.23 pH	19.76 °C	1,085.0 µS/cm	7.88 mg/L	1.29 NTU	32.8 mV	83.24 ft	0.54 PSU	180.00 ml/min
9/8/2020 1:47 PM	04:00	7.19 pH	18.39 °C	1,095.6 µS/cm	7.54 mg/L	1.36 NTU	28.3 mV	86.01 ft	0.55 PSU	180.00 ml/min
9/8/2020 1:51 PM	08:00	7.18 pH	18.82 °C	1,107.9 µS/cm	7.48 mg/L	1.22 NTU	27.3 mV	86.01 ft	0.56 PSU	180.00 ml/min
9/8/2020 1:55 PM	12:00	7.18 pH	19.98 °C	1,107.9 µS/cm	7.65 mg/L	1.88 NTU	26.6 mV	86.01 ft	0.56 PSU	180.00 ml/min

Samples

Sample ID:	Description:
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Location Properties
 Location Name = Device Location

Well: GWC-17R

Report Properties
 Start Time = 2020-09-09 10:41:44
 Time Offset = -04:00:00
 Duration = 00:00:56
 Readings = 11

Instrument Properties
 Device Model = Aqua TROLL 400
 Device SN = 728634

Instrument Properties
 Device Model = In-Situ Bluetooth Device
 Device SN = 727023

Date Time	RDO		Oxygen	Actual	Specific			Total											Barometri		Marked
	Concentra	RDO	Partial	Conductivi	Temperat	ty	Salinity	Solids	Resistivity	Density	Pressure	Depth (ft)	pH (pH)	pH mV	ORP (mV)	c Pressure	Temperat				
	(mg/L)	(%Sat)	(Torr)	(μ S/cm)	($^{\circ}$ C)	(μ S/cm)	(PSU)	(ppt)	(Ω -cm)	(g/cm 3)	(psi)	(ft)	(pH)	(mV)	(mV)	(mbar)	($^{\circ}$ C)				
9/9/2020 10:41	9.098687	111.1689	148.7877	566.6729	24.48367	572.317	0.280015	0.372006	1764.686	0.997391	-0.102934	0.39905	7.307895	-15.04859	79.85705	996.2197	29.87				
9/9/2020 10:41	9.098687	111.1689	148.7877	566.6729	24.48367	572.317	0.280015	0.372006	1764.686	0.997391	-0.102934	0.39905	7.307895	-15.04859	79.85705	996.2197	29.87				
9/9/2020 10:42	9.600778	116.3759	155.8888	565.4181	24.06046	575.7506	0.281763	0.374238	1768.603	0.997498	-0.124595	0.349086	7.294629	-14.27449	76.38527	996.2688	29.90928				
9/9/2020 10:42	9.643194	116.2134	155.746	562.0746	23.85806	574.6078	0.281191	0.373495	1779.137	0.997548	-0.135328	0.324328	7.28745	-13.8573	75.0946	996.1748	29.92556				
9/9/2020 10:42	9.671594	116.4381	156.0616	561.6285	23.81481	574.636	0.281207	0.373513	1780.54	0.997558	-0.137584	0.319123	7.285998	-13.77275	74.78267	996.1662	29.92928				
9/9/2020 10:42	10.00653	119.5413	160.3562	558.8611	23.299	577.6312	0.282728	0.37546	1789.36	0.997685	-0.134775	0.325602	7.27415	-13.06937	72.37858	996.2783	29.97478				
9/9/2020 10:42	10.01572	119.2917	160.0673	577.7585	23.12892	599.1913	0.293637	0.389474	1731.161	0.997734	-0.130544	0.335363	7.246656	-11.48007	72.82211	996.2767	30.01214				
9/9/2020 10:42	10.02964	119.3858	160.2036	579.7553	23.09084	601.6981	0.294906	0.391104	1725.023	0.997744	-0.129935	0.336767	7.243179	-11.27837	72.78224	996.2813	30.01798				
9/9/2020 10:42	10.66144	125.0678	168.04	561.6276	22.73482	587.0168	0.287476	0.381561	1780.714	0.997822	-0.120948	0.357496	7.244497	-11.3377	70.89732	996.2253	30.04667				
9/9/2020 10:42	10.61112	124.494	167.2687	594.4919	22.37451	625.9203	0.307181	0.406848	1682.848	0.997921	-0.137233	0.319934	7.230987	-10.553	71.45662	996.2214	30.08381				
9/9/2020 10:42	10.62975	124.6492	167.4848	597.4374	22.32053	629.6732	0.309082	0.409288	1674.15	0.997935	-0.138746	0.316444	7.229611	-10.47243	71.44455	996.2189	30.08898				

Low-Flow Test Report:

Test Date / Time: 9/9/2020 1:41:19 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-18 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.31 ft Total Depth: 80.31 ft Initial Depth to Water: 74.1 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 79.31 ft Estimated Total Volume Pumped: 12080 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 1 L

Bladder pump set at 79.31 because of lack of water at mid-screen.

Pump raised to 230 mL/min at 13:59 and 340 mL/min at 14:09. Well would not purge dry. Called Pete Robinson at 14:21. PR approved dropping pump rate (150 mL/min) and sampling.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/9/2020 1:41 PM	00:00	6.62 pH	18.69 °C	144.73 µS/cm	7.47 mg/L	17.90 NTU	54.4 mV	74.10 ft	0.07 PSU	180.00 ml/min
9/9/2020 1:45 PM	04:00	6.61 pH	18.27 °C	146.12 µS/cm	7.54 mg/L	14.40 NTU	39.4 mV	74.14 ft	0.07 PSU	180.00 ml/min
9/9/2020 1:49 PM	08:00	6.60 pH	18.27 °C	146.06 µS/cm	7.50 mg/L	12.80 NTU	37.3 mV	74.14 ft	0.07 PSU	180.00 ml/min
9/9/2020 1:53 PM	12:00	6.60 pH	18.18 °C	145.48 µS/cm	7.47 mg/L	7.78 NTU	36.4 mV	74.14 ft	0.07 PSU	180.00 ml/min
9/9/2020 1:57 PM	16:00	6.60 pH	18.08 °C	145.06 µS/cm	7.46 mg/L	5.57 NTU	36.1 mV	74.15 ft	0.07 PSU	180.00 ml/min
9/9/2020 2:01 PM	20:00	6.60 pH	17.82 °C	145.31 µS/cm	7.48 mg/L	4.61 NTU	35.8 mV	74.15 ft	0.07 PSU	230.00 ml/min
9/9/2020 2:05 PM	24:00	6.60 pH	17.92 °C	146.02 µS/cm	7.44 mg/L	3.74 NTU	35.5 mV	74.15 ft	0.07 PSU	230.00 ml/min
9/9/2020 2:09 PM	28:00	6.61 pH	17.45 °C	146.30 µS/cm	7.49 mg/L	2.90 NTU	35.3 mV	74.18 ft	0.07 PSU	340.00 ml/min
9/9/2020 2:13 PM	32:00	6.62 pH	17.36 °C	148.34 µS/cm	7.44 mg/L	2.25 NTU	34.5 mV	74.18 ft	0.07 PSU	340.00 ml/min
9/9/2020 2:17 PM	36:00	6.62 pH	17.31 °C	150.26 µS/cm	7.44 mg/L	2.19 NTU	34.5 mV	74.18 ft	0.07 PSU	340.00 ml/min
9/9/2020 2:21 PM	40:00	6.64 pH	17.32 °C	152.39 µS/cm	7.43 mg/L	2.02 NTU	34.5 mV	74.18 ft	0.07 PSU	340.00 ml/min
9/9/2020 2:25 PM	44:00	6.64 pH	17.81 °C	155.91 µS/cm	7.48 mg/L	1.68 NTU	34.0 mV	74.16 ft	0.07 PSU	150.00 ml/min
9/9/2020 2:29 PM	48:00	6.64 pH	18.38 °C	153.58 µS/cm	7.36 mg/L	2.32 NTU	34.5 mV	74.16 ft	0.07 PSU	150.00 ml/min
9/9/2020 2:33 PM	52:00	6.63 pH	18.47 °C	152.53 µS/cm	7.38 mg/L	1.89 NTU	34.4 mV	74.16 ft	0.07 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-18	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/9/2020 12:34:31 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

<p>Location Name: GWC-18R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.1 ft Total Depth: 140.1 ft Initial Depth to Water: 73.87 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 135.1 ft Estimated Total Volume Pumped: 5120 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.03 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728638</p>
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Test Notes:

Prepurged 0.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/9/2020 12:34 PM	00:00	7.48 pH	20.43 °C	269.54 µS/cm	7.31 mg/L	0.90 NTU	44.6 mV	73.87 ft	0.13 PSU	160.00 ml/min
9/9/2020 12:38 PM	04:00	7.51 pH	18.87 °C	274.30 µS/cm	5.31 mg/L	3.28 NTU	27.8 mV	73.89 ft	0.13 PSU	160.00 ml/min
9/9/2020 12:42 PM	08:00	7.74 pH	18.42 °C	276.42 µS/cm	6.21 mg/L	1.39 NTU	25.6 mV	73.90 ft	0.13 PSU	160.00 ml/min
9/9/2020 12:46 PM	12:00	7.79 pH	18.22 °C	277.30 µS/cm	6.36 mg/L	1.70 NTU	25.7 mV	73.90 ft	0.13 PSU	160.00 ml/min
9/9/2020 12:50 PM	16:00	7.80 pH	18.20 °C	277.59 µS/cm	6.43 mg/L	2.06 NTU	25.6 mV	73.90 ft	0.13 PSU	160.00 ml/min
9/9/2020 12:54 PM	20:00	7.80 pH	18.15 °C	277.17 µS/cm	6.47 mg/L	2.53 NTU	25.6 mV	73.90 ft	0.13 PSU	160.00 ml/min
9/9/2020 12:58 PM	24:00	7.80 pH	18.45 °C	276.80 µS/cm	6.47 mg/L	2.76 NTU	25.6 mV	73.90 ft	0.13 PSU	160.00 ml/min
9/9/2020 1:02 PM	28:00	7.81 pH	18.18 °C	277.20 µS/cm	6.51 mg/L	3.77 NTU	25.5 mV	73.90 ft	0.13 PSU	160.00 ml/min
9/9/2020 1:06 PM	32:00	7.81 pH	18.12 °C	277.33 µS/cm	6.54 mg/L	3.63 NTU	25.6 mV	73.90 ft	0.13 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-18R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/9/2020 1:07:03 PM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-19R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 136.6 ft Total Depth: 146.6 ft Initial Depth to Water: 77.85 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 141.6 ft Estimated Total Volume Pumped: 3680 ml Flow Cell Volume: 90 ml Final Flow Rate: 115 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/9/2020 1:07 PM	00:00	7.64 pH	22.81 °C	291.63 µS/cm	6.28 mg/L	3.09 NTU	29.0 mV	77.87 ft	0.14 PSU	115.00 ml/min
9/9/2020 1:11 PM	04:00	7.66 pH	22.51 °C	298.30 µS/cm	6.59 mg/L	2.63 NTU	27.3 mV	77.87 ft	0.14 PSU	115.00 ml/min
9/9/2020 1:15 PM	08:00	7.67 pH	22.33 °C	296.15 µS/cm	6.52 mg/L	0.91 NTU	27.4 mV	77.87 ft	0.14 PSU	115.00 ml/min
9/9/2020 1:19 PM	12:00	7.66 pH	23.19 °C	304.06 µS/cm	6.68 mg/L	0.76 NTU	27.2 mV	77.87 ft	0.15 PSU	115.00 ml/min
9/9/2020 1:23 PM	16:00	7.66 pH	24.36 °C	299.70 µS/cm	6.43 mg/L	0.90 NTU	27.4 mV	77.87 ft	0.14 PSU	115.00 ml/min
9/9/2020 1:27 PM	20:00	7.66 pH	23.66 °C	300.35 µS/cm	6.50 mg/L	0.90 NTU	27.4 mV	77.87 ft	0.14 PSU	115.00 ml/min
9/9/2020 1:31 PM	24:00	7.65 pH	25.08 °C	304.89 µS/cm	6.63 mg/L	1.07 NTU	27.4 mV	77.87 ft	0.15 PSU	115.00 ml/min
9/9/2020 1:35 PM	28:00	7.66 pH	25.85 °C	298.48 µS/cm	6.45 mg/L	0.93 NTU	27.9 mV	77.87 ft	0.14 PSU	115.00 ml/min
9/9/2020 1:39 PM	32:00	7.67 pH	24.17 °C	297.12 µS/cm	6.50 mg/L	0.94 NTU	28.2 mV	77.87 ft	0.14 PSU	115.00 ml/min

Samples

Sample ID:	Description:
GWC-19R	Metals, TDS, Inorganics
DUP-3	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/4/2020 12:29:13 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-20R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 77.47 ft Total Depth: 87.47 ft Initial Depth to Water: 71.64 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 82.47 ft Estimated Total Volume Pumped: 6600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.23 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/4/2020 12:29 PM	00:00	7.54 pH	25.45 °C	325.95 µS/cm	7.36 mg/L	0.36 NTU	49.9 mV	71.64 ft	0.16 PSU	150.00 ml/min
9/4/2020 12:33 PM	04:00	7.61 pH	21.72 °C	317.73 µS/cm	7.05 mg/L	0.08 NTU	33.0 mV	71.82 ft	0.15 PSU	150.00 ml/min
9/4/2020 12:37 PM	08:00	7.69 pH	21.19 °C	315.57 µS/cm	6.91 mg/L	0.15 NTU	31.2 mV	71.84 ft	0.15 PSU	150.00 ml/min
9/4/2020 12:41 PM	12:00	7.72 pH	21.10 °C	311.49 µS/cm	6.78 mg/L	0.02 NTU	30.8 mV	71.84 ft	0.15 PSU	150.00 ml/min
9/4/2020 12:45 PM	16:00	7.73 pH	20.52 °C	312.24 µS/cm	6.67 mg/L	0.03 NTU	30.8 mV	71.84 ft	0.15 PSU	150.00 ml/min
9/4/2020 12:49 PM	20:00	7.71 pH	20.70 °C	320.25 µS/cm	6.57 mg/L	0.03 NTU	30.5 mV	71.84 ft	0.15 PSU	150.00 ml/min
9/4/2020 12:53 PM	24:00	7.69 pH	20.12 °C	331.30 µS/cm	6.64 mg/L	0.01 NTU	30.7 mV	71.84 ft	0.16 PSU	150.00 ml/min
9/4/2020 12:57 PM	28:00	7.65 pH	19.87 °C	342.31 µS/cm	6.72 mg/L	0.02 NTU	30.5 mV	71.84 ft	0.17 PSU	150.00 ml/min
9/4/2020 1:01 PM	32:00	7.61 pH	20.41 °C	353.87 µS/cm	6.72 mg/L	0.01 NTU	30.2 mV	71.85 ft	0.17 PSU	150.00 ml/min
9/4/2020 1:05 PM	36:00	7.59 pH	20.54 °C	358.45 µS/cm	6.77 mg/L	0.01 NTU	30.2 mV	71.85 ft	0.17 PSU	150.00 ml/min
9/4/2020 1:09 PM	40:00	7.58 pH	20.67 °C	362.17 µS/cm	6.84 mg/L	0.03 NTU	30.2 mV	71.86 ft	0.17 PSU	150.00 ml/min
9/4/2020 1:13 PM	44:00	7.57 pH	20.74 °C	361.60 µS/cm	6.83 mg/L	0.02 NTU	30.3 mV	71.87 ft	0.17 PSU	150.00 ml/min

Samples

Sample ID:	Description:
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GWC-20R

Metals, TDS, Inorganics

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/8/2020 2:29:31 PM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-21R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 80.6 ft Total Depth: 90.6 ft Initial Depth to Water: 72.56 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 85.6 ft Estimated Total Volume Pumped: 4250 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 4.82 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 4L

Purging some dead ants and organic flecks. Water smells organic. Able to purge majority of organics.

Was having drawdown issues, dropped pump rate to 100 ml/min after 12 minutes of purging to attempt to reduce drawdown.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/8/2020 2:29 PM	00:00	7.00 pH	22.69 °C	598.13 µS/cm	0.30 mg/L	0.65 NTU	-45.8 mV	75.61 ft	0.29 PSU	140.00 ml/min
9/8/2020 2:33 PM	04:00	7.02 pH	22.87 °C	589.75 µS/cm	0.72 mg/L	0.42 NTU	-28.8 mV	75.80 ft	0.29 PSU	140.00 ml/min
9/8/2020 2:37 PM	08:00	7.03 pH	22.64 °C	586.61 µS/cm	1.32 mg/L	0.50 NTU	-20.1 mV	76.15 ft	0.29 PSU	140.00 ml/min
9/8/2020 2:41 PM	12:00	7.05 pH	22.65 °C	581.79 µS/cm	1.96 mg/L	0.56 NTU	-13.0 mV	76.52 ft	0.28 PSU	140.00 ml/min
9/8/2020 2:45 PM	16:00	7.04 pH	23.99 °C	592.24 µS/cm	2.54 mg/L	0.56 NTU	-11.2 mV	76.70 ft	0.29 PSU	140.00 ml/min
9/8/2020 2:49 PM	20:00	7.05 pH	25.74 °C	585.67 µS/cm	2.74 mg/L	0.36 NTU	-8.7 mV	76.81 ft	0.29 PSU	140.00 ml/min
9/8/2020 2:53 PM	24:00	7.06 pH	25.58 °C	583.27 µS/cm	2.93 mg/L	0.38 NTU	-5.2 mV	76.91 ft	0.29 PSU	140.00 ml/min
9/8/2020 2:57 PM	28:00	7.06 pH	25.79 °C	583.58 µS/cm	3.05 mg/L	0.33 NTU	-3.8 mV	77.03 ft	0.29 PSU	140.00 ml/min
9/8/2020 3:01 PM	32:00	7.06 pH	25.49 °C	585.00 µS/cm	3.09 mg/L	0.38 NTU	-1.8 mV	77.16 ft	0.29 PSU	140.00 ml/min
9/8/2020 3:05 PM	36:00	7.06 pH	25.50 °C	585.80 µS/cm	3.05 mg/L	0.39 NTU	-1.5 mV	77.29 ft	0.29 PSU	140.00 ml/min
9/8/2020 3:09 PM	40:00	7.07 pH	25.48 °C	584.43 µS/cm	2.98 mg/L	0.39 NTU	-0.3 mV	77.38 ft	0.29 PSU	140.00 ml/min

Samples

Sample ID:	Description:
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GWC-21R

Metals, TDS, Inorganics

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/8/2020 11:56:53 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-22R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 109.6 ft Total Depth: 119.6 ft Initial Depth to Water: 64.92 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 114.6 ft Estimated Total Volume Pumped: 8500 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 1L

Initially purged several dead ants

Well took a while to stabilize, both RDO and Conductivity fell out of initial stabilization and took a while to come back in.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/8/2020 11:56 AM	00:00	7.14 pH	20.01 °C	427.19 µS/cm	0.20 mg/L	1.69 NTU	-65.0 mV	64.92 ft	0.21 PSU	125.00 ml/min
9/8/2020 12:00 PM	04:00	7.14 pH	19.84 °C	426.26 µS/cm	0.16 mg/L	1.20 NTU	-57.4 mV	64.92 ft	0.21 PSU	125.00 ml/min
9/8/2020 12:04 PM	08:00	7.11 pH	19.84 °C	426.04 µS/cm	0.14 mg/L	1.25 NTU	-54.2 mV	64.93 ft	0.21 PSU	125.00 ml/min
9/8/2020 12:08 PM	12:00	7.15 pH	19.79 °C	422.34 µS/cm	0.15 mg/L	1.36 NTU	-52.3 mV	64.93 ft	0.20 PSU	125.00 ml/min
9/8/2020 12:12 PM	16:00	7.14 pH	20.02 °C	411.93 µS/cm	0.27 mg/L	1.20 NTU	-46.9 mV	64.93 ft	0.20 PSU	125.00 ml/min
9/8/2020 12:16 PM	20:00	7.13 pH	19.99 °C	401.38 µS/cm	0.61 mg/L	1.24 NTU	-41.0 mV	64.93 ft	0.19 PSU	125.00 ml/min
9/8/2020 12:20 PM	24:00	7.14 pH	19.96 °C	387.52 µS/cm	1.15 mg/L	1.36 NTU	-34.7 mV	64.93 ft	0.19 PSU	125.00 ml/min
9/8/2020 12:24 PM	28:00	7.14 pH	20.12 °C	376.16 µS/cm	1.69 mg/L	1.41 NTU	-29.5 mV	64.93 ft	0.18 PSU	125.00 ml/min
9/8/2020 12:28 PM	32:00	7.15 pH	20.25 °C	368.28 µS/cm	2.09 mg/L	2.21 NTU	-26.8 mV	64.93 ft	0.18 PSU	125.00 ml/min
9/8/2020 12:32 PM	36:00	7.15 pH	20.10 °C	366.15 µS/cm	2.42 mg/L	1.38 NTU	-25.2 mV	64.93 ft	0.18 PSU	125.00 ml/min
9/8/2020 12:36 PM	40:00	7.16 pH	20.33 °C	361.63 µS/cm	2.62 mg/L	1.81 NTU	-23.3 mV	64.93 ft	0.17 PSU	125.00 ml/min
9/8/2020 12:40 PM	44:00	7.18 pH	20.42 °C	358.61 µS/cm	2.87 mg/L	1.18 NTU	-22.6 mV	64.93 ft	0.17 PSU	125.00 ml/min
9/8/2020 12:44 PM	48:00	7.18 pH	20.47 °C	359.39 µS/cm	3.05 mg/L	1.19 NTU	-22.6 mV	64.93 ft	0.17 PSU	125.00 ml/min
9/8/2020 12:48 PM	52:00	7.19 pH	20.73 °C	355.93 µS/cm	3.31 mg/L	1.18 NTU	-21.5 mV	64.93 ft	0.17 PSU	125.00 ml/min

9/8/2020 12:52 PM	56:00	7.19 pH	21.28 °C	354.57 µS/cm	3.41 mg/L	0.99 NTU	-22.1 mV	64.93 ft	0.17 PSU	125.00 ml/min
9/8/2020 12:56 PM	01:00:00	7.18 pH	21.49 °C	355.35 µS/cm	3.44 mg/L	1.39 NTU	-23.3 mV	64.93 ft	0.17 PSU	125.00 ml/min
9/8/2020 1:00 PM	01:04:00	7.19 pH	21.89 °C	353.17 µS/cm	3.50 mg/L	1.04 NTU	-22.8 mV	64.93 ft	0.17 PSU	125.00 ml/min
9/8/2020 1:04 PM	01:08:00	7.19 pH	22.08 °C	347.33 µS/cm	3.55 mg/L	1.29 NTU	-22.2 mV	64.93 ft	0.17 PSU	125.00 ml/min

Samples

Sample ID:	Description:
GWC-22R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/8/2020 2:24:36 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 40.35 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 7120 ml Flow Cell Volume: 90 ml Final Flow Rate: 190 ml/min Final Draw Down: 4.15 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 1 L

At time 04:00, pump rate dropped to 140 mL/min. At time 28:00, pump rate raised to 190 mL/min. Full evacuation performed on well.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/8/2020 2:24 PM	00:00	7.28 pH	20.91 °C	827.86 µS/cm	4.60 mg/L	1.48 NTU	2.0 mV	40.35 ft	0.41 PSU	180.00 ml/min
9/8/2020 2:28 PM	04:00	7.24 pH	19.91 °C	953.48 µS/cm	2.25 mg/L	1.61 NTU	-12.6 mV	41.00 ft	0.48 PSU	140.00 ml/min
9/8/2020 2:32 PM	08:00	7.24 pH	20.57 °C	927.69 µS/cm	1.80 mg/L	1.01 NTU	-12.4 mV	41.70 ft	0.46 PSU	140.00 ml/min
9/8/2020 2:36 PM	12:00	7.23 pH	19.91 °C	942.56 µS/cm	1.86 mg/L	1.68 NTU	-10.2 mV	42.00 ft	0.47 PSU	140.00 ml/min
9/8/2020 2:40 PM	16:00	7.23 pH	19.88 °C	965.85 µS/cm	2.11 mg/L	1.36 NTU	-5.3 mV	42.50 ft	0.48 PSU	140.00 ml/min
9/8/2020 2:44 PM	20:00	7.25 pH	19.54 °C	989.15 µS/cm	2.64 mg/L	1.60 NTU	3.7 mV	42.75 ft	0.49 PSU	140.00 ml/min
9/8/2020 2:48 PM	24:00	7.26 pH	19.63 °C	1,012.8 µS/cm	3.27 mg/L	3.40 NTU	11.7 mV	43.00 ft	0.51 PSU	140.00 ml/min
9/8/2020 2:52 PM	28:00	7.28 pH	18.95 °C	1,029.3 µS/cm	3.95 mg/L	7.60 NTU	17.4 mV	43.25 ft	0.51 PSU	190.00 ml/min
9/8/2020 2:56 PM	32:00	7.30 pH	19.06 °C	1,041.5 µS/cm	4.46 mg/L	12.00 NTU	20.1 mV	43.50 ft	0.52 PSU	190.00 ml/min
9/8/2020 3:00 PM	36:00	7.31 pH	19.11 °C	1,049.6 µS/cm	4.80 mg/L	7.68 NTU	21.4 mV	44.00 ft	0.52 PSU	190.00 ml/min
9/8/2020 3:04 PM	40:00	7.32 pH	19.32 °C	1,056.1 µS/cm	5.04 mg/L	4.53 NTU	22.1 mV	44.50 ft	0.53 PSU	190.00 ml/min
9/8/2020 3:08 PM	44:00	7.36 pH	19.31 °C	1,040.4 µS/cm	6.92 mg/L	6.02 NTU	22.7 mV	44.50 ft	0.52 PSU	190.00 ml/min

Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Location Properties

Location Name = Device Location

Report Properties

Start Time = 2020-09-09 10:31:27

Time Offset = -04:00:00

Duration = 00:00:24

Readings = 13

Well GWC-23R

Instrument Properties

Device Model = Aqua TROLL 400

Device SN = 728638

Instrument Properties

Device Model = In-Situ Bluetooth Device

Device SN = 724809

Date Time	RDO		Oxygen	Actual	Specific		Total						Barometri		Marked		
	Concentration (mg/L)	Saturation (%Sat)	Partial Pressure (Torr)	Conductivity (µS/cm)	Temperature (°C)	Conductivity (µS/cm)	Salinity (PSU)	Solids (ppt)	Resistivity (Ω·cm)	Density (g/cm³)	Pressure (psi)	Depth (ft)	pH (pH)	pH mV (mV)		ORP (mV)	Pressure (mbar)
9/9/2020 10:31	7.434997	89.3802	129.1812	706.5069	23.64913	725.2137	0.358541	0.471389	154124.5	0.997658	-0.102817	0.399318	6.923348	1.65237	107.8044	997.2405	25.1906
9/9/2020 10:31	7.846453	91.94272	133.1987	729.066	22.26189	770.2155	0.381289	0.50064	91671.36	0.998002	-0.102452	0.400161	6.985723	-1.978551	105.2044	997.2487	25.20756
9/9/2020 10:31	7.857	91.96194	133.241	741.1856	22.1975	783.6694	0.387967	0.509385	52759.09	0.998022	-0.10287	0.399197	6.990577	-2.256634	105.7352	997.2489	25.2082
9/9/2020 10:31	7.867548	91.98117	133.2834	753.3052	22.13311	797.1234	0.394645	0.51813	13846.81	0.998042	-0.103288	0.398233	6.99543	-2.534717	106.266	997.2491	25.20884
9/9/2020 10:31	7.878095	92.0004	133.3257	765.4249	22.06872	810.5773	0.401323	0.526875	0	0.998063	-0.103706	0.397269	7.000282	-2.8128	106.7967	997.2494	25.20948
9/9/2020 10:31	7.951833	92.85014	134.5583	760.0125	22.10375	804.5439	0.398383	0.522954	1315.775	0.998052	-0.097732	0.411049	7.042063	-5.251606	103.0361	997.2495	25.21818
9/9/2020 10:31	7.963384	92.93941	134.6938	760.2362	22.07739	805.1918	0.398715	0.523375	1315.384	0.998059	-0.097458	0.411682	7.045177	-5.433134	102.8188	997.2496	25.21891
9/9/2020 10:31	7.974936	93.02869	134.8294	760.46	22.05103	805.8397	0.399047	0.523796	1314.993	0.998065	-0.097183	0.412314	7.04829	-5.614663	102.6015	997.2498	25.21964
9/9/2020 10:31	8.045609	93.76002	135.9029	761.1437	22.00243	807.369	0.39983	0.52479	1313.814	0.998077	-0.098413	0.409478	7.084207	-7.707098	100.9032	997.2664	25.2196
9/9/2020 10:31	8.050241	93.80845	135.9739	761.2255	22.00012	807.4934	0.399894	0.524871	1313.672	0.998078	-0.098364	0.409592	7.086636	-7.848656	100.7651	997.2671	25.21976
9/9/2020 10:31	8.054873	93.85689	136.0449	761.3073	21.99781	807.6178	0.399958	0.524952	1313.53	0.998078	-0.098314	0.409705	7.089065	-7.990213	100.627	997.2679	25.21993
9/9/2020 10:31	8.059505	93.90532	136.1159	761.3891	21.9955	807.7422	0.400022	0.525033	1313.389	0.998079	-0.098265	0.409818	7.091495	-8.131771	100.4889	997.2686	25.22009
9/9/2020 10:31	8.1349	94.6116	137.16	761.2784	21.92842	808.7245	0.400523	0.525671	1313.58	0.998094	-0.101562	0.402214	7.12358	-10.00117	103.3837	997.2604	25.22861

Low-Flow Test Report:

Test Date / Time: 9/9/2020 10:39:47 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-24R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 30.1 ft Total Depth: 40.1 ft Initial Depth to Water: 25.77 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 35.1 ft Estimated Total Volume Pumped: 2640 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.53 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Ants nesting in well. Prepurged 6.5L to rid water of some dead ants and organics

Called Brad F. @ 1100, got confirmation to sample

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/9/2020 10:39 AM	00:00	7.19 pH	20.34 °C	349.66 µS/cm	2.73 mg/L	1.85 NTU	-14.2 mV	26.33 ft	0.17 PSU	100.00 ml/min
9/9/2020 10:42 AM	02:25	7.20 pH	20.39 °C	345.70 µS/cm	2.85 mg/L	1.64 NTU	-40.3 mV	26.33 ft	0.17 PSU	100.00 ml/min
9/9/2020 10:46 AM	06:25	7.22 pH	20.56 °C	346.27 µS/cm	3.00 mg/L	1.89 NTU	-8.4 mV	26.29 ft	0.17 PSU	100.00 ml/min
9/9/2020 10:50 AM	10:25	7.21 pH	20.64 °C	347.58 µS/cm	2.95 mg/L	1.59 NTU	-6.5 mV	26.30 ft	0.17 PSU	100.00 ml/min
9/9/2020 10:54 AM	14:25	7.20 pH	20.78 °C	349.23 µS/cm	2.94 mg/L	1.60 NTU	-7.1 mV	26.30 ft	0.17 PSU	100.00 ml/min
9/9/2020 10:58 AM	18:25	7.21 pH	20.82 °C	348.79 µS/cm	2.90 mg/L	1.86 NTU	-7.1 mV	26.30 ft	0.17 PSU	100.00 ml/min
9/9/2020 11:02 AM	22:25	7.21 pH	20.90 °C	346.06 µS/cm	2.95 mg/L	1.86 NTU	-6.0 mV	26.30 ft	0.17 PSU	100.00 ml/min
9/9/2020 11:06 AM	26:25	7.22 pH	20.97 °C	345.12 µS/cm	3.06 mg/L	1.58 NTU	-5.2 mV	26.30 ft	0.17 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-24R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/4/2020 12:19:45 PM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-25R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 90 ft Total Depth: 100 ft Initial Depth to Water: 25.02 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 95 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 1L

Wasps in well casing

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/4/2020 12:19 PM	00:00	7.32 pH	21.86 °C	324.40 µS/cm	4.03 mg/L	0.98 NTU	7.3 mV	25.02 ft	0.16 PSU	110.00 ml/min
9/4/2020 12:23 PM	04:00	7.48 pH	21.75 °C	332.01 µS/cm	5.57 mg/L	0.68 NTU	22.2 mV	25.02 ft	0.16 PSU	110.00 ml/min
9/4/2020 12:27 PM	08:00	7.59 pH	21.55 °C	332.80 µS/cm	6.31 mg/L	0.68 NTU	26.7 mV	25.02 ft	0.16 PSU	110.00 ml/min
9/4/2020 12:31 PM	12:00	7.63 pH	21.62 °C	338.82 µS/cm	6.61 mg/L	1.00 NTU	28.4 mV	25.02 ft	0.16 PSU	110.00 ml/min
9/4/2020 12:35 PM	16:00	7.62 pH	21.84 °C	341.16 µS/cm	6.59 mg/L	0.98 NTU	29.2 mV	25.02 ft	0.16 PSU	110.00 ml/min
9/4/2020 12:39 PM	20:00	7.63 pH	21.99 °C	334.25 µS/cm	6.48 mg/L	0.66 NTU	29.8 mV	25.02 ft	0.16 PSU	110.00 ml/min
9/4/2020 12:43 PM	24:00	7.62 pH	22.15 °C	337.96 µS/cm	6.49 mg/L	0.58 NTU	30.1 mV	25.03 ft	0.16 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-25R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/3/2020 12:52:12 PM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWA-36 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 71.77 ft Total Depth: 81.77 ft Initial Depth to Water: 34.41 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 76.77 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.41 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Prepurged 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	
9/3/2020 12:52 PM	00:00	6.75 pH	19.27 °C	221.12 µS/cm	6.18 mg/L	4.75 NTU	63.8 mV	34.78 ft	160.00 ml/min
9/3/2020 12:56 PM	04:00	6.80 pH	20.37 °C	226.63 µS/cm	6.43 mg/L	2.61 NTU	53.2 mV	34.82 ft	160.00 ml/min
9/3/2020 1:00 PM	08:00	6.80 pH	20.65 °C	227.70 µS/cm	6.41 mg/L	2.94 NTU	51.9 mV	34.82 ft	160.00 ml/min
9/3/2020 1:04 PM	12:00	6.80 pH	20.60 °C	227.81 µS/cm	6.44 mg/L	2.66 NTU	51.3 mV	34.82 ft	160.00 ml/min
9/3/2020 1:08 PM	16:00	6.81 pH	20.65 °C	228.26 µS/cm	6.41 mg/L	3.65 NTU	51.2 mV	34.82 ft	160.00 ml/min
9/3/2020 1:12 PM	20:00	6.81 pH	20.47 °C	228.06 µS/cm	6.40 mg/L	4.01 NTU	51.7 mV	34.82 ft	160.00 ml/min

Samples

Sample ID:	Description:
GWA-36	Metals, TDS, Inorganic

Low-Flow Test Report:

Test Date / Time: 9/3/2020 10:00:50 AM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWA-36R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 79.56 ft Total Depth: 89.56 ft Initial Depth to Water: 34.41 m	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 84.56 ft Estimated Total Volume Pumped: 28080 ml Flow Cell Volume: 90 ml Final Flow Rate: 180 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Turbidity is not getting lower. Well needs to be redeveloped.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	
9/3/2020 10:00 AM	00:00	7.16 pH	19.98 °C	400.75 µS/cm	4.88 mg/L	9.98 NTU	103.4 mV	34.41 ft	180.00 ml/min
9/3/2020 10:04 AM	04:00	7.14 pH	19.76 °C	394.90 µS/cm	4.97 mg/L	12.40 NTU	76.5 mV	34.46 ft	180.00 ml/min
9/3/2020 10:08 AM	08:00	7.14 pH	19.80 °C	393.02 µS/cm	5.03 mg/L	13.30 NTU	70.4 mV	34.46 ft	180.00 ml/min
9/3/2020 10:12 AM	12:00	7.13 pH	20.94 °C	395.71 µS/cm	5.05 mg/L	17.60 NTU	67.4 mV	34.44 ft	180.00 ml/min
9/3/2020 10:16 AM	16:00	7.13 pH	21.72 °C	393.24 µS/cm	4.98 mg/L	14.80 NTU	64.3 mV	34.44 ft	180.00 ml/min
9/3/2020 10:20 AM	20:00	7.13 pH	21.99 °C	393.55 µS/cm	4.97 mg/L	29.20 NTU	63.0 mV	34.44 ft	180.00 ml/min
9/3/2020 10:24 AM	24:00	7.13 pH	22.15 °C	393.67 µS/cm	4.97 mg/L	33.70 NTU	61.6 mV	34.46 ft	180.00 ml/min
9/3/2020 10:28 AM	28:00	7.14 pH	19.78 °C	389.67 µS/cm	5.03 mg/L	34.70 NTU	58.7 mV	34.46 ft	180.00 ml/min
9/3/2020 10:32 AM	32:00	7.14 pH	19.51 °C	391.18 µS/cm	5.11 mg/L	30.08 NTU	57.6 mV	34.46 ft	180.00 ml/min
9/3/2020 10:36 AM	36:00	7.13 pH	19.49 °C	391.32 µS/cm	5.09 mg/L	28.60 NTU	56.8 mV	34.46 ft	180.00 ml/min
9/3/2020 10:40 AM	40:00	7.14 pH	19.42 °C	393.87 µS/cm	5.05 mg/L	27.60 NTU	55.1 mV	34.46 ft	180.00 ml/min
9/3/2020 10:44 AM	44:00	7.14 pH	19.47 °C	396.04 µS/cm	5.09 mg/L	29.70 NTU	54.7 mV	34.46 ft	180.00 ml/min
9/3/2020 10:48 AM	48:00	7.15 pH	19.56 °C	395.93 µS/cm	5.09 mg/L	26.50 NTU	53.9 mV	34.46 ft	180.00 ml/min
9/3/2020 10:52 AM	52:00	7.15 pH	19.66 °C	394.56 µS/cm	5.09 mg/L	46.00 NTU	53.4 mV	34.46 ft	180.00 ml/min
9/3/2020 10:56 AM	56:00	7.15 pH	20.56 °C	395.98 µS/cm	4.99 mg/L	43.40 NTU	52.9 mV	34.46 ft	180.00 ml/min

9/3/2020 11:00 AM	01:00:00	7.15 pH	20.56 °C	388.75 µS/cm	5.05 mg/L	44.50 NTU	52.9 mV	34.46 ft	180.00 ml/min
9/3/2020 11:04 AM	01:04:00	7.14 pH	20.18 °C	397.63 µS/cm	5.16 mg/L	36.80 NTU	51.8 mV	34.46 ft	180.00 ml/min
9/3/2020 11:08 AM	01:08:00	7.15 pH	20.22 °C	395.98 µS/cm	5.02 mg/L	51.40 NTU	51.5 mV	34.46 ft	180.00 ml/min
9/3/2020 11:12 AM	01:12:00	7.14 pH	20.34 °C	396.30 µS/cm	5.04 mg/L	44.90 NTU	51.7 mV	34.46 ft	180.00 ml/min
9/3/2020 11:16 AM	01:16:00	7.15 pH	19.96 °C	393.67 µS/cm	5.03 mg/L	40.60 NTU	51.5 mV	34.46 ft	180.00 ml/min
9/3/2020 11:20 AM	01:20:00	7.15 pH	20.11 °C	394.76 µS/cm	5.01 mg/L	48.60 NTU	50.8 mV	34.47 ft	180.00 ml/min
9/3/2020 11:24 AM	01:24:00	7.14 pH	20.16 °C	395.84 µS/cm	5.07 mg/L	47.50 NTU	51.1 mV	34.47 ft	180.00 ml/min
9/3/2020 11:28 AM	01:28:00	7.14 pH	20.21 °C	395.60 µS/cm	5.05 mg/L	41.00 NTU	51.2 mV	34.47 ft	180.00 ml/min
9/3/2020 11:32 AM	01:32:00	7.15 pH	20.21 °C	397.36 µS/cm	5.07 mg/L	48.00 NTU	50.5 mV	34.47 ft	180.00 ml/min
9/3/2020 11:36 AM	01:36:00	7.14 pH	19.81 °C	397.67 µS/cm	5.09 mg/L	39.40 NTU	50.7 mV	34.47 ft	180.00 ml/min
9/3/2020 11:40 AM	01:40:00	7.14 pH	19.51 °C	397.54 µS/cm	5.11 mg/L	40.80 NTU	50.6 mV	34.47 ft	180.00 ml/min
9/3/2020 11:44 AM	01:44:00	7.14 pH	19.51 °C	397.54 µS/cm	5.14 mg/L	33.20 NTU	49.8 mV	34.47 ft	180.00 ml/min
9/3/2020 11:48 AM	01:48:00	7.14 pH	20.19 °C	398.49 µS/cm	5.08 mg/L	35.80 NTU	49.6 mV	34.47 ft	180.00 ml/min
9/3/2020 11:52 AM	01:52:00	7.15 pH	20.38 °C	397.92 µS/cm	5.04 mg/L	35.10 NTU	49.6 mV	34.47 ft	180.00 ml/min
9/3/2020 11:56 AM	01:56:00	7.15 pH	20.38 °C	397.10 µS/cm	5.08 mg/L	36.70 NTU	49.8 mV	34.47 ft	180.00 ml/min
9/3/2020 12:00 PM	02:00:00	7.15 pH	20.43 °C	395.05 µS/cm	5.08 mg/L	49.50 NTU	48.9 mV	34.47 ft	180.00 ml/min
9/3/2020 12:04 PM	02:04:00	7.14 pH	20.56 °C	398.28 µS/cm	5.10 mg/L	55.00 NTU	49.4 mV	34.47 ft	180.00 ml/min
9/3/2020 12:08 PM	02:08:00	7.14 pH	20.77 °C	397.91 µS/cm	5.12 mg/L	48.00 NTU	49.4 mV	34.47 ft	180.00 ml/min
9/3/2020 12:12 PM	02:12:00	7.14 pH	20.74 °C	401.93 µS/cm	5.09 mg/L	46.00 NTU	48.9 mV	34.47 ft	180.00 ml/min
9/3/2020 12:16 PM	02:16:00	7.15 pH	20.66 °C	400.35 µS/cm	5.08 mg/L	50.90 NTU	48.8 mV	34.47 ft	180.00 ml/min
9/3/2020 12:20 PM	02:20:00	7.15 pH	20.29 °C	402.54 µS/cm	5.06 mg/L	50.60 NTU	49.0 mV	34.47 ft	180.00 ml/min
9/3/2020 12:24 PM	02:24:00	7.12 pH	20.65 °C	401.47 µS/cm	5.07 mg/L	47.30 NTU	49.5 mV	34.47 ft	180.00 ml/min
9/3/2020 12:28 PM	02:28:00	7.14 pH	20.77 °C	399.07 µS/cm	5.08 mg/L	44.70 NTU	48.6 mV	34.47 ft	180.00 ml/min
9/3/2020 12:32 PM	02:32:00	7.13 pH	20.87 °C	400.69 µS/cm	5.05 mg/L	46.30 NTU	49.1 mV	34.47 ft	180.00 ml/min
9/3/2020 12:36 PM	02:36:00	7.14 pH	20.92 °C	402.23 µS/cm	5.07 mg/L	44.20 NTU	49.1 mV	34.47 ft	180.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/10/2020 11:49:34 AM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWA-36R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 79.56 ft Total Depth: 89.56 ft Initial Depth to Water: 33.72 ft	Pump Type: QED Reclaimer Tubing Type: LDPE Pump Intake From TOC: 84.56 ft Estimated Total Volume Pumped: 57600 ml Flow Cell Volume: 90 ml Final Flow Rate: 225 ml/min	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Redevelopment of GWA-36R

Prepurged 30 liters

Turb settled around 17 NTU

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/10/2020 11:49 AM	00:00	7.16 pH	20.25 °C	298.11 µS/cm	8.10 mg/L	928.00 NTU	55.3 mV	33.72 ft	0.14 PSU	225.00 ml/min
9/10/2020 11:53 AM	04:00	7.14 pH	20.22 °C	295.76 µS/cm	8.30 mg/L	872.00 NTU	53.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 11:57 AM	08:00	7.15 pH	19.92 °C	294.11 µS/cm	8.29 mg/L	772.00 NTU	52.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:01 PM	12:00	7.15 pH	19.80 °C	294.38 µS/cm	8.24 mg/L	638.00 NTU	51.0 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:05 PM	16:00	7.16 pH	19.62 °C	294.22 µS/cm	8.26 mg/L	172.00 NTU	50.4 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:09 PM	20:00	7.15 pH	20.16 °C	296.24 µS/cm	8.41 mg/L	608.00 NTU	49.8 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:13 PM	24:00	7.15 pH	20.71 °C	294.04 µS/cm	8.20 mg/L	131.00 NTU	49.4 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:17 PM	28:00	7.15 pH	20.20 °C	293.90 µS/cm	8.17 mg/L	124.00 NTU	49.2 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:21 PM	32:00	7.14 pH	20.65 °C	295.82 µS/cm	8.11 mg/L	92.00 NTU	48.6 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:25 PM	36:00	7.15 pH	21.09 °C	294.59 µS/cm	8.02 mg/L	92.00 NTU	48.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:29 PM	40:00	7.14 pH	20.69 °C	294.51 µS/cm	7.90 mg/L	80.00 NTU	48.4 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:33 PM	44:00	7.14 pH	20.54 °C	297.03 µS/cm	7.93 mg/L	54.00 NTU	48.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:37 PM	48:00	7.14 pH	20.69 °C	295.27 µS/cm	7.79 mg/L	67.00 NTU	48.0 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:41 PM	52:00	7.13 pH	20.78 °C	296.13 µS/cm	7.65 mg/L	58.00 NTU	48.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:45 PM	56:00	7.13 pH	21.16 °C	296.31 µS/cm	7.60 mg/L	54.00 NTU	47.4 mV	33.92 ft	0.14 PSU	225.00 ml/min

9/10/2020 12:49 PM	01:00:00	7.13 pH	20.73 °C	295.56 µS/cm	7.67 mg/L	50.00 NTU	47.7 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:53 PM	01:04:00	7.13 pH	20.42 °C	295.03 µS/cm	7.58 mg/L	46.20 NTU	47.5 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 12:57 PM	01:08:00	7.13 pH	20.51 °C	295.63 µS/cm	7.42 mg/L	56.40 NTU	47.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:01 PM	01:12:00	7.13 pH	20.20 °C	293.12 µS/cm	7.42 mg/L	55.50 NTU	47.4 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:05 PM	01:16:00	7.11 pH	20.92 °C	297.25 µS/cm	7.40 mg/L	52.90 NTU	47.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:09 PM	01:20:00	7.14 pH	21.16 °C	293.65 µS/cm	7.18 mg/L	46.60 NTU	46.6 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:13 PM	01:24:00	7.12 pH	20.43 °C	293.34 µS/cm	7.18 mg/L	41.80 NTU	47.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:17 PM	01:28:00	7.12 pH	20.34 °C	293.69 µS/cm	7.16 mg/L	45.20 NTU	46.8 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:21 PM	01:32:00	7.11 pH	21.31 °C	295.82 µS/cm	7.19 mg/L	39.40 NTU	46.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:25 PM	01:36:00	7.12 pH	21.03 °C	292.64 µS/cm	7.09 mg/L	39.70 NTU	46.4 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:29 PM	01:40:00	7.12 pH	21.18 °C	293.76 µS/cm	7.12 mg/L	37.90 NTU	46.4 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:33 PM	01:44:00	7.11 pH	21.27 °C	294.46 µS/cm	7.04 mg/L	35.80 NTU	46.2 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:37 PM	01:48:00	7.10 pH	21.54 °C	293.30 µS/cm	6.98 mg/L	33.00 NTU	46.8 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:41 PM	01:52:00	7.11 pH	21.45 °C	294.06 µS/cm	6.89 mg/L	31.80 NTU	46.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:45 PM	01:56:00	7.11 pH	20.97 °C	295.72 µS/cm	6.90 mg/L	30.20 NTU	46.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:49 PM	02:00:00	7.10 pH	20.58 °C	296.04 µS/cm	6.83 mg/L	29.60 NTU	46.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:53 PM	02:04:00	7.10 pH	20.36 °C	295.23 µS/cm	6.91 mg/L	27.50 NTU	46.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 1:57 PM	02:08:00	7.11 pH	20.80 °C	295.64 µS/cm	6.82 mg/L	29.30 NTU	45.7 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:01 PM	02:12:00	7.11 pH	20.49 °C	294.31 µS/cm	6.82 mg/L	29.10 NTU	46.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:05 PM	02:16:00	7.09 pH	20.29 °C	293.74 µS/cm	6.78 mg/L	29.60 NTU	46.8 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:09 PM	02:20:00	7.10 pH	20.15 °C	293.67 µS/cm	6.78 mg/L	25.80 NTU	46.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:13 PM	02:24:00	7.10 pH	20.16 °C	293.69 µS/cm	6.77 mg/L	28.70 NTU	46.6 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:17 PM	02:28:00	7.08 pH	20.16 °C	293.05 µS/cm	6.73 mg/L	25.30 NTU	46.8 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:21 PM	02:32:00	7.10 pH	20.43 °C	295.08 µS/cm	6.76 mg/L	26.60 NTU	45.8 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:25 PM	02:36:00	7.10 pH	20.47 °C	296.53 µS/cm	6.61 mg/L	25.10 NTU	45.7 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:29 PM	02:40:00	7.11 pH	20.98 °C	295.15 µS/cm	6.60 mg/L	23.40 NTU	45.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:33 PM	02:44:00	7.09 pH	20.87 °C	293.17 µS/cm	6.68 mg/L	23.30 NTU	45.8 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:37 PM	02:48:00	7.10 pH	20.39 °C	294.22 µS/cm	6.48 mg/L	21.40 NTU	45.9 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:41 PM	02:52:00	7.10 pH	20.11 °C	296.00 µS/cm	6.53 mg/L	19.20 NTU	45.6 mV	33.92 ft	0.14 PSU	225.00 ml/min

9/10/2020 2:45 PM	02:56:00	7.10 pH	20.11 °C	292.78 µS/cm	6.50 mg/L	22.10 NTU	45.7 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:49 PM	03:00:00	7.10 pH	20.07 °C	293.83 µS/cm	6.41 mg/L	19.80 NTU	45.5 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:53 PM	03:04:00	7.10 pH	20.11 °C	295.36 µS/cm	6.36 mg/L	19.90 NTU	45.6 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 2:57 PM	03:08:00	7.09 pH	20.78 °C	294.11 µS/cm	6.37 mg/L	18.60 NTU	45.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:01 PM	03:12:00	7.10 pH	20.78 °C	292.37 µS/cm	6.30 mg/L	19.20 NTU	45.5 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:05 PM	03:16:00	7.09 pH	20.25 °C	294.00 µS/cm	6.28 mg/L	15.80 NTU	45.6 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:09 PM	03:20:00	7.10 pH	20.05 °C	293.71 µS/cm	6.40 mg/L	19.50 NTU	45.4 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:13 PM	03:24:00	7.10 pH	19.80 °C	292.56 µS/cm	6.43 mg/L	18.30 NTU	45.6 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:17 PM	03:28:00	7.10 pH	19.62 °C	292.57 µS/cm	6.41 mg/L	17.60 NTU	45.7 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:21 PM	03:32:00	7.09 pH	19.50 °C	294.06 µS/cm	6.38 mg/L	16.30 NTU	45.6 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:25 PM	03:36:00	7.10 pH	19.54 °C	293.97 µS/cm	6.39 mg/L	17.10 NTU	45.5 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:29 PM	03:40:00	7.10 pH	19.89 °C	293.75 µS/cm	6.40 mg/L	17.30 NTU	44.7 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:33 PM	03:44:00	7.10 pH	21.33 °C	296.09 µS/cm	6.37 mg/L	16.70 NTU	44.0 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:37 PM	03:48:00	7.09 pH	21.11 °C	295.69 µS/cm	6.29 mg/L	16.20 NTU	44.9 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:41 PM	03:52:00	7.08 pH	21.11 °C	295.31 µS/cm	6.24 mg/L	15.80 NTU	44.6 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:45 PM	03:56:00	7.10 pH	21.18 °C	294.95 µS/cm	6.25 mg/L	17.70 NTU	44.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:49 PM	04:00:00	7.09 pH	21.05 °C	294.09 µS/cm	6.19 mg/L	17.20 NTU	44.7 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:53 PM	04:04:00	7.09 pH	20.87 °C	295.97 µS/cm	6.29 mg/L	17.60 NTU	45.0 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 3:57 PM	04:08:00	7.09 pH	19.30 °C	290.65 µS/cm	6.50 mg/L	17.50 NTU	46.3 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 4:01 PM	04:12:00	7.10 pH	18.78 °C	295.05 µS/cm	6.63 mg/L	17.80 NTU	46.1 mV	33.92 ft	0.14 PSU	225.00 ml/min
9/10/2020 4:05 PM	04:16:00	7.11 pH	20.63 °C	299.72 µS/cm	6.95 mg/L	17.20 NTU	43.7 mV	33.92 ft	0.14 PSU	225.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/14/2020 10:48:16 AM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

Location Name: GWA-36R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 79.56 ft Total Depth: 89.56 ft Initial Depth to Water: 34.78 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 84.56 ft Estimated Total Volume Pumped: 19440 ml Flow Cell Volume: 90 ml Final Flow Rate: 180 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Pre-purged 11 liter.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/14/2020 10:48 AM	00:00	7.09 pH	19.50 °C	299.78 µS/cm	5.52 mg/L	27.40 NTU	61.2 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 10:52 AM	04:00	7.10 pH	19.46 °C	300.03 µS/cm	5.51 mg/L	23.00 NTU	47.3 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 10:56 AM	08:00	7.10 pH	19.46 °C	299.73 µS/cm	5.43 mg/L	20.90 NTU	44.4 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:00 AM	12:00	7.10 pH	19.41 °C	298.50 µS/cm	5.38 mg/L	19.30 NTU	43.2 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:04 AM	16:00	7.10 pH	19.49 °C	298.05 µS/cm	5.42 mg/L	18.70 NTU	42.5 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:08 AM	20:00	7.10 pH	19.49 °C	297.09 µS/cm	5.39 mg/L	17.90 NTU	42.0 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:12 AM	24:00	7.10 pH	19.50 °C	297.39 µS/cm	5.40 mg/L	15.10 NTU	41.1 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:16 AM	28:00	7.10 pH	19.50 °C	296.40 µS/cm	5.38 mg/L	14.10 NTU	40.8 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:20 AM	32:00	7.11 pH	19.50 °C	293.54 µS/cm	5.38 mg/L	13.90 NTU	40.1 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:24 AM	36:00	7.10 pH	19.59 °C	294.21 µS/cm	5.33 mg/L	12.30 NTU	40.3 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:28 AM	40:00	7.10 pH	19.59 °C	292.05 µS/cm	5.36 mg/L	11.70 NTU	39.9 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:32 AM	44:00	7.11 pH	19.74 °C	297.04 µS/cm	5.40 mg/L	11.50 NTU	39.5 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:36 AM	48:00	7.10 pH	19.85 °C	296.35 µS/cm	5.38 mg/L	13.80 NTU	39.3 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:40 AM	52:00	7.11 pH	19.82 °C	295.91 µS/cm	5.34 mg/L	12.90 NTU	39.0 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:44 AM	56:00	7.10 pH	19.77 °C	296.25 µS/cm	5.38 mg/L	11.60 NTU	38.7 mV	34.78 ft	0.14 PSU	180.00 ml/min

9/14/2020 11:48 AM	01:00:00	7.11 pH	19.86 °C	295.19 µS/cm	5.36 mg/L	8.94 NTU	38.4 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:52 AM	01:04:00	7.10 pH	19.82 °C	295.59 µS/cm	5.33 mg/L	8.41 NTU	38.7 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 11:56 AM	01:08:00	7.10 pH	19.86 °C	295.52 µS/cm	5.34 mg/L	8.65 NTU	38.6 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:00 PM	01:12:00	7.10 pH	19.82 °C	293.96 µS/cm	5.27 mg/L	7.68 NTU	38.5 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:04 PM	01:16:00	7.10 pH	19.79 °C	293.21 µS/cm	5.29 mg/L	7.66 NTU	38.4 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:08 PM	01:20:00	7.11 pH	19.78 °C	293.19 µS/cm	5.28 mg/L	6.99 NTU	38.2 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:12 PM	01:24:00	7.10 pH	19.92 °C	292.44 µS/cm	5.30 mg/L	6.77 NTU	38.1 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:16 PM	01:28:00	7.10 pH	19.86 °C	291.26 µS/cm	5.29 mg/L	6.31 NTU	38.1 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:20 PM	01:32:00	7.10 pH	19.95 °C	290.98 µS/cm	5.30 mg/L	5.91 NTU	38.2 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:24 PM	01:36:00	7.10 pH	19.90 °C	291.07 µS/cm	5.31 mg/L	5.61 NTU	38.0 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:28 PM	01:40:00	7.10 pH	19.82 °C	289.83 µS/cm	5.24 mg/L	4.98 NTU	38.2 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:32 PM	01:44:00	7.10 pH	19.78 °C	289.72 µS/cm	5.25 mg/L	4.74 NTU	38.1 mV	34.78 ft	0.14 PSU	180.00 ml/min
9/14/2020 12:36 PM	01:48:00	7.10 pH	19.79 °C	289.96 µS/cm	5.24 mg/L	4.88 NTU	38.2 mV	34.78 ft	0.14 PSU	180.00 ml/min

Samples

Sample ID:	Description:
GWA-36R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/3/2020 2:17:15 PM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

<p>Location Name: GWA-37 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.53 ft Total Depth: 107.53 ft Initial Depth to Water: 51.42 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 102.53 ft Estimated Total Volume Pumped: 12160 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 17.31 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728634</p>
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Test Notes:

Prepurged 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/3/2020 2:17 PM	00:00	5.22 pH	20.25 °C	30.08 µS/cm	3.47 mg/L	3.18 NTU	78.8 mV	51.42 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:21 PM	04:00	5.07 pH	19.40 °C	26.08 µS/cm	5.73 mg/L	2.99 NTU	82.0 mV	55.55 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:25 PM	08:00	5.00 pH	19.23 °C	24.52 µS/cm	6.31 mg/L	0.88 NTU	89.9 mV	57.64 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:29 PM	12:00	4.99 pH	19.28 °C	24.35 µS/cm	6.26 mg/L	2.35 NTU	95.2 mV	59.13 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:33 PM	16:00	5.01 pH	19.65 °C	24.47 µS/cm	6.00 mg/L	2.11 NTU	98.3 mV	60.53 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:37 PM	20:00	5.04 pH	20.12 °C	24.77 µS/cm	5.84 mg/L	0.78 NTU	101.0 mV	61.34 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:41 PM	24:00	5.05 pH	20.52 °C	25.08 µS/cm	5.65 mg/L	0.96 NTU	103.2 mV	61.99 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:45 PM	28:00	5.07 pH	20.56 °C	25.55 µS/cm	5.55 mg/L	1.13 NTU	104.1 mV	62.89 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:49 PM	32:00	5.06 pH	20.47 °C	25.79 µS/cm	5.42 mg/L	1.55 NTU	107.2 mV	63.78 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:53 PM	36:00	5.09 pH	20.65 °C	26.16 µS/cm	5.34 mg/L	1.48 NTU	108.6 mV	64.56 ft	0.01 PSU	160.00 ml/min
9/3/2020 2:57 PM	40:00	5.10 pH	20.47 °C	26.30 µS/cm	5.32 mg/L	1.64 NTU	114.9 mV	65.13 ft	0.01 PSU	160.00 ml/min
9/3/2020 3:01 PM	44:00	5.11 pH	20.47 °C	26.55 µS/cm	5.31 mg/L	1.44 NTU	114.9 mV	65.81 ft	0.01 PSU	160.00 ml/min
9/3/2020 3:05 PM	48:00	5.10 pH	20.31 °C	26.57 µS/cm	5.31 mg/L	2.44 NTU	116.6 mV	66.43 ft	0.01 PSU	160.00 ml/min
9/3/2020 3:09 PM	52:00	5.09 pH	20.06 °C	26.82 µS/cm	5.30 mg/L	1.76 NTU	118.1 mV	67.18 ft	0.01 PSU	160.00 ml/min
9/3/2020 3:13 PM	56:00	5.12 pH	20.42 °C	26.92 µS/cm	5.29 mg/L	2.71 NTU	117.3 mV	67.79 ft	0.01 PSU	160.00 ml/min

9/3/2020 3:17 PM	01:00:00	5.13 pH	20.87 °C	27.12 µS/cm	5.20 mg/L	1.62 NTU	119.3 mV	68.27 ft	0.01 PSU	160.00 ml/min
9/3/2020 3:21 PM	01:04:00	5.13 pH	21.70 °C	27.27 µS/cm	5.12 mg/L	1.88 NTU	120.5 mV	68.49 ft	0.01 PSU	160.00 ml/min
9/3/2020 3:25 PM	01:08:00	5.14 pH	22.67 °C	27.60 µS/cm	5.00 mg/L	0.95 NTU	121.6 mV	68.58 ft	0.01 PSU	160.00 ml/min
9/3/2020 3:29 PM	01:12:00	5.16 pH	23.11 °C	27.74 µS/cm	5.01 mg/L	1.36 NTU	121.2 mV	68.67 ft	0.01 PSU	160.00 ml/min
9/3/2020 3:33 PM	01:16:00	5.17 pH	23.40 °C	28.15 µS/cm	5.04 mg/L	0.77 NTU	122.1 mV	68.73 ft	0.01 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWA-37	Metals, TDS, Inorganic

Low-Flow Test Report:

Test Date / Time: 9/3/2020 2:28:11 PM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

Location Name: GWA-38 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 59.35 ft Total Depth: 69.35 ft Initial Depth to Water: 52.31 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 64.35 ft Estimated Total Volume Pumped: 2200 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 1.28 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/3/2020 2:28 PM	00:00	5.52 pH	24.63 °C	36.78 µS/cm	6.98 mg/L	0.60 NTU	42.0 mV	53.21 ft	0.02 PSU	110.00 ml/min
9/3/2020 2:32 PM	04:00	5.40 pH	24.51 °C	35.62 µS/cm	6.84 mg/L	0.79 NTU	37.7 mV	53.30 ft	0.02 PSU	110.00 ml/min
9/3/2020 2:36 PM	08:00	5.36 pH	23.55 °C	34.49 µS/cm	6.73 mg/L	0.54 NTU	37.1 mV	53.35 ft	0.01 PSU	110.00 ml/min
9/3/2020 2:40 PM	12:00	5.34 pH	23.82 °C	34.19 µS/cm	6.73 mg/L	0.53 NTU	37.2 mV	53.43 ft	0.01 PSU	110.00 ml/min
9/3/2020 2:44 PM	16:00	5.33 pH	24.24 °C	33.88 µS/cm	6.56 mg/L	0.40 NTU	37.5 mV	53.51 ft	0.01 PSU	110.00 ml/min
9/3/2020 2:48 PM	20:00	5.31 pH	24.33 °C	32.94 µS/cm	6.48 mg/L	0.50 NTU	38.0 mV	53.59 ft	0.01 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-38	Metals, TDS, Inorganics
Dup-1	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/14/2020 10:32:00 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWA-39RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.07 ft Total Depth: 140.07 ft Initial Depth to Water: 65.16 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 135.07 ft Estimated Total Volume Pumped: 29000 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 29.51 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 2L

Well has major drawdown and turbidity issues. Ran out of time. Will set back up on well on 9/15/20.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/14/2020 10:32 AM	00:00	7.51 pH	19.57 °C	321.43 µS/cm	1.00 mg/L	13.40 NTU	-6.6 mV	67.55 ft	0.15 PSU	110.00 ml/min
9/14/2020 10:36 AM	04:00	7.53 pH	19.66 °C	323.94 µS/cm	0.87 mg/L	13.10 NTU	-11.1 mV	67.81 ft	0.16 PSU	110.00 ml/min
9/14/2020 10:40 AM	08:00	7.54 pH	19.57 °C	322.22 µS/cm	0.76 mg/L	13.20 NTU	-15.6 mV	68.29 ft	0.16 PSU	110.00 ml/min
9/14/2020 10:44 AM	12:00	7.54 pH	19.57 °C	321.08 µS/cm	0.68 mg/L	9.99 NTU	-18.3 mV	68.73 ft	0.15 PSU	110.00 ml/min
9/14/2020 10:48 AM	16:00	7.54 pH	19.69 °C	320.77 µS/cm	0.62 mg/L	9.25 NTU	-20.8 mV	69.21 ft	0.15 PSU	110.00 ml/min
9/14/2020 10:52 AM	20:00	7.54 pH	19.53 °C	320.50 µS/cm	0.57 mg/L	8.62 NTU	-21.7 mV	69.60 ft	0.15 PSU	110.00 ml/min
9/14/2020 10:56 AM	24:00	7.54 pH	19.48 °C	318.57 µS/cm	0.53 mg/L	7.98 NTU	-20.1 mV	70.01 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:00 AM	28:00	7.52 pH	19.61 °C	317.89 µS/cm	0.50 mg/L	7.42 NTU	-20.3 mV	70.45 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:04 AM	32:00	7.50 pH	19.53 °C	316.85 µS/cm	0.48 mg/L	7.16 NTU	-19.7 mV	70.85 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:08 AM	36:00	7.49 pH	19.57 °C	316.31 µS/cm	0.45 mg/L	6.88 NTU	-19.6 mV	71.27 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:12 AM	40:00	7.48 pH	19.57 °C	315.97 µS/cm	0.42 mg/L	6.89 NTU	-19.1 mV	71.75 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:16 AM	44:00	7.47 pH	19.86 °C	316.59 µS/cm	0.41 mg/L	7.25 NTU	-19.9 mV	72.03 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:20 AM	48:00	7.46 pH	19.70 °C	314.58 µS/cm	0.38 mg/L	6.40 NTU	-17.6 mV	72.42 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:24 AM	52:00	7.45 pH	19.54 °C	315.13 µS/cm	0.37 mg/L	7.14 NTU	-17.5 mV	72.80 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:28 AM	56:00	7.45 pH	19.79 °C	314.62 µS/cm	0.37 mg/L	6.97 NTU	-16.8 mV	73.17 ft	0.15 PSU	110.00 ml/min

9/14/2020 11:32 AM	01:00:00	7.45 pH	19.83 °C	314.59 µS/cm	0.37 mg/L	6.84 NTU	-15.1 mV	73.57 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:36 AM	01:04:00	7.44 pH	20.19 °C	312.32 µS/cm	0.38 mg/L	6.84 NTU	-13.5 mV	73.93 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:40 AM	01:08:00	7.41 pH	20.03 °C	310.31 µS/cm	0.40 mg/L	7.36 NTU	-9.1 mV	74.30 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:44 AM	01:12:00	7.39 pH	19.97 °C	310.56 µS/cm	0.42 mg/L	8.14 NTU	-7.1 mV	74.65 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:48 AM	01:16:00	7.39 pH	20.21 °C	309.75 µS/cm	0.47 mg/L	7.85 NTU	-6.1 mV	75.00 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:52 AM	01:20:00	7.38 pH	20.07 °C	308.48 µS/cm	0.51 mg/L	7.85 NTU	-4.7 mV	75.35 ft	0.15 PSU	110.00 ml/min
9/14/2020 11:56 AM	01:24:00	7.37 pH	19.96 °C	306.86 µS/cm	0.54 mg/L	8.52 NTU	-2.2 mV	75.70 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:00 PM	01:28:00	7.36 pH	19.89 °C	306.53 µS/cm	0.56 mg/L	9.07 NTU	-0.6 mV	76.06 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:04 PM	01:32:00	7.36 pH	19.75 °C	306.16 µS/cm	0.55 mg/L	10.18 NTU	0.5 mV	76.40 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:08 PM	01:36:00	7.35 pH	19.72 °C	305.58 µS/cm	0.56 mg/L	9.00 NTU	2.0 mV	76.73 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:12 PM	01:40:00	7.35 pH	19.97 °C	304.44 µS/cm	0.59 mg/L	9.84 NTU	2.8 mV	77.07 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:16 PM	01:44:00	7.34 pH	20.05 °C	305.18 µS/cm	0.62 mg/L	8.96 NTU	4.1 mV	77.45 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:20 PM	01:48:00	7.34 pH	19.97 °C	304.57 µS/cm	0.61 mg/L	8.96 NTU	4.9 mV	77.75 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:24 PM	01:52:00	7.34 pH	19.93 °C	303.98 µS/cm	0.62 mg/L	9.23 NTU	5.5 mV	78.20 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:28 PM	01:56:00	7.34 pH	19.91 °C	304.89 µS/cm	0.66 mg/L	9.28 NTU	6.4 mV	78.50 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:32 PM	02:00:00	7.34 pH	20.06 °C	303.37 µS/cm	0.69 mg/L	9.49 NTU	6.9 mV	78.82 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:36 PM	02:04:00	7.34 pH	20.02 °C	303.99 µS/cm	0.71 mg/L	9.18 NTU	7.4 mV	79.15 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:40 PM	02:08:00	7.34 pH	20.06 °C	304.15 µS/cm	0.70 mg/L	9.25 NTU	7.5 mV	79.46 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:44 PM	02:12:00	7.34 pH	20.29 °C	304.76 µS/cm	0.73 mg/L	9.12 NTU	7.9 mV	79.78 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:48 PM	02:16:00	7.34 pH	20.24 °C	304.79 µS/cm	0.74 mg/L	9.81 NTU	8.3 mV	80.10 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:52 PM	02:20:00	7.34 pH	20.15 °C	304.05 µS/cm	0.74 mg/L	9.06 NTU	9.2 mV	80.40 ft	0.15 PSU	110.00 ml/min
9/14/2020 12:56 PM	02:24:00	7.35 pH	20.03 °C	302.73 µS/cm	0.77 mg/L	9.24 NTU	10.2 mV	80.75 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:00 PM	02:28:00	7.34 pH	20.03 °C	303.34 µS/cm	0.76 mg/L	8.86 NTU	10.6 mV	81.09 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:04 PM	02:32:00	7.34 pH	20.12 °C	304.06 µS/cm	0.80 mg/L	9.03 NTU	10.9 mV	81.42 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:08 PM	02:36:00	7.34 pH	20.24 °C	303.07 µS/cm	0.79 mg/L	8.44 NTU	11.4 mV	81.76 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:12 PM	02:40:00	7.34 pH	20.06 °C	302.63 µS/cm	0.79 mg/L	8.86 NTU	11.8 mV	82.10 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:16 PM	02:44:00	7.34 pH	20.24 °C	302.86 µS/cm	0.80 mg/L	8.74 NTU	12.3 mV	82.45 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:20 PM	02:48:00	7.34 pH	20.15 °C	302.97 µS/cm	0.83 mg/L	8.95 NTU	12.6 mV	82.75 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:24 PM	02:52:00	7.34 pH	20.06 °C	302.57 µS/cm	0.82 mg/L	11.10 NTU	12.9 mV	83.10 ft	0.15 PSU	110.00 ml/min

9/14/2020 1:28 PM	02:56:00	7.34 pH	20.20 °C	303.02 µS/cm	0.84 mg/L	8.64 NTU	13.3 mV	83.45 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:32 PM	03:00:00	7.34 pH	20.42 °C	302.86 µS/cm	0.86 mg/L	8.67 NTU	13.6 mV	83.80 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:36 PM	03:04:00	7.34 pH	20.34 °C	302.70 µS/cm	0.87 mg/L	7.97 NTU	14.2 mV	84.12 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:40 PM	03:08:00	7.34 pH	20.46 °C	301.82 µS/cm	0.88 mg/L	8.76 NTU	14.2 mV	84.46 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:44 PM	03:12:00	7.34 pH	20.28 °C	302.91 µS/cm	0.91 mg/L	8.76 NTU	14.6 mV	84.80 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:48 PM	03:16:00	7.34 pH	20.43 °C	302.26 µS/cm	0.90 mg/L	8.51 NTU	14.8 mV	85.11 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:52 PM	03:20:00	7.34 pH	20.66 °C	302.37 µS/cm	0.94 mg/L	8.11 NTU	14.7 mV	85.45 ft	0.15 PSU	110.00 ml/min
9/14/2020 1:56 PM	03:24:00	7.34 pH	21.08 °C	304.23 µS/cm	0.92 mg/L	8.12 NTU	14.3 mV	85.78 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:00 PM	03:28:00	7.34 pH	21.13 °C	302.39 µS/cm	0.91 mg/L	8.31 NTU	15.0 mV	86.10 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:04 PM	03:32:00	7.34 pH	21.00 °C	301.20 µS/cm	0.90 mg/L	8.45 NTU	15.2 mV	86.37 ft	0.14 PSU	110.00 ml/min
9/14/2020 2:08 PM	03:36:00	7.35 pH	20.91 °C	301.80 µS/cm	0.98 mg/L	8.20 NTU	15.3 mV	86.65 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:12 PM	03:40:00	7.35 pH	20.86 °C	303.53 µS/cm	0.97 mg/L	7.76 NTU	15.7 mV	86.95 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:16 PM	03:44:00	7.35 pH	21.51 °C	302.52 µS/cm	1.05 mg/L	7.94 NTU	15.3 mV	87.22 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:20 PM	03:48:00	7.36 pH	21.31 °C	302.32 µS/cm	1.08 mg/L	7.76 NTU	15.8 mV	87.52 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:24 PM	03:52:00	7.36 pH	21.31 °C	301.46 µS/cm	1.08 mg/L	7.63 NTU	16.2 mV	87.77 ft	0.14 PSU	110.00 ml/min
9/14/2020 2:28 PM	03:56:00	7.36 pH	21.32 °C	302.21 µS/cm	1.09 mg/L	7.04 NTU	16.1 mV	88.06 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:32 PM	04:00:00	7.36 pH	21.36 °C	300.37 µS/cm	1.08 mg/L	7.28 NTU	16.3 mV	88.33 ft	0.14 PSU	110.00 ml/min
9/14/2020 2:36 PM	04:04:00	7.36 pH	21.00 °C	300.17 µS/cm	1.07 mg/L	7.45 NTU	17.0 mV	88.61 ft	0.14 PSU	110.00 ml/min
9/14/2020 2:40 PM	04:08:00	7.36 pH	21.04 °C	301.60 µS/cm	1.11 mg/L	8.61 NTU	16.9 mV	88.90 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:44 PM	04:12:00	7.36 pH	21.09 °C	300.41 µS/cm	1.15 mg/L	7.52 NTU	17.2 mV	89.20 ft	0.14 PSU	110.00 ml/min
9/14/2020 2:48 PM	04:16:00	7.36 pH	20.98 °C	303.02 µS/cm	1.15 mg/L	7.31 NTU	17.2 mV	89.45 ft	0.15 PSU	110.00 ml/min
9/14/2020 2:52 PM	04:20:00	7.36 pH	21.11 °C	301.08 µS/cm	1.16 mg/L	7.37 NTU	17.4 mV	89.72 ft	0.14 PSU	110.00 ml/min
9/14/2020 2:56 PM	04:24:00	7.37 pH	21.13 °C	301.09 µS/cm	1.20 mg/L	7.59 NTU	17.4 mV	90.01 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:00 PM	04:28:00	7.37 pH	21.04 °C	300.86 µS/cm	1.18 mg/L	7.31 NTU	17.6 mV	90.32 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:04 PM	04:32:00	7.37 pH	21.10 °C	301.54 µS/cm	1.18 mg/L	7.13 NTU	17.6 mV	90.60 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:08 PM	04:36:00	7.37 pH	20.91 °C	300.47 µS/cm	1.16 mg/L	7.19 NTU	17.9 mV	90.85 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:12 PM	04:40:00	7.37 pH	20.82 °C	301.52 µS/cm	1.18 mg/L	7.33 NTU	17.9 mV	91.12 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:16 PM	04:44:00	7.36 pH	20.93 °C	301.13 µS/cm	1.18 mg/L	7.23 NTU	17.9 mV	91.40 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:20 PM	04:48:00	7.37 pH	20.68 °C	300.34 µS/cm	1.19 mg/L	7.54 NTU	18.1 mV	91.70 ft	0.14 PSU	110.00 ml/min

9/14/2020 3:24 PM	04:52:00	7.37 pH	20.47 °C	300.37 µS/cm	1.28 mg/L	7.23 NTU	18.5 mV	92.00 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:28 PM	04:56:00	7.37 pH	20.59 °C	299.84 µS/cm	1.30 mg/L	7.16 NTU	18.6 mV	92.24 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:32 PM	05:00:00	7.37 pH	20.46 °C	301.52 µS/cm	1.27 mg/L	7.03 NTU	18.4 mV	92.52 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:36 PM	05:04:00	7.38 pH	20.46 °C	300.56 µS/cm	1.31 mg/L	7.13 NTU	18.6 mV	92.78 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:40 PM	05:08:00	7.38 pH	20.43 °C	300.43 µS/cm	1.29 mg/L	6.80 NTU	18.6 mV	93.06 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:44 PM	05:12:00	7.38 pH	20.32 °C	300.98 µS/cm	1.30 mg/L	6.80 NTU	18.7 mV	93.32 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:48 PM	05:16:00	7.38 pH	20.82 °C	301.46 µS/cm	1.30 mg/L	6.81 NTU	18.2 mV	93.60 ft	0.14 PSU	110.00 ml/min
9/14/2020 3:52 PM	05:20:00	7.38 pH	20.64 °C	301.61 µS/cm	1.36 mg/L	10.13 NTU	18.3 mV	93.90 ft	0.15 PSU	110.00 ml/min
9/14/2020 3:56 PM	05:24:00	7.37 pH	20.64 °C	301.16 µS/cm	1.38 mg/L	11.03 NTU	18.5 mV	94.01 ft	0.14 PSU	110.00 ml/min
9/14/2020 4:00 PM	05:28:00	7.37 pH	21.04 °C	302.28 µS/cm	1.41 mg/L	11.03 NTU	18.3 mV	94.33 ft	0.15 PSU	110.00 ml/min
9/14/2020 4:04 PM	05:32:00	7.38 pH	21.04 °C	301.06 µS/cm	1.41 mg/L	11.10 NTU	18.3 mV	94.67 ft	0.14 PSU	110.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/15/2020 9:35:59 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWA-39RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.07 ft Total Depth: 140.07 ft Initial Depth to Water: 68.17 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 135.07 ft Estimated Total Volume Pumped: 58000 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 62.43 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Continuation from 9/14/20.

Prepurged 3L

Still have drawdown and turbidity issues. Dropped pump rate to 130 ml/ min at 2hr 48 min. Of purging. Did not stabilize drawdown or turbidity. Turbidity appears to increase with depth of drawdown. Increased pump rate to 175 ml/min at 3hr 40 min of purging and increased at 4hr 30 min of purging to 225 ml/ min. At 1520, water level dropped below top of screen and complete evacuation was completed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/15/2020 9:35 AM	00:00	7.41 pH	18.15 °C	289.71 µS/cm	1.63 mg/L	7.54 NTU	53.9 mV	70.23 ft	0.14 PSU	160.00 ml/min
9/15/2020 9:39 AM	04:00	7.44 pH	18.06 °C	286.46 µS/cm	1.70 mg/L	7.28 NTU	54.0 mV	70.73 ft	0.14 PSU	160.00 ml/min
9/15/2020 9:43 AM	08:00	7.46 pH	18.00 °C	287.64 µS/cm	1.87 mg/L	7.08 NTU	46.2 mV	71.65 ft	0.14 PSU	160.00 ml/min
9/15/2020 9:47 AM	12:00	7.48 pH	17.91 °C	288.00 µS/cm	2.00 mg/L	6.73 NTU	41.8 mV	72.28 ft	0.14 PSU	160.00 ml/min
9/15/2020 9:51 AM	16:00	7.49 pH	17.79 °C	287.77 µS/cm	2.01 mg/L	6.29 NTU	39.0 mV	73.10 ft	0.14 PSU	160.00 ml/min
9/15/2020 9:55 AM	20:00	7.49 pH	17.88 °C	288.06 µS/cm	2.06 mg/L	6.15 NTU	37.3 mV	73.76 ft	0.14 PSU	160.00 ml/min
9/15/2020 9:59 AM	24:00	7.50 pH	17.88 °C	287.84 µS/cm	2.08 mg/L	6.03 NTU	35.7 mV	74.70 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:03 AM	28:00	7.50 pH	17.79 °C	287.71 µS/cm	2.04 mg/L	5.91 NTU	34.5 mV	75.33 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:07 AM	32:00	7.49 pH	17.79 °C	288.12 µS/cm	1.98 mg/L	6.09 NTU	33.7 mV	76.10 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:11 AM	36:00	7.48 pH	17.80 °C	287.72 µS/cm	1.90 mg/L	6.21 NTU	32.9 mV	76.84 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:15 AM	40:00	7.48 pH	17.81 °C	288.42 µS/cm	1.83 mg/L	6.19 NTU	32.3 mV	77.58 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:19 AM	44:00	7.47 pH	17.80 °C	288.08 µS/cm	1.80 mg/L	6.96 NTU	31.8 mV	78.32 ft	0.14 PSU	160.00 ml/min

9/15/2020 10:23 AM	48:00	7.47 pH	17.74 °C	288.30 µS/cm	1.76 mg/L	6.72 NTU	31.2 mV	79.04 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:27 AM	52:00	7.47 pH	17.73 °C	288.41 µS/cm	1.76 mg/L	6.91 NTU	30.9 mV	79.75 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:31 AM	56:00	7.46 pH	17.78 °C	288.59 µS/cm	1.74 mg/L	7.18 NTU	30.5 mV	80.51 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:35 AM	01:00:00	7.46 pH	17.75 °C	288.34 µS/cm	1.70 mg/L	6.86 NTU	30.2 mV	81.30 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:39 AM	01:04:00	7.45 pH	17.70 °C	288.32 µS/cm	1.65 mg/L	7.12 NTU	30.1 mV	82.00 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:43 AM	01:08:00	7.45 pH	17.70 °C	288.15 µS/cm	1.60 mg/L	7.63 NTU	29.9 mV	83.52 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:47 AM	01:12:00	7.45 pH	17.66 °C	288.26 µS/cm	1.60 mg/L	7.50 NTU	29.5 mV	82.80 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:51 AM	01:16:00	7.45 pH	17.64 °C	288.89 µS/cm	1.58 mg/L	7.36 NTU	29.3 mV	84.25 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:55 AM	01:20:00	7.45 pH	17.61 °C	288.42 µS/cm	1.59 mg/L	7.94 NTU	29.0 mV	84.95 ft	0.14 PSU	160.00 ml/min
9/15/2020 10:59 AM	01:24:00	7.44 pH	17.53 °C	288.64 µS/cm	1.58 mg/L	7.75 NTU	28.9 mV	85.65 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:03 AM	01:28:00	7.44 pH	17.57 °C	288.89 µS/cm	1.57 mg/L	7.74 NTU	28.7 mV	86.35 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:07 AM	01:32:00	7.44 pH	17.64 °C	289.10 µS/cm	1.53 mg/L	7.65 NTU	28.4 mV	87.05 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:11 AM	01:36:00	7.44 pH	17.63 °C	289.14 µS/cm	1.52 mg/L	7.88 NTU	28.4 mV	87.80 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:15 AM	01:40:00	7.44 pH	17.63 °C	289.16 µS/cm	1.52 mg/L	7.64 NTU	28.2 mV	88.46 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:19 AM	01:44:00	7.43 pH	17.74 °C	289.23 µS/cm	1.50 mg/L	7.76 NTU	28.0 mV	89.20 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:23 AM	01:48:00	7.43 pH	17.64 °C	289.68 µS/cm	1.49 mg/L	7.68 NTU	27.8 mV	89.80 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:27 AM	01:52:00	7.43 pH	17.70 °C	289.86 µS/cm	1.49 mg/L	7.61 NTU	27.6 mV	90.53 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:31 AM	01:56:00	7.44 pH	17.66 °C	289.27 µS/cm	1.51 mg/L	7.85 NTU	27.4 mV	91.22 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:35 AM	02:00:00	7.43 pH	17.54 °C	289.38 µS/cm	1.48 mg/L	7.75 NTU	27.1 mV	91.93 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:39 AM	02:04:00	7.43 pH	17.52 °C	289.67 µS/cm	1.44 mg/L	7.96 NTU	26.9 mV	92.66 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:43 AM	02:08:00	7.43 pH	17.56 °C	289.95 µS/cm	1.45 mg/L	7.68 NTU	26.6 mV	93.36 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:47 AM	02:12:00	7.43 pH	17.52 °C	290.17 µS/cm	1.44 mg/L	7.79 NTU	26.5 mV	94.03 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:51 AM	02:16:00	7.42 pH	17.57 °C	290.54 µS/cm	1.40 mg/L	7.77 NTU	26.0 mV	94.72 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:55 AM	02:20:00	7.42 pH	17.52 °C	290.83 µS/cm	1.42 mg/L	7.77 NTU	25.9 mV	95.40 ft	0.14 PSU	160.00 ml/min
9/15/2020 11:59 AM	02:24:00	7.42 pH	17.57 °C	291.40 µS/cm	1.41 mg/L	7.92 NTU	25.5 mV	96.13 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:03 PM	02:28:00	7.42 pH	17.57 °C	291.92 µS/cm	1.43 mg/L	7.93 NTU	25.3 mV	96.80 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:07 PM	02:32:00	7.42 pH	17.49 °C	292.32 µS/cm	1.40 mg/L	8.29 NTU	25.2 mV	97.50 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:11 PM	02:36:00	7.42 pH	17.52 °C	292.15 µS/cm	1.39 mg/L	8.17 NTU	24.8 mV	98.15 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:15 PM	02:40:00	7.42 pH	17.48 °C	292.97 µS/cm	1.40 mg/L	8.17 NTU	24.7 mV	98.85 ft	0.14 PSU	160.00 ml/min

9/15/2020 12:19 PM	02:44:00	7.41 pH	17.52 °C	293.45 µS/cm	1.39 mg/L	8.25 NTU	24.6 mV	99.43 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:23 PM	02:48:00	7.40 pH	17.48 °C	293.49 µS/cm	1.30 mg/L	8.50 NTU	24.6 mV	100.20 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:27 PM	02:52:00	7.40 pH	17.83 °C	294.21 µS/cm	1.35 mg/L	8.45 NTU	24.4 mV	100.74 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:31 PM	02:56:00	7.40 pH	17.95 °C	293.91 µS/cm	1.42 mg/L	8.45 NTU	24.1 mV	101.16 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:35 PM	03:00:00	7.43 pH	17.92 °C	294.17 µS/cm	1.73 mg/L	8.12 NTU	23.5 mV	101.58 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:39 PM	03:04:00	7.44 pH	17.92 °C	294.91 µS/cm	1.81 mg/L	7.09 NTU	23.3 mV	101.92 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:43 PM	03:08:00	7.44 pH	17.94 °C	293.84 µS/cm	1.82 mg/L	7.15 NTU	23.4 mV	102.89 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:47 PM	03:12:00	7.43 pH	17.97 °C	294.23 µS/cm	1.78 mg/L	7.39 NTU	23.5 mV	102.45 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:51 PM	03:16:00	7.44 pH	17.92 °C	293.89 µS/cm	1.85 mg/L	8.11 NTU	23.4 mV	103.30 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:55 PM	03:20:00	7.43 pH	17.88 °C	294.84 µS/cm	1.81 mg/L	7.50 NTU	23.4 mV	103.70 ft	0.14 PSU	160.00 ml/min
9/15/2020 12:59 PM	03:24:00	7.43 pH	17.88 °C	294.62 µS/cm	1.82 mg/L	7.47 NTU	23.5 mV	104.16 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:03 PM	03:28:00	7.43 pH	17.92 °C	294.98 µS/cm	1.84 mg/L	7.75 NTU	23.3 mV	104.60 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:07 PM	03:32:00	7.43 pH	17.88 °C	294.92 µS/cm	1.87 mg/L	7.88 NTU	23.2 mV	104.98 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:11 PM	03:36:00	7.43 pH	17.90 °C	294.40 µS/cm	1.88 mg/L	7.88 NTU	23.3 mV	105.45 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:15 PM	03:40:00	7.43 pH	17.97 °C	295.47 µS/cm	1.82 mg/L	8.22 NTU	23.2 mV	105.85 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:19 PM	03:44:00	7.43 pH	17.70 °C	294.83 µS/cm	1.77 mg/L	7.89 NTU	23.1 mV	106.44 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:23 PM	03:48:00	7.41 pH	17.52 °C	295.50 µS/cm	1.54 mg/L	7.82 NTU	23.2 mV	107.07 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:27 PM	03:52:00	7.40 pH	17.52 °C	295.96 µS/cm	1.37 mg/L	8.62 NTU	23.3 mV	107.70 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:31 PM	03:56:00	7.39 pH	17.60 °C	295.55 µS/cm	1.33 mg/L	9.88 NTU	23.5 mV	108.45 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:35 PM	04:00:00	7.39 pH	17.56 °C	295.43 µS/cm	1.39 mg/L	9.62 NTU	23.4 mV	109.12 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:39 PM	04:04:00	7.39 pH	17.54 °C	297.45 µS/cm	1.38 mg/L	9.82 NTU	22.9 mV	109.77 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:43 PM	04:08:00	7.39 pH	17.55 °C	298.17 µS/cm	1.35 mg/L	9.70 NTU	22.8 mV	110.47 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:47 PM	04:12:00	7.39 pH	17.61 °C	298.32 µS/cm	1.42 mg/L	9.70 NTU	22.2 mV	111.10 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:51 PM	04:16:00	7.39 pH	17.61 °C	299.29 µS/cm	1.44 mg/L	9.61 NTU	22.0 mV	111.70 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:55 PM	04:20:00	7.39 pH	17.79 °C	300.19 µS/cm	1.37 mg/L	9.61 NTU	21.7 mV	112.40 ft	0.14 PSU	160.00 ml/min
9/15/2020 1:59 PM	04:24:00	7.38 pH	17.60 °C	300.22 µS/cm	1.39 mg/L	9.81 NTU	22.0 mV	113.13 ft	0.14 PSU	160.00 ml/min
9/15/2020 2:03 PM	04:28:00	7.37 pH	17.47 °C	298.97 µS/cm	1.24 mg/L	9.96 NTU	22.7 mV	113.90 ft	0.14 PSU	160.00 ml/min
9/15/2020 2:07 PM	04:32:00	7.37 pH	17.32 °C	300.60 µS/cm	1.20 mg/L	11.10 NTU	22.1 mV	114.75 ft	0.14 PSU	160.00 ml/min
9/15/2020 2:11 PM	04:36:00	7.36 pH	17.25 °C	299.99 µS/cm	1.12 mg/L	11.30 NTU	22.3 mV	116.45 ft	0.14 PSU	160.00 ml/min

9/15/2020 2:15 PM	04:40:00	7.36 pH	17.27 °C	300.18 µS/cm	1.15 mg/L	11.60 NTU	22.2 mV	115.60 ft	0.14 PSU	160.00 ml/min
9/15/2020 2:19 PM	04:44:00	7.37 pH	17.19 °C	303.60 µS/cm	1.05 mg/L	11.20 NTU	21.5 mV	117.47 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:23 PM	04:48:00	7.36 pH	17.17 °C	303.61 µS/cm	1.09 mg/L	11.80 NTU	21.6 mV	119.60 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:27 PM	04:52:00	7.36 pH	17.11 °C	303.06 µS/cm	1.09 mg/L	11.90 NTU	21.8 mV	120.50 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:31 PM	04:56:00	7.36 pH	17.08 °C	306.33 µS/cm	1.11 mg/L	11.70 NTU	21.6 mV	119.27 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:35 PM	05:00:00	7.37 pH	17.08 °C	307.93 µS/cm	1.14 mg/L	11.20 NTU	21.3 mV	121.12 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:39 PM	05:04:00	7.37 pH	17.03 °C	306.33 µS/cm	1.15 mg/L	11.20 NTU	21.1 mV	122.00 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:43 PM	05:08:00	7.37 pH	17.05 °C	308.80 µS/cm	1.11 mg/L	11.40 NTU	21.1 mV	122.98 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:47 PM	05:12:00	7.37 pH	17.07 °C	309.33 µS/cm	1.18 mg/L	10.23 NTU	20.8 mV	123.80 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:51 PM	05:16:00	7.37 pH	17.02 °C	310.29 µS/cm	1.14 mg/L	11.20 NTU	20.8 mV	124.70 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:55 PM	05:20:00	7.37 pH	17.08 °C	311.42 µS/cm	1.08 mg/L	9.95 NTU	20.8 mV	125.57 ft	0.15 PSU	160.00 ml/min
9/15/2020 2:59 PM	05:24:00	7.38 pH	17.07 °C	312.99 µS/cm	1.16 mg/L	11.10 NTU	20.8 mV	126.48 ft	0.15 PSU	160.00 ml/min
9/15/2020 3:03 PM	05:28:00	7.38 pH	17.03 °C	315.10 µS/cm	1.08 mg/L	9.77 NTU	20.4 mV	127.37 ft	0.15 PSU	160.00 ml/min
9/15/2020 3:07 PM	05:32:00	7.38 pH	17.03 °C	316.86 µS/cm	1.10 mg/L	11.30 NTU	20.3 mV	128.28 ft	0.15 PSU	160.00 ml/min
9/15/2020 3:11 PM	05:36:00	7.38 pH	17.02 °C	318.71 µS/cm	1.11 mg/L	9.56 NTU	20.2 mV	129.10 ft	0.15 PSU	160.00 ml/min
9/15/2020 3:15 PM	05:40:00	7.38 pH	17.03 °C	320.41 µS/cm	1.10 mg/L	9.37 NTU	19.9 mV	130.05 ft	0.15 PSU	160.00 ml/min
9/15/2020 3:19 PM	05:44:00	7.39 pH	17.03 °C	320.96 µS/cm	1.14 mg/L	9.53 NTU	19.9 mV	130.60 ft	0.15 PSU	160.00 ml/min

Samples

Sample ID:	Description:
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Location Properties
 Location Name = Device Location

Report Properties
 Start Time = 2020-09-16 09:46:59
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Well: GWA-39RZ

Instrument Properties
 Device Model = Aqua TROLL 400
 Device SN = 728648

Instrument Properties
 Device Model = In-Situ Bluetooth Device
 Device SN = 727026

Date Time	RDO Concentration (mg/L) (728759)	Oxygen		Actual		Specific		Total		Resistivity (Î©â€¦cm (728648)	Density (g/cmÂ³) (728648)	Pressure (psi) (726662)	Depth (ft) (726662)	pH (pH) (20791)	pH mV (20791)	ORP (mV) (20791)	Barometri		Marked
		Saturation (%Sat) (728759)	Partial Pressure (Torr) (728759)	Conductivity (ÂµS/cm) (728648)	Temperature (Â°C) (728648)	Conductivity (ÂµS/cm) (728648)	Salinity (PSU) (728648)	Dissolved Solids (ppt) (728648)	c Pressure (727026)								Temperature (Â°C) (727026)		
9/16/2020 9:46	4.777274	51.19331	71.55622	244.7689	17.69937	284.4305	0.136438	0.18488	4085.486	0.998758	-0.116116	0.368643	7.639677	-43.98413	81.33961	993.8582	21.82121		
9/16/2020 9:47	4.776841	51.18826	71.54939	244.7818	17.69907	284.4473	0.136447	0.184891	4085.271	0.998758	-0.115803	0.369364	7.640883	-44.05201	82.01224	993.8644	21.82211		
9/16/2020 9:47	4.776408	51.1832	71.54254	244.7946	17.69877	284.4642	0.136455	0.184902	4085.056	0.998758	-0.115491	0.370086	7.642088	-44.11988	82.68486	993.8707	21.82301		
9/16/2020 9:47	4.773572	51.15368	71.50119	244.6865	17.70012	284.33	0.136389	0.184815	4086.863	0.998758	-0.115033	0.371142	7.641961	-44.11272	85.39179	993.859	21.82873		
9/16/2020 9:47	4.773249	51.15007	71.49625	244.6873	17.70005	284.3314	0.13639	0.184815	4086.849	0.998758	-0.114872	0.371513	7.642493	-44.14273	85.81596	993.8613	21.8294		
9/16/2020 9:47	4.772926	51.14647	71.4913	244.6881	17.69997	284.3328	0.13639	0.184816	4086.835	0.998758	-0.114711	0.371884	7.643026	-44.17274	86.24012	993.8636	21.83006		
9/16/2020 9:47	4.772604	51.14286	71.48636	244.6889	17.6999	284.3342	0.136391	0.184817	4086.822	0.998758	-0.11455	0.372254	7.643559	-44.20275	86.66429	993.8659	21.83072		
9/16/2020 9:47	4.766469	51.0781	71.39555	244.7317	17.70078	284.3783	0.136413	0.184846	4086.108	0.998757	-0.112898	0.376066	7.651958	-44.67533	88.18285	993.8593	21.82972		
9/16/2020 9:47	4.766105	51.07421	71.39011	244.7327	17.70081	284.3793	0.136413	0.184847	4086.091	0.998757	-0.112784	0.376328	7.652443	-44.70265	88.37411	993.8595	21.82989		
9/16/2020 9:47	4.76574	51.07032	71.38468	244.7338	17.70084	284.3803	0.136414	0.184847	4086.073	0.998757	-0.112671	0.376589	7.652929	-44.72997	88.56537	993.8597	21.83006		
9/16/2020 9:47	4.762271	51.02354	71.32074	244.576	17.69992	284.2028	0.136327	0.184732	4088.71	0.998758	-0.115135	0.370906	7.654737	-44.83054	90.86212	993.8682	21.83		
9/16/2020 9:47	4.761998	51.02018	71.31609	244.5695	17.69988	284.1955	0.136323	0.184727	4088.818	0.998758	-0.115216	0.370718	7.654984	-44.84436	91.00834	993.8685	21.83		
9/16/2020 9:47	4.761724	51.01681	71.31145	244.563	17.69985	284.1882	0.13632	0.184722	4088.926	0.998758	-0.115298	0.37053	7.65523	-44.85819	91.15456	993.869	21.83		
9/16/2020 9:47	4.761451	51.01344	71.30681	244.5566	17.69982	284.1809	0.136316	0.184718	4089.033	0.998758	-0.115379	0.370343	7.655477	-44.87201	91.30077	993.8693	21.83		
9/16/2020 9:47	4.7573	50.9632	71.2377	244.7061	17.68686	284.4364	0.13644	0.184884	4086.535	0.99876	-0.125048	0.348041	7.663963	-45.34961	92.08087	993.8779	21.83		
9/16/2020 9:47	4.757049	50.96006	71.23338	244.7096	17.68626	284.4442	0.136444	0.184889	4086.477	0.99876	-0.125528	0.346933	7.664374	-45.3727	92.16103	993.8785	21.83		
9/16/2020 9:47	4.756797	50.95691	71.22906	244.7131	17.68567	284.4521	0.136448	0.184894	4086.419	0.99876	-0.126008	0.345825	7.664784	-45.39579	92.24118	993.879	21.83		
9/16/2020 9:47	4.756545	50.95377	71.22475	244.7166	17.68507	284.4599	0.136452	0.184899	4086.36	0.99876	-0.126489	0.344717	7.665195	-45.41888	92.32133	993.8796	21.83		
9/16/2020 9:47	4.746053	50.84698	71.07435	244.5978	17.68988	284.2915	0.136369	0.18479	4088.345	0.998759	-0.134025	0.327333	7.662359	-45.25541	93.80315	993.8707	21.83		
9/16/2020 9:47	4.745511	50.84129	71.06638	244.5952	17.68984	284.2888	0.136368	0.184788	4088.387	0.998759	-0.134541	0.326143	7.662398	-45.25746	93.88533	993.8705	21.83		
9/16/2020 9:47	4.744968	50.83561	71.0584	244.5927	17.68981	284.2861	0.136367	0.184786	4088.429	0.998759	-0.135057	0.324953	7.662437	-45.25951	93.96751	993.8703	21.83		
9/16/2020 9:47	4.742619	50.78027	70.98431	244.6567	17.66546	284.5142	0.136477	0.184934	4087.361	0.998764	-0.123466	0.351689	7.67213	-45.8043	94.37065	993.8787	21.83859		
9/16/2020 9:47	4.742321	50.77575	70.97813	244.6576	17.66439	284.522	0.136481	0.184939	4087.345	0.998764	-0.123054	0.35264	7.67254	-45.82727	94.4168	993.8789	21.839		
9/16/2020 9:47	4.742023	50.77123	70.97195	244.6585	17.66332	284.5298	0.136484	0.184944	4087.331	0.998764	-0.122642	0.353591	7.67295	-45.85025	94.46295	993.8792	21.8394		
9/16/2020 9:47	4.741726	50.76671	70.96577	244.6593	17.66225	284.5376	0.136488	0.184949	4087.316	0.998765	-0.122229	0.354541	7.67336	-45.87322	94.50909	993.8794	21.83981		
9/16/2020 9:47	4.734912	50.69405	70.86358	244.6015	17.65803	284.497	0.136468	0.184923	4088.282	0.998765	-0.112406	0.3772	7.675874	-46.01452	95.25577	993.8708	21.85684		
9/16/2020 9:47	4.734565	50.68972	70.85757	244.6003	17.65734	284.4999	0.136469	0.184925	4088.302	0.998765	-0.11174	0.378737	7.676185	-46.03197	95.29691	993.8707	21.85776		
9/16/2020 9:47	4.734217	50.68539	70.85155	244.5991	17.65666	284.5029	0.136471	0.184927	4088.322	0.998766	-0.111074	0.380273	7.676495	-46.04942	95.33806	993.8705	21.85868		
9/16/2020 9:47	4.73387	50.68106	70.84554	244.5979	17.65597	284.5059	0.136472	0.184929	4088.342	0.998766	-0.110408	0.38181	7.676805	-46.06687	95.37921	993.8702	21.8596		
9/16/2020 9:47	4.731838	50.65894	70.81464	244.7095	17.65548	284.6388	0.136537	0.185015	4086.478	0.998766	-0.121886	0.355332	7.682803	-46.40439	95.42271	993.87	21.85944		

Low-Flow Test Report:

Test Date / Time: 9/10/2020 10:15:47 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWA-39Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 107.6 ft Total Depth: 117.5 ft Initial Depth to Water: 68.03 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 112.5 ft Estimated Total Volume Pumped: 3500 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 0.17 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 2.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/10/2020 10:15 AM	00:00	5.73 pH	20.10 °C	34.32 µS/cm	8.77 mg/L	2.82 NTU	115.9 mV	68.20 ft	0.01 PSU	125.00 ml/min
9/10/2020 10:19 AM	04:00	5.65 pH	20.03 °C	31.57 µS/cm	9.22 mg/L	2.82 NTU	106.5 mV	68.20 ft	0.01 PSU	125.00 ml/min
9/10/2020 10:23 AM	08:00	5.60 pH	20.14 °C	29.90 µS/cm	9.46 mg/L	2.50 NTU	106.8 mV	68.20 ft	0.01 PSU	125.00 ml/min
9/10/2020 10:27 AM	12:00	5.58 pH	20.07 °C	28.69 µS/cm	9.63 mg/L	1.92 NTU	106.1 mV	68.20 ft	0.01 PSU	125.00 ml/min
9/10/2020 10:31 AM	16:00	5.56 pH	19.84 °C	27.86 µS/cm	9.63 mg/L	1.79 NTU	105.4 mV	68.20 ft	0.01 PSU	125.00 ml/min
9/10/2020 10:35 AM	20:00	5.55 pH	19.83 °C	27.58 µS/cm	9.74 mg/L	1.24 NTU	104.3 mV	68.20 ft	0.01 PSU	125.00 ml/min
9/10/2020 10:39 AM	24:00	5.53 pH	20.24 °C	27.37 µS/cm	9.80 mg/L	1.18 NTU	104.2 mV	68.20 ft	0.01 PSU	125.00 ml/min
9/10/2020 10:43 AM	28:00	5.53 pH	20.24 °C	27.16 µS/cm	9.74 mg/L	1.01 NTU	103.6 mV	68.20 ft	0.01 PSU	125.00 ml/min

Samples

Sample ID:	Description:
GWA-39Z	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/11/2020 9:30:38 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-40 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 144.8 ft Total Depth: 154.8 ft Initial Depth to Water: 71.08 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 149.8 ft Estimated Total Volume Pumped: 3920 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/11/2020 9:30 AM	00:00	7.57 pH	22.35 °C	242.71 µS/cm	7.98 mg/L	0.14 NTU	84.0 mV	71.08 ft	0.12 PSU	140.00 ml/min
9/11/2020 9:34 AM	04:00	6.93 pH	20.34 °C	246.25 µS/cm	3.63 mg/L	0.34 NTU	63.9 mV	71.11 ft	0.12 PSU	140.00 ml/min
9/11/2020 9:38 AM	08:00	6.96 pH	20.07 °C	191.49 µS/cm	7.34 mg/L	0.85 NTU	57.8 mV	71.11 ft	0.09 PSU	140.00 ml/min
9/11/2020 9:42 AM	12:00	6.96 pH	19.99 °C	170.65 µS/cm	8.52 mg/L	0.86 NTU	55.8 mV	71.11 ft	0.08 PSU	140.00 ml/min
9/11/2020 9:46 AM	16:00	6.96 pH	19.85 °C	165.84 µS/cm	8.69 mg/L	0.55 NTU	53.6 mV	71.11 ft	0.08 PSU	140.00 ml/min
9/11/2020 9:50 AM	20:00	6.97 pH	19.94 °C	165.60 µS/cm	8.83 mg/L	0.34 NTU	50.5 mV	71.11 ft	0.08 PSU	140.00 ml/min
9/11/2020 9:54 AM	24:00	6.97 pH	19.85 °C	164.40 µS/cm	8.80 mg/L	0.61 NTU	49.9 mV	71.11 ft	0.08 PSU	140.00 ml/min
9/11/2020 9:58 AM	28:00	6.98 pH	19.90 °C	163.55 µS/cm	8.64 mg/L	0.60 NTU	49.3 mV	71.11 ft	0.08 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWA-40	Metals, TDS, Inorganics
DUP-1	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/10/2020 11:24:23 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

<p>Location Name: GWA-41 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 92.52 ft Total Depth: 102.52 ft Initial Depth to Water: 81.04 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 97.52 ft Estimated Total Volume Pumped: 13000 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.05 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728638</p>
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Test Notes:

Prepurged 0.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/10/2020 11:24 AM	00:00	7.22 pH	23.81 °C	239.09 µS/cm	7.96 mg/L	0.19 NTU	41.3 mV	81.04 ft	0.11 PSU	130.00 ml/min
9/10/2020 11:28 AM	04:00	6.58 pH	21.60 °C	170.27 µS/cm	7.33 mg/L	3.32 NTU	44.8 mV	81.08 ft	0.08 PSU	130.00 ml/min
9/10/2020 11:32 AM	08:00	6.15 pH	21.18 °C	89.99 µS/cm	7.49 mg/L	0.81 NTU	50.4 mV	81.09 ft	0.04 PSU	130.00 ml/min
9/10/2020 11:36 AM	12:00	5.97 pH	20.92 °C	65.64 µS/cm	7.44 mg/L	0.38 NTU	52.2 mV	81.09 ft	0.03 PSU	130.00 ml/min
9/10/2020 11:40 AM	16:00	5.90 pH	20.88 °C	59.21 µS/cm	7.45 mg/L	0.77 NTU	52.3 mV	81.09 ft	0.03 PSU	130.00 ml/min
9/10/2020 11:44 AM	20:00	5.86 pH	21.10 °C	55.10 µS/cm	7.46 mg/L	1.79 NTU	52.2 mV	81.09 ft	0.02 PSU	130.00 ml/min
9/10/2020 11:48 AM	24:00	5.82 pH	21.15 °C	50.66 µS/cm	7.44 mg/L	2.43 NTU	52.5 mV	81.09 ft	0.02 PSU	130.00 ml/min
9/10/2020 11:52 AM	28:00	5.79 pH	21.11 °C	47.56 µS/cm	7.50 mg/L	2.11 NTU	52.8 mV	81.09 ft	0.02 PSU	130.00 ml/min
9/10/2020 11:56 AM	32:00	5.78 pH	21.19 °C	46.92 µS/cm	7.46 mg/L	1.90 NTU	52.2 mV	81.09 ft	0.02 PSU	130.00 ml/min
9/10/2020 12:00 PM	36:00	5.82 pH	21.50 °C	50.08 µS/cm	7.32 mg/L	1.71 NTU	51.3 mV	81.09 ft	0.02 PSU	130.00 ml/min
9/10/2020 12:04 PM	40:00	5.88 pH	21.58 °C	55.74 µS/cm	7.23 mg/L	1.78 NTU	49.8 mV	81.09 ft	0.03 PSU	130.00 ml/min
9/10/2020 12:08 PM	44:00	5.95 pH	21.12 °C	62.89 µS/cm	7.18 mg/L	1.56 NTU	48.0 mV	81.09 ft	0.03 PSU	130.00 ml/min
9/10/2020 12:12 PM	48:00	6.02 pH	21.69 °C	71.00 µS/cm	7.08 mg/L	1.51 NTU	45.8 mV	81.09 ft	0.03 PSU	130.00 ml/min
9/10/2020 12:16 PM	52:00	6.08 pH	21.91 °C	78.57 µS/cm	7.05 mg/L	1.49 NTU	46.1 mV	81.09 ft	0.04 PSU	130.00 ml/min
9/10/2020 12:20 PM	56:00	6.13 pH	22.26 °C	84.97 µS/cm	6.93 mg/L	1.21 NTU	45.8 mV	81.09 ft	0.04 PSU	130.00 ml/min

9/10/2020 12:24 PM	01:00:00	6.17 pH	21.77 °C	90.15 µS/cm	6.98 mg/L	1.23 NTU	45.7 mV	81.09 ft	0.04 PSU	130.00 ml/min
9/10/2020 12:28 PM	01:04:00	6.21 pH	22.50 °C	96.43 µS/cm	7.02 mg/L	1.21 NTU	45.7 mV	81.09 ft	0.05 PSU	130.00 ml/min
9/10/2020 12:32 PM	01:08:00	6.25 pH	22.13 °C	101.52 µS/cm	7.01 mg/L	1.21 NTU	45.2 mV	81.09 ft	0.05 PSU	130.00 ml/min
9/10/2020 12:36 PM	01:12:00	6.28 pH	22.27 °C	105.51 µS/cm	7.03 mg/L	1.06 NTU	46.0 mV	81.09 ft	0.05 PSU	130.00 ml/min
9/10/2020 12:40 PM	01:16:00	6.29 pH	22.57 °C	108.60 µS/cm	6.99 mg/L	1.02 NTU	45.3 mV	81.09 ft	0.05 PSU	130.00 ml/min
9/10/2020 12:44 PM	01:20:00	6.32 pH	22.19 °C	111.60 µS/cm	6.95 mg/L	0.91 NTU	45.1 mV	81.09 ft	0.05 PSU	130.00 ml/min
9/10/2020 12:48 PM	01:24:00	6.34 pH	22.80 °C	115.43 µS/cm	6.93 mg/L	0.79 NTU	45.7 mV	81.09 ft	0.05 PSU	130.00 ml/min
9/10/2020 12:52 PM	01:28:00	6.36 pH	22.89 °C	119.04 µS/cm	6.98 mg/L	0.82 NTU	45.9 mV	81.09 ft	0.06 PSU	130.00 ml/min
9/10/2020 12:56 PM	01:32:00	6.37 pH	22.73 °C	119.86 µS/cm	6.98 mg/L	0.69 NTU	46.1 mV	81.09 ft	0.06 PSU	130.00 ml/min
9/10/2020 1:00 PM	01:36:00	6.39 pH	22.89 °C	122.26 µS/cm	6.91 mg/L	0.59 NTU	46.2 mV	81.09 ft	0.06 PSU	130.00 ml/min
9/10/2020 1:04 PM	01:40:00	6.40 pH	22.98 °C	124.86 µS/cm	6.87 mg/L	0.54 NTU	45.5 mV	81.09 ft	0.06 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-41	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/10/2020 10:42:04 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-41R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 119.8 ft Total Depth: 129.8 ft Initial Depth to Water: 81.77 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 124.8 ft Estimated Total Volume Pumped: 2800 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 1 L

Well performed well

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/10/2020 10:42 AM	00:00	6.94 pH	21.19 °C	235.48 µS/cm	4.59 mg/L	0.48 NTU	30.6 mV	81.77 ft	0.11 PSU	140.00 ml/min
9/10/2020 10:46 AM	04:00	6.70 pH	20.34 °C	224.52 µS/cm	1.25 mg/L	0.34 NTU	6.0 mV	81.98 ft	0.11 PSU	140.00 ml/min
9/10/2020 10:50 AM	08:00	6.67 pH	20.27 °C	222.00 µS/cm	0.58 mg/L	0.67 NTU	2.2 mV	81.98 ft	0.11 PSU	140.00 ml/min
9/10/2020 10:54 AM	12:00	6.67 pH	19.90 °C	219.90 µS/cm	0.38 mg/L	0.19 NTU	1.2 mV	81.98 ft	0.10 PSU	140.00 ml/min
9/10/2020 10:58 AM	16:00	6.67 pH	19.54 °C	219.67 µS/cm	0.29 mg/L	0.27 NTU	0.5 mV	81.98 ft	0.10 PSU	140.00 ml/min
9/10/2020 11:02 AM	20:00	6.67 pH	19.72 °C	218.91 µS/cm	0.27 mg/L	0.24 NTU	0.3 mV	81.98 ft	0.10 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWA-41R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/10/2020 2:01:14 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-42 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.3 ft Total Depth: 84.3 ft Initial Depth to Water: 78.04 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.3 ft Estimated Total Volume Pumped: 13320 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Pump rate increased to 220 mL/min at 14:19 and to 350 mL/min at 14:30. Well drawdown remained stabilized along with all other parameters. Called Pete Robinson at 14:49 and approved sampling. Pump rate dropped to 160 mL/min.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/10/2020 2:01 PM	00:00	7.37 pH	24.01 °C	268.00 µS/cm	6.54 mg/L	0.18 NTU	45.1 mV	78.04 ft	0.13 PSU	120.00 ml/min
9/10/2020 2:05 PM	04:00	7.34 pH	21.66 °C	266.14 µS/cm	5.39 mg/L	0.55 NTU	35.9 mV	78.09 ft	0.13 PSU	120.00 ml/min
9/10/2020 2:09 PM	08:00	7.40 pH	21.22 °C	265.01 µS/cm	5.07 mg/L	0.05 NTU	34.3 mV	78.09 ft	0.13 PSU	120.00 ml/min
9/10/2020 2:13 PM	12:00	7.44 pH	20.87 °C	264.36 µS/cm	4.94 mg/L	0.04 NTU	33.5 mV	78.09 ft	0.13 PSU	120.00 ml/min
9/10/2020 2:17 PM	16:00	7.46 pH	20.84 °C	264.59 µS/cm	4.88 mg/L	0.00 NTU	32.7 mV	78.09 ft	0.13 PSU	120.00 ml/min
9/10/2020 2:21 PM	20:00	7.48 pH	19.61 °C	263.53 µS/cm	4.82 mg/L	0.09 NTU	32.5 mV	78.10 ft	0.13 PSU	220.00 ml/min
9/10/2020 2:25 PM	24:00	7.48 pH	19.41 °C	263.17 µS/cm	4.80 mg/L	0.01 NTU	32.2 mV	78.10 ft	0.13 PSU	220.00 ml/min
9/10/2020 2:29 PM	28:00	7.48 pH	20.03 °C	263.78 µS/cm	4.76 mg/L	0.01 NTU	31.8 mV	78.10 ft	0.13 PSU	220.00 ml/min
9/10/2020 2:33 PM	32:00	7.49 pH	18.56 °C	260.24 µS/cm	4.85 mg/L	0.04 NTU	32.0 mV	78.15 ft	0.12 PSU	350.00 ml/min
9/10/2020 2:37 PM	36:00	7.48 pH	18.25 °C	260.28 µS/cm	4.90 mg/L	0.10 NTU	31.9 mV	78.15 ft	0.12 PSU	350.00 ml/min
9/10/2020 2:41 PM	40:00	7.48 pH	18.22 °C	260.94 µS/cm	4.89 mg/L	0.12 NTU	32.1 mV	78.15 ft	0.12 PSU	350.00 ml/min
9/10/2020 2:45 PM	44:00	7.48 pH	18.07 °C	260.96 µS/cm	4.90 mg/L	0.12 NTU	31.8 mV	78.15 ft	0.12 PSU	350.00 ml/min
9/10/2020 2:49 PM	48:00	7.48 pH	18.06 °C	261.95 µS/cm	4.90 mg/L	0.10 NTU	31.5 mV	78.15 ft	0.13 PSU	350.00 ml/min
9/10/2020 2:53 PM	52:00	7.46 pH	18.83 °C	265.13 µS/cm	4.93 mg/L	0.05 NTU	31.3 mV	78.09 ft	0.13 PSU	160.00 ml/min

9/10/2020 2:57 PM	56:00	7.47 pH	19.37 °C	263.26 µS/cm	4.83 mg/L	0.02 NTU	31.1 mV	78.09 ft	0.13 PSU	160.00 ml/min
9/10/2020 3:01 PM	01:00:00	7.48 pH	19.45 °C	263.59 µS/cm	4.83 mg/L	0.01 NTU	30.9 mV	78.09 ft	0.13 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWA-42	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/11/2020 10:54:44 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-43 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.55 ft Total Depth: 92.55 ft Initial Depth to Water: 55.75 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.55 ft Estimated Total Volume Pumped: 26800 ml Flow Cell Volume: 90 ml Final Flow Rate: 115 ml/min Final Draw Down: 0.17 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Some ant debris in the water in the early stages of pumping. Pumped a little after stabilization to ensure pH was in the provided range. Then had to wait two hours for K to stabilize. At 13:29, pump rate dropped to 115 mL/min.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/11/2020 10:54 AM	00:00	5.55 pH	22.71 °C	26.92 µS/cm	5.87 mg/L	0.64 NTU	92.3 mV	55.75 ft	0.01 PSU	160.00 ml/min
9/11/2020 10:58 AM	04:00	5.49 pH	20.09 °C	25.03 µS/cm	7.57 mg/L	0.29 NTU	64.4 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:02 AM	08:00	5.54 pH	19.62 °C	26.74 µS/cm	7.82 mg/L	0.26 NTU	60.5 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:06 AM	12:00	5.54 pH	19.44 °C	26.55 µS/cm	7.81 mg/L	1.11 NTU	59.5 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:10 AM	16:00	5.55 pH	19.27 °C	26.47 µS/cm	7.86 mg/L	1.51 NTU	59.0 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:14 AM	20:00	5.54 pH	19.26 °C	26.34 µS/cm	7.83 mg/L	1.15 NTU	59.6 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:18 AM	24:00	5.54 pH	19.17 °C	26.24 µS/cm	7.81 mg/L	0.85 NTU	59.1 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:22 AM	28:00	5.55 pH	19.27 °C	26.31 µS/cm	7.77 mg/L	1.10 NTU	57.8 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:26 AM	32:00	5.56 pH	19.28 °C	26.58 µS/cm	7.67 mg/L	0.65 NTU	57.3 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:30 AM	36:00	5.57 pH	19.32 °C	26.69 µS/cm	7.72 mg/L	0.49 NTU	57.3 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:34 AM	40:00	5.58 pH	19.32 °C	27.43 µS/cm	7.63 mg/L	0.51 NTU	56.3 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:38 AM	44:00	5.61 pH	19.34 °C	28.20 µS/cm	7.67 mg/L	0.47 NTU	56.3 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:42 AM	48:00	5.62 pH	19.53 °C	29.19 µS/cm	7.53 mg/L	0.55 NTU	55.8 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:46 AM	52:00	5.64 pH	19.69 °C	29.65 µS/cm	7.79 mg/L	0.63 NTU	56.7 mV	55.98 ft	0.01 PSU	160.00 ml/min

9/11/2020 11:50 AM	56:00	5.66 pH	19.85 °C	30.48 µS/cm	7.71 mg/L	0.38 NTU	55.8 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:54 AM	01:00:00	5.69 pH	19.74 °C	31.74 µS/cm	7.72 mg/L	0.38 NTU	55.3 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 11:58 AM	01:04:00	5.72 pH	19.80 °C	32.59 µS/cm	7.68 mg/L	0.28 NTU	55.0 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 12:02 PM	01:08:00	5.73 pH	19.63 °C	33.88 µS/cm	7.91 mg/L	0.63 NTU	54.8 mV	55.98 ft	0.01 PSU	160.00 ml/min
9/11/2020 12:06 PM	01:12:00	5.75 pH	19.65 °C	35.06 µS/cm	8.17 mg/L	0.27 NTU	54.0 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:10 PM	01:16:00	5.76 pH	19.71 °C	35.83 µS/cm	8.08 mg/L	0.29 NTU	53.9 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:14 PM	01:20:00	5.79 pH	19.58 °C	37.11 µS/cm	7.80 mg/L	0.28 NTU	53.3 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:18 PM	01:24:00	5.82 pH	19.50 °C	38.37 µS/cm	7.93 mg/L	0.20 NTU	53.0 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:22 PM	01:28:00	5.83 pH	19.72 °C	39.49 µS/cm	7.97 mg/L	0.28 NTU	52.9 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:26 PM	01:32:00	5.87 pH	19.59 °C	41.58 µS/cm	7.63 mg/L	0.22 NTU	51.9 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:30 PM	01:36:00	5.89 pH	19.68 °C	42.68 µS/cm	7.60 mg/L	0.15 NTU	52.0 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:34 PM	01:40:00	5.91 pH	19.36 °C	44.41 µS/cm	7.64 mg/L	0.24 NTU	51.5 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:38 PM	01:44:00	5.93 pH	19.67 °C	46.57 µS/cm	7.62 mg/L	0.33 NTU	50.5 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:42 PM	01:48:00	5.96 pH	19.63 °C	47.99 µS/cm	7.78 mg/L	0.25 NTU	50.9 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:46 PM	01:52:00	5.98 pH	19.54 °C	49.97 µS/cm	7.58 mg/L	0.33 NTU	50.7 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:50 PM	01:56:00	6.01 pH	19.54 °C	51.60 µS/cm	7.72 mg/L	0.30 NTU	49.9 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:54 PM	02:00:00	6.03 pH	19.73 °C	53.29 µS/cm	7.76 mg/L	0.28 NTU	50.0 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 12:58 PM	02:04:00	6.05 pH	19.69 °C	54.67 µS/cm	7.72 mg/L	0.45 NTU	49.7 mV	55.98 ft	0.02 PSU	160.00 ml/min
9/11/2020 1:02 PM	02:08:00	6.06 pH	19.83 °C	56.38 µS/cm	7.57 mg/L	0.50 NTU	48.8 mV	55.98 ft	0.03 PSU	160.00 ml/min
9/11/2020 1:06 PM	02:12:00	6.08 pH	19.87 °C	57.94 µS/cm	7.57 mg/L	0.82 NTU	49.4 mV	55.98 ft	0.03 PSU	160.00 ml/min
9/11/2020 1:10 PM	02:16:00	6.11 pH	19.69 °C	60.28 µS/cm	7.50 mg/L	1.13 NTU	48.0 mV	55.98 ft	0.03 PSU	160.00 ml/min
9/11/2020 1:14 PM	02:20:00	6.14 pH	19.78 °C	63.11 µS/cm	7.71 mg/L	1.30 NTU	48.1 mV	55.98 ft	0.03 PSU	160.00 ml/min
9/11/2020 1:18 PM	02:24:00	6.17 pH	19.87 °C	65.81 µS/cm	7.66 mg/L	2.04 NTU	47.7 mV	55.98 ft	0.03 PSU	160.00 ml/min
9/11/2020 1:22 PM	02:28:00	6.19 pH	19.65 °C	70.39 µS/cm	8.11 mg/L	2.38 NTU	46.9 mV	55.98 ft	0.03 PSU	160.00 ml/min
9/11/2020 1:26 PM	02:32:00	6.20 pH	19.65 °C	72.83 µS/cm	8.01 mg/L	2.62 NTU	47.2 mV	55.98 ft	0.03 PSU	160.00 ml/min
9/11/2020 1:30 PM	02:36:00	6.21 pH	20.17 °C	74.73 µS/cm	7.82 mg/L	3.01 NTU	47.3 mV	55.92 ft	0.03 PSU	115.00 ml/min
9/11/2020 1:34 PM	02:40:00	6.24 pH	20.23 °C	78.49 µS/cm	7.82 mg/L	3.12 NTU	46.5 mV	55.92 ft	0.04 PSU	115.00 ml/min
9/11/2020 1:38 PM	02:44:00	6.25 pH	20.38 °C	76.80 µS/cm	7.71 mg/L	3.04 NTU	46.8 mV	55.92 ft	0.04 PSU	115.00 ml/min
9/11/2020 1:42 PM	02:48:00	6.25 pH	20.38 °C	76.43 µS/cm	7.64 mg/L	3.00 NTU	47.3 mV	55.92 ft	0.04 PSU	115.00 ml/min

9/11/2020 1:46 PM	02:52:00	6.25 pH	20.33 °C	76.44 µS/cm	7.51 mg/L	2.86 NTU	47.3 mV	55.92 ft	0.04 PSU	115.00 ml/min
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Samples

Sample ID:	Description:
GWA-43	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/14/2020 9:35:17 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-43R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.82 ft Total Depth: 112.82 ft Initial Depth to Water: 56.57 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 107.82 ft Estimated Total Volume Pumped: 2600 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/14/2020 9:35 AM	00:00	7.60 pH	19.94 °C	266.00 µS/cm	5.17 mg/L	1.00 NTU	84.1 mV	56.57 ft	0.13 PSU	130.00 ml/min
9/14/2020 9:39 AM	04:00	7.67 pH	18.78 °C	279.52 µS/cm	6.18 mg/L	0.93 NTU	53.4 mV	56.67 ft	0.13 PSU	130.00 ml/min
9/14/2020 9:43 AM	08:00	7.72 pH	18.45 °C	280.37 µS/cm	6.35 mg/L	0.95 NTU	49.3 mV	56.67 ft	0.13 PSU	130.00 ml/min
9/14/2020 9:47 AM	12:00	7.74 pH	18.32 °C	280.87 µS/cm	6.43 mg/L	1.01 NTU	43.0 mV	56.67 ft	0.13 PSU	130.00 ml/min
9/14/2020 9:51 AM	16:00	7.75 pH	18.25 °C	280.52 µS/cm	6.51 mg/L	1.14 NTU	41.1 mV	56.67 ft	0.13 PSU	130.00 ml/min
9/14/2020 9:55 AM	20:00	7.76 pH	18.20 °C	280.36 µS/cm	6.61 mg/L	1.71 NTU	39.4 mV	56.67 ft	0.13 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-43R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/15/2020 12:22:38 PM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

<p>Location Name: GWC-44 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 79.7 ft Total Depth: 89.7 ft Initial Depth to Water: 55.54 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 84.7 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.04 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728563</p>
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/15/2020 12:22 PM	00:00	4.45 pH	19.68 °C	101.70 µS/cm	4.21 mg/L	4.05 NTU	85.6 mV	55.54 ft	0.05 PSU	120.00 ml/min
9/15/2020 12:26 PM	04:00	4.45 pH	19.54 °C	100.77 µS/cm	4.16 mg/L	2.65 NTU	71.6 mV	55.54 ft	0.05 PSU	120.00 ml/min
9/15/2020 12:30 PM	08:00	4.45 pH	19.51 °C	100.53 µS/cm	4.15 mg/L	1.58 NTU	70.6 mV	55.55 ft	0.05 PSU	120.00 ml/min
9/15/2020 12:34 PM	12:00	4.45 pH	19.45 °C	100.18 µS/cm	4.16 mg/L	1.08 NTU	70.0 mV	55.56 ft	0.05 PSU	120.00 ml/min
9/15/2020 12:38 PM	16:00	4.45 pH	19.41 °C	99.88 µS/cm	4.15 mg/L	1.05 NTU	69.1 mV	55.56 ft	0.05 PSU	120.00 ml/min
9/15/2020 12:42 PM	20:00	4.45 pH	19.37 °C	99.90 µS/cm	4.16 mg/L	0.97 NTU	68.1 mV	55.58 ft	0.05 PSU	120.00 ml/min
9/15/2020 12:46 PM	24:00	4.46 pH	19.33 °C	99.78 µS/cm	4.14 mg/L	0.76 NTU	68.0 mV	55.58 ft	0.05 PSU	120.00 ml/min
9/15/2020 12:50 PM	28:00	4.46 pH	19.25 °C	99.86 µS/cm	4.14 mg/L	0.57 NTU	68.3 mV	55.58 ft	0.05 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-44	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/11/2020 12:43:26 PM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-45 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.6 ft Total Depth: 67.6 ft Initial Depth to Water: 46.52 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 62.6 ft Estimated Total Volume Pumped: 7200 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 3.43 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 1L

First 3 stable readings accomplished at 40 min of purging. pH is below desired range but has been stable for a while. Purged additional 30 minutes to see if pH will trend upward. PH remains stable and does not trend upward. Called TG, given permission to sample.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/11/2020 12:43 PM	00:00	5.11 pH	25.17 °C	22.63 µS/cm	6.09 mg/L	0.83 NTU	96.8 mV	46.52 ft	0.01 PSU	100.00 ml/min
9/11/2020 12:47 PM	04:00	5.00 pH	24.68 °C	23.80 µS/cm	6.07 mg/L	0.99 NTU	84.4 mV	47.75 ft	0.01 PSU	100.00 ml/min
9/11/2020 12:51 PM	08:00	4.97 pH	25.17 °C	24.01 µS/cm	6.00 mg/L	0.70 NTU	81.5 mV	48.00 ft	0.01 PSU	100.00 ml/min
9/11/2020 12:55 PM	12:00	4.96 pH	24.61 °C	23.75 µS/cm	5.75 mg/L	0.80 NTU	78.8 mV	48.21 ft	0.01 PSU	100.00 ml/min
9/11/2020 12:59 PM	16:00	4.96 pH	24.67 °C	23.50 µS/cm	5.54 mg/L	0.84 NTU	78.3 mV	48.42 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:03 PM	20:00	4.94 pH	24.77 °C	23.31 µS/cm	5.37 mg/L	0.69 NTU	76.3 mV	48.60 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:07 PM	24:00	4.94 pH	24.78 °C	23.29 µS/cm	5.37 mg/L	0.60 NTU	74.4 mV	48.76 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:11 PM	28:00	4.92 pH	24.13 °C	23.08 µS/cm	5.35 mg/L	0.64 NTU	74.1 mV	48.87 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:15 PM	32:00	4.92 pH	24.76 °C	23.17 µS/cm	5.36 mg/L	0.49 NTU	74.3 mV	49.00 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:19 PM	36:00	4.92 pH	24.54 °C	23.08 µS/cm	5.39 mg/L	0.64 NTU	73.2 mV	49.11 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:23 PM	40:00	4.91 pH	24.31 °C	23.08 µS/cm	5.49 mg/L	0.34 NTU	71.3 mV	49.21 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:27 PM	44:00	4.91 pH	24.06 °C	23.20 µS/cm	5.59 mg/L	0.44 NTU	71.6 mV	49.31 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:31 PM	48:00	4.92 pH	23.14 °C	23.04 µS/cm	5.60 mg/L	0.35 NTU	70.3 mV	49.44 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:35 PM	52:00	4.92 pH	23.26 °C	23.05 µS/cm	5.64 mg/L	0.36 NTU	69.9 mV	49.55 ft	0.01 PSU	100.00 ml/min

9/11/2020 1:39 PM	56:00	4.92 pH	23.43 °C	23.24 µS/cm	5.73 mg/L	0.36 NTU	69.9 mV	49.61 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:43 PM	01:00:00	4.91 pH	23.50 °C	23.07 µS/cm	5.70 mg/L	0.33 NTU	69.8 mV	49.77 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:47 PM	01:04:00	4.91 pH	23.72 °C	23.41 µS/cm	5.78 mg/L	0.34 NTU	70.1 mV	49.87 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:51 PM	01:08:00	4.90 pH	23.63 °C	23.22 µS/cm	5.74 mg/L	0.32 NTU	69.7 mV	49.95 ft	0.01 PSU	100.00 ml/min
9/11/2020 1:55 PM	01:12:00	4.91 pH	23.67 °C	23.34 µS/cm	5.82 mg/L	0.28 NTU	70.0 mV	49.95 ft	0.01 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-45	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/11/2020 11:27:57 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWC-45R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 118.1 ft Total Depth: 128.1 ft Initial Depth to Water: 52.43 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 123.1 ft Estimated Total Volume Pumped: 3640 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.12 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/11/2020 11:27 AM	00:00	7.08 pH	23.59 °C	371.63 µS/cm	3.20 mg/L	0.42 NTU	15.1 mV	52.43 ft	0.18 PSU	130.00 ml/min
9/11/2020 11:31 AM	04:00	6.98 pH	23.11 °C	372.59 µS/cm	1.69 mg/L	0.38 NTU	4.6 mV	52.52 ft	0.18 PSU	130.00 ml/min
9/11/2020 11:35 AM	08:00	7.13 pH	22.44 °C	358.68 µS/cm	2.84 mg/L	0.48 NTU	19.3 mV	52.55 ft	0.17 PSU	130.00 ml/min
9/11/2020 11:39 AM	12:00	7.21 pH	22.85 °C	359.11 µS/cm	3.44 mg/L	0.34 NTU	31.7 mV	52.55 ft	0.17 PSU	130.00 ml/min
9/11/2020 11:43 AM	16:00	7.24 pH	23.53 °C	357.93 µS/cm	3.59 mg/L	0.34 NTU	36.4 mV	52.55 ft	0.17 PSU	130.00 ml/min
9/11/2020 11:47 AM	20:00	7.25 pH	24.72 °C	357.90 µS/cm	3.59 mg/L	0.37 NTU	37.1 mV	52.55 ft	0.17 PSU	130.00 ml/min
9/11/2020 11:51 AM	24:00	7.25 pH	25.24 °C	355.36 µS/cm	3.59 mg/L	0.31 NTU	37.1 mV	52.55 ft	0.17 PSU	130.00 ml/min
9/11/2020 11:55 AM	28:00	7.26 pH	25.53 °C	355.15 µS/cm	3.64 mg/L	0.37 NTU	37.3 mV	52.55 ft	0.17 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-45R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/14/2020 2:58:28 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-46R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.1 ft Total Depth: 59.1 ft Initial Depth to Water: 41.99 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.1 ft Estimated Total Volume Pumped: 3100 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 1.36 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

At 15:04, dropped pump rate to 120 mL/min to stabilize head drop.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/14/2020 2:58 PM	00:00	7.56 pH	23.67 °C	431.72 µS/cm	6.94 mg/L	0.25 NTU	51.7 mV	41.99 ft	0.21 PSU	155.00 ml/min
9/14/2020 3:02 PM	04:00	7.45 pH	21.14 °C	438.89 µS/cm	6.75 mg/L	0.02 NTU	43.7 mV	43.13 ft	0.21 PSU	155.00 ml/min
9/14/2020 3:06 PM	08:00	7.44 pH	21.60 °C	442.39 µS/cm	6.72 mg/L	0.01 NTU	41.6 mV	43.28 ft	0.21 PSU	120.00 ml/min
9/14/2020 3:10 PM	12:00	7.44 pH	21.73 °C	439.02 µS/cm	6.41 mg/L	0.03 NTU	40.3 mV	43.28 ft	0.21 PSU	120.00 ml/min
9/14/2020 3:14 PM	16:00	7.44 pH	21.01 °C	438.32 µS/cm	6.46 mg/L	0.06 NTU	39.5 mV	43.32 ft	0.21 PSU	120.00 ml/min
9/14/2020 3:18 PM	20:00	7.43 pH	21.14 °C	438.14 µS/cm	6.44 mg/L	0.01 NTU	38.8 mV	43.35 ft	0.21 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-46R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/14/2020 2:00:36 PM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

Location Name: GWC-47 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.33 ft Total Depth: 67.33 ft Initial Depth to Water: 42.73 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 62.33 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/14/2020 2:00 PM	00:00	7.61 pH	26.81 °C	208.90 µS/cm	2.98 mg/L	2.07 NTU	41.5 mV	42.73 ft	0.10 PSU	140.00 ml/min
9/14/2020 2:04 PM	04:00	7.55 pH	22.27 °C	226.06 µS/cm	3.10 mg/L	2.20 NTU	37.4 mV	42.73 ft	0.11 PSU	140.00 ml/min
9/14/2020 2:08 PM	08:00	7.54 pH	21.91 °C	227.19 µS/cm	3.13 mg/L	1.45 NTU	36.8 mV	42.73 ft	0.11 PSU	140.00 ml/min
9/14/2020 2:12 PM	12:00	7.54 pH	21.84 °C	227.36 µS/cm	3.09 mg/L	0.96 NTU	35.9 mV	42.73 ft	0.11 PSU	140.00 ml/min
9/14/2020 2:16 PM	16:00	7.54 pH	21.73 °C	226.38 µS/cm	3.13 mg/L	1.25 NTU	35.4 mV	42.73 ft	0.11 PSU	140.00 ml/min
9/14/2020 2:20 PM	20:00	7.54 pH	21.82 °C	226.11 µS/cm	3.18 mg/L	1.01 NTU	35.1 mV	42.73 ft	0.11 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-47	Metals, TDS, Inorganics
Dup-2	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/15/2020 10:10:04 AM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

<p>Location Name: GWC-47R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.4 ft Total Depth: 84.4 ft Initial Depth to Water: 42.7 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.4 ft Estimated Total Volume Pumped: 3960 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 4.77 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728563</p>
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Test Notes:

Pre-purged 4.5 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/15/2020 10:10 AM	00:00	7.60 pH	19.01 °C	307.09 µS/cm	3.81 mg/L	0.81 NTU	43.0 mV	47.17 ft	0.15 PSU	110.00 ml/min
9/15/2020 10:14 AM	04:00	7.59 pH	18.79 °C	304.75 µS/cm	3.75 mg/L	0.43 NTU	45.2 mV	47.26 ft	0.15 PSU	110.00 ml/min
9/15/2020 10:18 AM	08:00	7.57 pH	19.28 °C	302.65 µS/cm	3.71 mg/L	0.47 NTU	44.5 mV	47.21 ft	0.15 PSU	110.00 ml/min
9/15/2020 10:22 AM	12:00	7.55 pH	20.27 °C	302.20 µS/cm	3.61 mg/L	0.42 NTU	44.1 mV	46.88 ft	0.15 PSU	110.00 ml/min
9/15/2020 10:26 AM	16:00	7.53 pH	19.82 °C	297.49 µS/cm	3.42 mg/L	0.58 NTU	42.4 mV	47.03 ft	0.14 PSU	110.00 ml/min
9/15/2020 10:30 AM	20:00	7.55 pH	19.48 °C	309.86 µS/cm	3.74 mg/L	0.38 NTU	39.8 mV	47.11 ft	0.15 PSU	110.00 ml/min
9/15/2020 10:34 AM	24:00	7.59 pH	19.34 °C	309.76 µS/cm	4.01 mg/L	0.37 NTU	39.5 mV	47.20 ft	0.15 PSU	110.00 ml/min
9/15/2020 10:38 AM	28:00	7.62 pH	19.24 °C	306.15 µS/cm	4.07 mg/L	0.39 NTU	39.8 mV	47.31 ft	0.15 PSU	110.00 ml/min
9/15/2020 10:42 AM	32:00	7.63 pH	19.21 °C	302.33 µS/cm	4.04 mg/L	0.44 NTU	39.9 mV	47.39 ft	0.15 PSU	110.00 ml/min
9/15/2020 10:46 AM	36:00	7.64 pH	19.20 °C	300.34 µS/cm	4.02 mg/L	0.36 NTU	40.1 mV	47.47 ft	0.14 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-47R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/14/2020 1:10:25 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.49 ft Total Depth: 59.49 ft Initial Depth to Water: 39.56 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.49 ft Estimated Total Volume Pumped: 7680 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.12 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 1 L

Pumped an additional 48 minutes after stabilization to bring pH into given range with no effect.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/14/2020 1:10 PM	00:00	5.02 pH	21.63 °C	41.87 µS/cm	4.50 mg/L	0.04 NTU	100.1 mV	39.56 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:14 PM	04:00	4.95 pH	20.75 °C	42.29 µS/cm	3.44 mg/L	0.02 NTU	64.9 mV	39.64 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:18 PM	08:00	5.02 pH	20.48 °C	46.65 µS/cm	3.44 mg/L	0.06 NTU	59.7 mV	39.65 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:22 PM	12:00	5.03 pH	20.41 °C	47.61 µS/cm	3.30 mg/L	0.05 NTU	58.4 mV	39.65 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:26 PM	16:00	5.03 pH	20.45 °C	47.43 µS/cm	3.20 mg/L	0.03 NTU	57.8 mV	39.65 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:30 PM	20:00	5.02 pH	20.65 °C	47.61 µS/cm	3.16 mg/L	0.03 NTU	58.1 mV	39.66 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:34 PM	24:00	5.03 pH	20.48 °C	47.78 µS/cm	3.17 mg/L	0.05 NTU	57.7 mV	39.67 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:38 PM	28:00	5.05 pH	20.43 °C	47.41 µS/cm	3.20 mg/L	0.04 NTU	58.4 mV	39.68 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:42 PM	32:00	5.05 pH	20.40 °C	46.75 µS/cm	3.26 mg/L	0.05 NTU	58.1 mV	39.68 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:46 PM	36:00	5.05 pH	20.59 °C	45.85 µS/cm	3.31 mg/L	0.00 NTU	59.6 mV	39.68 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:50 PM	40:00	5.05 pH	20.71 °C	45.27 µS/cm	3.37 mg/L	0.07 NTU	59.8 mV	39.68 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:54 PM	44:00	5.05 pH	20.98 °C	44.77 µS/cm	3.39 mg/L	0.04 NTU	59.6 mV	39.68 ft	0.02 PSU	120.00 ml/min
9/14/2020 1:58 PM	48:00	5.04 pH	20.97 °C	44.41 µS/cm	3.41 mg/L	0.03 NTU	60.4 mV	39.68 ft	0.02 PSU	120.00 ml/min
9/14/2020 2:02 PM	52:00	5.05 pH	21.01 °C	44.04 µS/cm	3.44 mg/L	0.02 NTU	60.5 mV	39.68 ft	0.02 PSU	120.00 ml/min
9/14/2020 2:06 PM	56:00	5.03 pH	21.05 °C	44.07 µS/cm	3.48 mg/L	0.03 NTU	61.5 mV	39.68 ft	0.02 PSU	120.00 ml/min

9/14/2020 2:10 PM	01:00:00	5.02 pH	21.21 °C	44.74 µS/cm	3.51 mg/L	0.06 NTU	62.1 mV	39.68 ft	0.02 PSU	120.00 ml/min
9/14/2020 2:14 PM	01:04:00	5.00 pH	21.14 °C	45.65 µS/cm	3.54 mg/L	0.05 NTU	62.5 mV	39.68 ft	0.02 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-48	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/11/2020 11:41:16 AM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWC-49R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 124.4 ft Total Depth: 134.4 ft Initial Depth to Water: 57.29 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 129.4 ft Estimated Total Volume Pumped: 13000 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: -1.98 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Prepurged 1.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/11/2020 11:41 AM	00:00	8.29 pH	21.83 °C	228.42 µS/cm	2.23 mg/L	3.28 NTU	-13.2 mV	57.29 ft	0.11 PSU	130.00 ml/min
9/11/2020 11:45 AM	04:00	8.32 pH	21.06 °C	240.15 µS/cm	2.89 mg/L	3.66 NTU	-19.8 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 11:49 AM	08:00	8.13 pH	20.92 °C	242.24 µS/cm	4.98 mg/L	3.12 NTU	2.9 mV	57.31 ft	0.12 PSU	130.00 ml/min
9/11/2020 11:53 AM	12:00	8.06 pH	20.75 °C	241.79 µS/cm	5.58 mg/L	2.76 NTU	20.6 mV	57.31 ft	0.12 PSU	130.00 ml/min
9/11/2020 11:57 AM	16:00	8.05 pH	20.83 °C	239.69 µS/cm	5.68 mg/L	2.44 NTU	28.5 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:01 PM	20:00	8.06 pH	20.69 °C	238.91 µS/cm	5.79 mg/L	1.67 NTU	31.2 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:05 PM	24:00	8.05 pH	20.64 °C	240.84 µS/cm	5.89 mg/L	1.88 NTU	32.5 mV	57.31 ft	0.12 PSU	130.00 ml/min
9/11/2020 12:09 PM	28:00	8.05 pH	20.69 °C	239.28 µS/cm	5.95 mg/L	3.37 NTU	33.0 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:13 PM	32:00	8.05 pH	20.65 °C	239.57 µS/cm	5.98 mg/L	2.77 NTU	33.5 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:17 PM	36:00	8.05 pH	20.62 °C	238.48 µS/cm	6.15 mg/L	1.49 NTU	33.5 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:21 PM	40:00	8.04 pH	20.42 °C	238.03 µS/cm	6.30 mg/L	1.35 NTU	33.8 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:25 PM	44:00	8.04 pH	20.44 °C	237.07 µS/cm	6.46 mg/L	1.36 NTU	33.9 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:29 PM	48:00	8.03 pH	20.47 °C	237.35 µS/cm	6.51 mg/L	1.26 NTU	34.3 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:33 PM	52:00	8.02 pH	20.51 °C	237.59 µS/cm	6.59 mg/L	1.33 NTU	34.5 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:37 PM	56:00	8.00 pH	20.73 °C	237.36 µS/cm	6.89 mg/L	1.21 NTU	34.8 mV	57.31 ft	0.11 PSU	130.00 ml/min

9/11/2020 12:41 PM	01:00:00	8.00 pH	20.65 °C	236.00 µS/cm	6.98 mg/L	1.31 NTU	35.0 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:45 PM	01:04:00	8.01 pH	20.25 °C	235.41 µS/cm	7.06 mg/L	1.65 NTU	35.0 mV	57.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:49 PM	01:08:00	8.02 pH	20.20 °C	235.79 µS/cm	7.07 mg/L	1.53 NTU	34.8 mV	55.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:53 PM	01:12:00	8.01 pH	21.55 °C	236.04 µS/cm	7.02 mg/L	1.22 NTU	34.0 mV	55.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 12:57 PM	01:16:00	8.01 pH	22.17 °C	235.28 µS/cm	6.99 mg/L	1.48 NTU	33.9 mV	55.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 1:01 PM	01:20:00	7.98 pH	22.28 °C	234.88 µS/cm	7.00 mg/L	1.32 NTU	34.9 mV	55.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 1:05 PM	01:24:00	7.98 pH	22.28 °C	234.77 µS/cm	6.99 mg/L	1.68 NTU	35.1 mV	55.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 1:09 PM	01:28:00	7.99 pH	22.37 °C	233.84 µS/cm	6.95 mg/L	1.22 NTU	34.7 mV	55.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 1:13 PM	01:32:00	7.99 pH	22.50 °C	234.39 µS/cm	7.02 mg/L	1.56 NTU	34.4 mV	55.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 1:17 PM	01:36:00	7.99 pH	22.62 °C	233.33 µS/cm	7.03 mg/L	1.32 NTU	35.1 mV	55.31 ft	0.11 PSU	130.00 ml/min
9/11/2020 1:21 PM	01:40:00	8.00 pH	22.39 °C	234.71 µS/cm	7.24 mg/L	1.25 NTU	36.4 mV	55.31 ft	0.11 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-49R	Metals, TDS, Inorganic

Low-Flow Test Report:

Test Date / Time: 9/14/2020 10:41:06 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWC-49Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 84.47 ft Total Depth: 94.47 ft Initial Depth to Water: 57.18 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 89.47 ft Estimated Total Volume Pumped: 9280 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 1.23 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Debris in water. At 11:12, pump rate raised to 160 mL/min to attempt to bring pH into given range. Pumped an additional 48 minutes to bring pH into range with no effect. Sampling approved by TG.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/14/2020 10:41 AM	00:00	6.17 pH	21.60 °C	23.44 µS/cm	6.45 mg/L	0.47 NTU	106.2 mV	57.18 ft	0.01 PSU	130.00 ml/min
9/14/2020 10:45 AM	04:00	5.44 pH	20.34 °C	25.09 µS/cm	6.20 mg/L	1.39 NTU	77.9 mV	57.79 ft	0.01 PSU	130.00 ml/min
9/14/2020 10:49 AM	08:00	5.35 pH	20.07 °C	25.34 µS/cm	6.71 mg/L	1.62 NTU	73.6 mV	57.91 ft	0.01 PSU	130.00 ml/min
9/14/2020 10:53 AM	12:00	5.33 pH	19.94 °C	25.40 µS/cm	6.84 mg/L	2.57 NTU	69.5 mV	58.00 ft	0.01 PSU	130.00 ml/min
9/14/2020 10:57 AM	16:00	5.33 pH	19.94 °C	25.34 µS/cm	6.81 mg/L	3.04 NTU	67.6 mV	58.05 ft	0.01 PSU	130.00 ml/min
9/14/2020 11:01 AM	20:00	5.32 pH	19.95 °C	25.31 µS/cm	6.83 mg/L	2.39 NTU	66.7 mV	58.10 ft	0.01 PSU	130.00 ml/min
9/14/2020 11:05 AM	24:00	5.33 pH	19.98 °C	25.24 µS/cm	6.76 mg/L	2.73 NTU	65.9 mV	58.13 ft	0.01 PSU	130.00 ml/min
9/14/2020 11:09 AM	28:00	5.33 pH	20.05 °C	25.18 µS/cm	6.72 mg/L	3.12 NTU	65.9 mV	58.15 ft	0.01 PSU	130.00 ml/min
9/14/2020 11:13 AM	32:00	5.33 pH	19.70 °C	25.10 µS/cm	6.74 mg/L	3.09 NTU	65.2 mV	58.26 ft	0.01 PSU	160.00 ml/min
9/14/2020 11:17 AM	36:00	5.34 pH	19.69 °C	24.98 µS/cm	6.78 mg/L	2.61 NTU	65.0 mV	58.31 ft	0.01 PSU	160.00 ml/min
9/14/2020 11:21 AM	40:00	5.34 pH	19.69 °C	24.87 µS/cm	6.87 mg/L	2.22 NTU	64.9 mV	58.36 ft	0.01 PSU	160.00 ml/min
9/14/2020 11:25 AM	44:00	5.33 pH	19.77 °C	24.67 µS/cm	6.94 mg/L	1.84 NTU	64.9 mV	58.38 ft	0.01 PSU	160.00 ml/min
9/14/2020 11:29 AM	48:00	5.34 pH	19.71 °C	24.57 µS/cm	7.01 mg/L	1.74 NTU	64.0 mV	58.41 ft	0.01 PSU	160.00 ml/min
9/14/2020 11:33 AM	52:00	5.33 pH	19.85 °C	24.48 µS/cm	7.00 mg/L	1.61 NTU	63.6 mV	58.41 ft	0.01 PSU	160.00 ml/min

9/14/2020 11:37 AM	56:00	5.32 pH	19.81 °C	24.45 µS/cm	7.14 mg/L	1.56 NTU	64.2 mV	58.41 ft	0.01 PSU	160.00 ml/min
9/14/2020 11:41 AM	01:00:00	5.33 pH	19.99 °C	24.36 µS/cm	7.13 mg/L	1.54 NTU	64.1 mV	58.41 ft	0.01 PSU	160.00 ml/min
9/14/2020 11:45 AM	01:04:00	5.32 pH	19.98 °C	24.27 µS/cm	7.17 mg/L	1.38 NTU	63.4 mV	58.41 ft	0.01 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-49Z	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/16/2020 10:28:06 AM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

Location Name: GWA-50 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 86.73 ft Total Depth: 96.73 ft Initial Depth to Water: 61.24 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 91.73 ft Estimated Total Volume Pumped: 16800 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 14.76 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Pre-purged 4 liter.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/16/2020 10:28 AM	00:00	6.10 pH	18.09 °C	25.11 µS/cm	7.13 mg/L	0.47 NTU	59.3 mV	67.25 ft	0.01 PSU	120.00 ml/min
9/16/2020 10:32 AM	04:00	5.53 pH	17.49 °C	20.15 µS/cm	6.99 mg/L	0.45 NTU	76.7 mV	67.55 ft	0.01 PSU	120.00 ml/min
9/16/2020 10:36 AM	08:00	5.49 pH	17.41 °C	19.79 µS/cm	6.82 mg/L	0.50 NTU	74.0 mV	67.72 ft	0.01 PSU	120.00 ml/min
9/16/2020 10:40 AM	12:00	5.51 pH	17.35 °C	19.62 µS/cm	6.74 mg/L	0.49 NTU	70.5 mV	68.23 ft	0.01 PSU	120.00 ml/min
9/16/2020 10:44 AM	16:00	5.53 pH	17.35 °C	19.97 µS/cm	6.63 mg/L	0.49 NTU	69.9 mV	68.71 ft	0.01 PSU	120.00 ml/min
9/16/2020 10:48 AM	20:00	5.54 pH	17.36 °C	20.13 µS/cm	6.70 mg/L	0.53 NTU	69.1 mV	69.14 ft	0.01 PSU	120.00 ml/min
9/16/2020 10:52 AM	24:00	5.55 pH	17.36 °C	20.15 µS/cm	6.72 mg/L	0.52 NTU	68.5 mV	69.56 ft	0.01 PSU	120.00 ml/min
9/16/2020 10:56 AM	28:00	5.56 pH	17.37 °C	19.95 µS/cm	6.67 mg/L	0.49 NTU	67.9 mV	69.89 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:00 AM	32:00	5.57 pH	17.37 °C	20.04 µS/cm	6.59 mg/L	0.47 NTU	67.5 mV	70.27 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:04 AM	36:00	5.58 pH	17.32 °C	20.06 µS/cm	6.66 mg/L	0.49 NTU	67.6 mV	70.64 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:08 AM	40:00	5.59 pH	17.35 °C	20.15 µS/cm	6.58 mg/L	0.44 NTU	66.6 mV	70.98 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:12 AM	44:00	5.61 pH	17.35 °C	20.52 µS/cm	6.58 mg/L	0.47 NTU	67.0 mV	71.29 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:16 AM	48:00	5.56 pH	17.31 °C	20.63 µS/cm	6.54 mg/L	0.52 NTU	71.5 mV	71.63 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:20 AM	52:00	5.56 pH	17.29 °C	20.61 µS/cm	6.66 mg/L	0.54 NTU	71.4 mV	71.94 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:24 AM	56:00	5.57 pH	17.30 °C	20.74 µS/cm	6.63 mg/L	0.49 NTU	71.4 mV	72.19 ft	0.01 PSU	120.00 ml/min

9/16/2020 11:28 AM	01:00:00	5.58 pH	17.28 °C	20.71 µS/cm	6.64 mg/L	0.46 NTU	71.8 mV	72.50 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:32 AM	01:04:00	5.58 pH	17.27 °C	20.71 µS/cm	6.60 mg/L	0.54 NTU	70.6 mV	72.80 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:36 AM	01:08:00	5.58 pH	17.28 °C	20.88 µS/cm	6.71 mg/L	0.54 NTU	71.9 mV	73.08 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:40 AM	01:12:00	5.58 pH	17.28 °C	20.89 µS/cm	6.65 mg/L	0.46 NTU	71.8 mV	73.33 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:44 AM	01:16:00	5.59 pH	17.28 °C	21.10 µS/cm	6.60 mg/L	0.53 NTU	71.1 mV	73.57 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:48 AM	01:20:00	5.60 pH	17.28 °C	21.07 µS/cm	6.58 mg/L	0.46 NTU	71.8 mV	73.83 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:52 AM	01:24:00	5.60 pH	17.28 °C	21.10 µS/cm	6.60 mg/L	0.52 NTU	71.4 mV	74.06 ft	0.01 PSU	120.00 ml/min
9/16/2020 11:56 AM	01:28:00	5.60 pH	17.27 °C	20.99 µS/cm	6.56 mg/L	0.42 NTU	72.1 mV	74.19 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:00 PM	01:32:00	5.61 pH	17.28 °C	21.08 µS/cm	6.51 mg/L	0.48 NTU	72.5 mV	74.42 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:04 PM	01:36:00	5.60 pH	17.28 °C	21.18 µS/cm	6.55 mg/L	0.47 NTU	73.2 mV	74.57 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:08 PM	01:40:00	5.61 pH	17.28 °C	21.29 µS/cm	6.44 mg/L	0.57 NTU	72.6 mV	74.73 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:12 PM	01:44:00	5.62 pH	17.28 °C	21.39 µS/cm	6.44 mg/L	0.42 NTU	73.1 mV	74.89 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:16 PM	01:48:00	5.62 pH	17.32 °C	21.43 µS/cm	6.35 mg/L	0.41 NTU	73.1 mV	75.06 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:20 PM	01:52:00	5.63 pH	17.33 °C	21.50 µS/cm	6.31 mg/L	0.46 NTU	73.5 mV	75.19 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:24 PM	01:56:00	5.63 pH	17.33 °C	21.47 µS/cm	6.45 mg/L	0.45 NTU	73.5 mV	75.33 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:28 PM	02:00:00	5.63 pH	17.37 °C	21.47 µS/cm	6.40 mg/L	0.45 NTU	73.8 mV	75.45 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:32 PM	02:04:00	5.63 pH	17.40 °C	21.70 µS/cm	6.40 mg/L	0.53 NTU	74.1 mV	75.58 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:36 PM	02:08:00	5.63 pH	17.43 °C	21.70 µS/cm	6.35 mg/L	0.56 NTU	73.6 mV	75.70 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:40 PM	02:12:00	5.63 pH	17.41 °C	21.46 µS/cm	6.31 mg/L	0.53 NTU	74.7 mV	75.81 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:44 PM	02:16:00	5.63 pH	17.36 °C	21.57 µS/cm	6.27 mg/L	0.53 NTU	74.9 mV	75.91 ft	0.01 PSU	120.00 ml/min
9/16/2020 12:48 PM	02:20:00	5.62 pH	17.36 °C	21.49 µS/cm	6.24 mg/L	0.62 NTU	76.2 mV	76.00 ft	0.01 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWA-50	Metals, TDS, Inorganics
Dup-1	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/15/2020 3:26:25 PM

Project: September 2020 LF Sampling

Operator Name: Kevin Stephenson

Location Name: GWA-50R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 135.53 ft Total Depth: 145.53 ft Initial Depth to Water: 77.09 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 140.53 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/15/2020 3:26 PM	00:00	5.49 pH	18.49 °C	18.39 µS/cm	9.67 mg/L	0.32 NTU	52.5 mV	77.10 ft	0.01 PSU	120.00 ml/min
9/15/2020 3:30 PM	04:00	5.31 pH	18.17 °C	16.48 µS/cm	10.11 mg/L	0.26 NTU	58.1 mV	77.10 ft	0.01 PSU	120.00 ml/min
9/15/2020 3:34 PM	08:00	5.25 pH	18.03 °C	16.00 µS/cm	10.02 mg/L	0.28 NTU	61.8 mV	77.10 ft	0.01 PSU	120.00 ml/min
9/15/2020 3:38 PM	12:00	5.24 pH	18.03 °C	15.74 µS/cm	10.02 mg/L	0.43 NTU	64.1 mV	77.10 ft	0.01 PSU	120.00 ml/min
9/15/2020 3:42 PM	16:00	5.24 pH	17.91 °C	15.69 µS/cm	9.83 mg/L	0.36 NTU	66.4 mV	77.10 ft	0.01 PSU	120.00 ml/min
9/15/2020 3:46 PM	20:00	5.24 pH	17.90 °C	15.68 µS/cm	9.69 mg/L	0.35 NTU	68.5 mV	77.10 ft	0.01 PSU	120.00 ml/min
9/15/2020 3:50 PM	24:00	5.25 pH	17.95 °C	15.83 µS/cm	10.36 mg/L	0.33 NTU	69.6 mV	77.10 ft	0.01 PSU	120.00 ml/min
9/15/2020 3:54 PM	28:00	5.26 pH	17.86 °C	15.78 µS/cm	10.19 mg/L	0.29 NTU	71.3 mV	77.10 ft	0.01 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWA-50R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/8/2020 9:53:56 AM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

<p>Location Name: GWA-51RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 84.23 ft Total Depth: 94.23 ft Initial Depth to Water: 57.78 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 89.23 ft Estimated Total Volume Pumped: 16000 ml Flow Cell Volume: 90 ml Final Flow Rate: 190 ml/min Final Draw Down: 26.83 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728634</p>
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Test Notes:

Prepurged 2 liters

Performed complete evac

Will sample on 9/9

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/8/2020 9:53 AM	00:00	7.30 pH	19.47 °C	821.79 µS/cm	0.84 mg/L	0.65 NTU	-21.6 mV	57.78 ft	0.41 PSU	160.00 ml/min
9/8/2020 9:57 AM	04:00	7.37 pH	19.18 °C	820.47 µS/cm	0.37 mg/L	1.05 NTU	-17.2 mV	59.55 ft	0.41 PSU	160.00 ml/min
9/8/2020 10:01 AM	08:00	7.39 pH	19.29 °C	807.81 µS/cm	1.67 mg/L	0.76 NTU	-6.2 mV	61.24 ft	0.40 PSU	160.00 ml/min
9/8/2020 10:05 AM	12:00	7.36 pH	19.31 °C	796.84 µS/cm	2.91 mg/L	0.02 NTU	1.2 mV	62.21 ft	0.39 PSU	160.00 ml/min
9/8/2020 10:09 AM	16:00	7.36 pH	19.33 °C	784.80 µS/cm	3.67 mg/L	0.21 NTU	10.4 mV	63.06 ft	0.39 PSU	160.00 ml/min
9/8/2020 10:13 AM	20:00	7.46 pH	19.40 °C	765.21 µS/cm	3.82 mg/L	0.41 NTU	11.5 mV	64.01 ft	0.38 PSU	160.00 ml/min
9/8/2020 10:17 AM	24:00	7.44 pH	19.42 °C	734.61 µS/cm	3.85 mg/L	1.03 NTU	14.3 mV	65.09 ft	0.36 PSU	100.00 ml/min
9/8/2020 10:21 AM	28:00	7.39 pH	18.88 °C	709.13 µS/cm	3.69 mg/L	0.66 NTU	16.4 mV	66.38 ft	0.35 PSU	100.00 ml/min
9/8/2020 10:25 AM	32:00	7.38 pH	18.87 °C	700.27 µS/cm	3.61 mg/L	0.33 NTU	16.5 mV	67.71 ft	0.34 PSU	100.00 ml/min
9/8/2020 10:29 AM	36:00	7.39 pH	18.74 °C	697.57 µS/cm	3.66 mg/L	0.21 NTU	16.5 mV	68.95 ft	0.34 PSU	100.00 ml/min
9/8/2020 10:33 AM	40:00	7.38 pH	18.69 °C	680.25 µS/cm	3.68 mg/L	1.12 NTU	17.4 mV	70.29 ft	0.33 PSU	100.00 ml/min
9/8/2020 10:37 AM	44:00	7.37 pH	18.60 °C	680.38 µS/cm	3.70 mg/L	1.29 NTU	17.7 mV	71.72 ft	0.33 PSU	100.00 ml/min
9/8/2020 10:41 AM	48:00	7.37 pH	18.78 °C	693.29 µS/cm	3.72 mg/L	1.03 NTU	17.7 mV	72.94 ft	0.34 PSU	100.00 ml/min
9/8/2020 10:45 AM	52:00	7.38 pH	18.73 °C	698.22 µS/cm	3.75 mg/L	1.24 NTU	17.7 mV	74.30 ft	0.34 PSU	100.00 ml/min

9/8/2020 10:49 AM	56:00	7.39 pH	18.83 °C	697.93 µS/cm	3.77 mg/L	2.67 NTU	17.2 mV	75.71 ft	0.34 PSU	100.00 ml/min
9/8/2020 10:53 AM	01:00:00	7.40 pH	18.87 °C	694.10 µS/cm	3.81 mg/L	2.32 NTU	16.7 mV	76.75 ft	0.34 PSU	100.00 ml/min
9/8/2020 10:57 AM	01:04:00	7.41 pH	18.96 °C	693.14 µS/cm	3.83 mg/L	2.53 NTU	16.9 mV	78.00 ft	0.34 PSU	100.00 ml/min
9/8/2020 11:01 AM	01:08:00	7.42 pH	18.89 °C	696.00 µS/cm	3.87 mg/L	1.10 NTU	17.3 mV	79.38 ft	0.34 PSU	100.00 ml/min
9/8/2020 11:05 AM	01:12:00	7.46 pH	18.96 °C	692.60 µS/cm	3.90 mg/L	1.86 NTU	16.2 mV	80.45 ft	0.34 PSU	100.00 ml/min
9/8/2020 11:09 AM	01:16:00	7.45 pH	19.00 °C	685.32 µS/cm	3.94 mg/L	3.02 NTU	17.0 mV	81.86 ft	0.34 PSU	100.00 ml/min
9/8/2020 11:13 AM	01:20:00	7.44 pH	19.00 °C	697.08 µS/cm	4.00 mg/L	2.24 NTU	17.4 mV	82.98 ft	0.34 PSU	100.00 ml/min
9/8/2020 11:17 AM	01:24:00	7.43 pH	19.06 °C	693.98 µS/cm	4.02 mg/L	1.83 NTU	18.0 mV	84.07 ft	0.34 PSU	100.00 ml/min
9/8/2020 11:21 AM	01:28:00	7.44 pH	19.09 °C	685.64 µS/cm	4.03 mg/L	1.60 NTU	17.8 mV	84.61 ft	0.34 PSU	100.00 ml/min

Notes: Water Level below screen, complete evacuation performed. Will Sample on 9/9/20

Samples

Sample ID:	Description:
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Location Properties

Location Name = Device Location

Well: GWA-51RZ

Report Properties

Start Time = 2020-09-09 09:51:04

Time Offset = -04:00:00

Duration = 00:00:38

Readings = 20

Instrument Properties

Device Model = Aqua TROLL 400

Device SN = 728634

Instrument Properties

Device Model = In-Situ Bluetooth Device

Device SN = 727023

Date Time	RDO Concentration (mg/L)	RDO Saturation (%Sat)	Oxygen Partial Pressure (Torr)	Actual Conductivity (µS/cm)	Temperature (°C)	Specific Conductivity (µS/cm)	Salinity (PSU)	Total Dissolved Solids (ppt)	Resistivity (Ω-cm)	Density (g/cm³)	Pressure (psi)	Depth (ft)	pH (pH)	pH mV	ORP (mV)	Barometric Pressure (mbar)	Temperature (°C)	Marked
9/9/2020 9:51	7.22112	88.30692	118.2211	399.215	24.58214	402.4269	0.194848	0.261578	2504.916	0.997302	-0.13573	0.323405	7.621022	-33.0768	105.5688	996.6597	26.21	
9/9/2020 9:51	7.22112	88.30692	118.2211	399.215	24.58214	402.4269	0.194848	0.261578	2504.916	0.997302	-0.13573	0.323405	7.621022	-33.0768	105.5688	996.6597	26.21	
9/9/2020 9:51	6.973038	84.91988	113.7307	391.6806	24.3571	396.5483	0.191933	0.257756	2553.162	0.997356	-0.12935	0.338113	7.615958	-32.768	125.6165	996.6221	26.23816	
9/9/2020 9:51	6.957167	84.70319	113.4435	391.1985	24.34271	396.1722	0.191747	0.257512	2556.248	0.99736	-0.12894	0.339054	7.615634	-32.7482	126.899	996.6198	26.23996	
9/9/2020 9:51	6.941297	84.48651	113.1562	390.7166	24.32831	395.7961	0.19156	0.257268	2559.334	0.997363	-0.12854	0.339994	7.615311	-32.7284	128.1815	996.6174	26.24176	
9/9/2020 9:51	6.925426	84.26984	112.869	390.2346	24.31392	395.42	0.191374	0.257023	2562.421	0.997367	-0.12813	0.340935	7.614986	-32.7087	129.4641	996.6149	26.24356	
9/9/2020 9:51	7.067877	85.57922	114.679	391.1053	24.19866	397.1839	0.192254	0.25817	2556.879	0.997396	-0.12844	0.34021	7.609789	-32.3961	132.866	996.6117	26.24813	
9/9/2020 9:51	7.067877	85.5506	114.6444	390.9496	24.18765	397.1113	0.192218	0.258122	2557.877	0.997399	-0.12829	0.340558	7.609424	-32.374	133.538	996.6106	26.24906	
9/9/2020 9:51	7.067877	85.52197	114.6098	390.7939	24.17663	397.0387	0.192182	0.258075	2558.876	0.997402	-0.12814	0.340906	7.609059	-32.3519	134.21	996.6095	26.25	
9/9/2020 9:51	6.923491	83.48265	111.9152	384.8024	23.84475	393.4805	0.190423	0.255762	2598.852	0.997482	-0.12803	0.341168	7.600917	-31.8478	132.9483	996.61	26.28369	
9/9/2020 9:51	6.918621	83.40115	111.8089	384.516	23.82651	393.3287	0.190348	0.255664	2600.761	0.997487	-0.12801	0.341218	7.600427	-31.8176	133.0246	996.6098	26.28542	
9/9/2020 9:51	6.91375	83.31966	111.7027	384.2295	23.80827	393.1769	0.190273	0.255565	2602.67	0.997491	-0.12798	0.341269	7.599937	-31.7874	133.1009	996.6096	26.28716	
9/9/2020 9:51	6.908879	83.23816	111.5965	383.943	23.79002	393.0251	0.190198	0.255466	2604.579	0.997495	-0.12796	0.341319	7.599447	-31.7573	133.1771	996.6094	26.2889	
9/9/2020 9:51	6.943438	83.42199	111.874	384.2865	23.63966	394.5374	0.190952	0.256449	2602.25	0.997533	-0.14985	0.290824	7.592459	-31.3428	131.5898	996.6182	26.31421	
9/9/2020 9:51	6.942055	83.38895	111.8319	384.1804	23.62642	394.5312	0.190949	0.256445	2602.956	0.997536	-0.1508	0.288642	7.59199	-31.3145	131.5058	996.6185	26.31599	
9/9/2020 9:51	6.940672	83.3559	111.7897	384.0743	23.61318	394.5251	0.190947	0.256441	2603.662	0.997539	-0.15174	0.28646	7.591521	-31.2863	131.4217	996.6189	26.31777	
9/9/2020 9:51	6.93929	83.32286	111.7476	383.9681	23.59994	394.5189	0.190944	0.256437	2604.368	0.997542	-0.15269	0.284278	7.591053	-31.2581	131.3376	996.6193	26.31955	
9/9/2020 9:51	6.812389	81.44227	109.2674	381.0366	23.47043	392.5027	0.189945	0.255127	2624.443	0.997573	-0.12068	0.358119	7.583857	-30.8354	130.1236	996.5845	26.33657	
9/9/2020 9:51	6.807252	81.36007	109.1597	380.9062	23.46158	392.437	0.189912	0.255084	2625.335	0.997575	-0.11965	0.360494	7.5834	-30.8085	130.0419	996.5831	26.33782	
9/9/2020 9:51	6.802115	81.27787	109.0519	380.7758	23.45272	392.3713	0.18988	0.255041	2626.228	0.997577	-0.11862	0.36287	7.582943	-30.7816	129.9602	996.5817	26.33908	

Low-Flow Test Report:

Test Date / Time: 9/3/2020 3:17:28 PM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

Location Name: GWA-52 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74 ft Total Depth: 84 ft Initial Depth to Water: 58.2 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728648
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/3/2020 3:17 PM	00:00	7.50 pH	22.11 °C	273.52 µS/cm	7.59 mg/L	0.31 NTU	32.6 mV	58.20 ft	0.13 PSU	125.00 ml/min
9/3/2020 3:21 PM	04:00	7.53 pH	21.98 °C	271.41 µS/cm	7.65 mg/L	0.25 NTU	32.8 mV	58.20 ft	0.13 PSU	125.00 ml/min
9/3/2020 3:25 PM	08:00	7.56 pH	22.29 °C	265.28 µS/cm	7.64 mg/L	0.54 NTU	33.1 mV	58.20 ft	0.13 PSU	125.00 ml/min
9/3/2020 3:29 PM	12:00	7.58 pH	22.16 °C	261.59 µS/cm	7.65 mg/L	0.57 NTU	33.4 mV	58.20 ft	0.13 PSU	125.00 ml/min
9/3/2020 3:33 PM	16:00	7.60 pH	22.18 °C	262.82 µS/cm	7.76 mg/L	0.57 NTU	33.7 mV	58.20 ft	0.13 PSU	125.00 ml/min

Samples

Sample ID:	Description:
GWA-52	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/8/2020 10:09:07 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

<p>Location Name: GWA-53 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 110.92 ft Total Depth: 120.92 ft Initial Depth to Water: 59.31 ft</p>	<p>Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 115.92 ft Estimated Total Volume Pumped: 11960 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.04 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728638</p>
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Test Notes:

Prepurged 0.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/8/2020 10:09 AM	00:00	7.62 pH	22.06 °C	260.21 µS/cm	6.78 mg/L	1,000.00 NTU	71.2 mV	59.31 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:13 AM	04:00	7.63 pH	20.61 °C	257.77 µS/cm	6.98 mg/L	94.40 NTU	71.7 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:17 AM	08:00	7.65 pH	20.61 °C	258.42 µS/cm	6.98 mg/L	62.70 NTU	63.1 mV	59.38 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:21 AM	12:00	7.65 pH	20.57 °C	258.88 µS/cm	6.99 mg/L	46.10 NTU	60.1 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:25 AM	16:00	7.67 pH	20.57 °C	258.83 µS/cm	6.95 mg/L	32.50 NTU	54.5 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:29 AM	20:00	7.67 pH	20.53 °C	258.04 µS/cm	6.93 mg/L	23.30 NTU	51.8 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:33 AM	24:00	7.67 pH	20.12 °C	258.75 µS/cm	6.95 mg/L	21.40 NTU	50.8 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:37 AM	28:00	7.66 pH	20.01 °C	258.34 µS/cm	6.94 mg/L	17.40 NTU	40.0 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:41 AM	32:00	7.67 pH	20.47 °C	259.03 µS/cm	6.94 mg/L	14.50 NTU	39.3 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:45 AM	36:00	7.68 pH	20.34 °C	258.54 µS/cm	6.98 mg/L	11.60 NTU	39.9 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:49 AM	40:00	7.68 pH	20.63 °C	258.96 µS/cm	6.98 mg/L	9.77 NTU	35.3 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:53 AM	44:00	7.68 pH	20.69 °C	258.51 µS/cm	6.98 mg/L	8.33 NTU	34.5 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 10:57 AM	48:00	7.67 pH	20.91 °C	258.11 µS/cm	6.93 mg/L	7.73 NTU	34.4 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:01 AM	52:00	7.67 pH	20.86 °C	258.14 µS/cm	6.91 mg/L	7.00 NTU	38.1 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:05 AM	56:00	7.68 pH	20.83 °C	258.05 µS/cm	6.93 mg/L	6.66 NTU	33.8 mV	59.35 ft	0.12 PSU	130.00 ml/min

9/8/2020 11:09 AM	01:00:00	7.67 pH	20.86 °C	257.34 µS/cm	6.91 mg/L	7.50 NTU	29.9 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:13 AM	01:04:00	7.67 pH	20.92 °C	257.90 µS/cm	6.90 mg/L	7.30 NTU	29.0 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:17 AM	01:08:00	7.67 pH	21.04 °C	257.88 µS/cm	6.91 mg/L	6.76 NTU	30.6 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:21 AM	01:12:00	7.67 pH	21.19 °C	257.23 µS/cm	6.91 mg/L	5.47 NTU	28.9 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:25 AM	01:16:00	7.68 pH	21.11 °C	256.57 µS/cm	6.89 mg/L	5.48 NTU	30.9 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:29 AM	01:20:00	7.67 pH	20.92 °C	257.71 µS/cm	6.92 mg/L	5.02 NTU	29.1 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:33 AM	01:24:00	7.67 pH	21.19 °C	257.02 µS/cm	6.95 mg/L	4.76 NTU	32.1 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:37 AM	01:28:00	7.67 pH	21.28 °C	257.16 µS/cm	6.98 mg/L	4.41 NTU	29.9 mV	59.35 ft	0.12 PSU	130.00 ml/min
9/8/2020 11:41 AM	01:32:00	7.67 pH	21.33 °C	257.08 µS/cm	6.98 mg/L	4.27 NTU	27.4 mV	59.35 ft	0.12 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-53	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/8/2020 12:25:01 PM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-53R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 158.48 ft Total Depth: 168.48 ft Initial Depth to Water: 59.98 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 163.48 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

White sediment in water. Pumped another 20 minutes after stabilization to minimize sediment.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/8/2020 12:25 PM	00:00	7.52 pH	23.27 °C	263.65 µS/cm	5.03 mg/L	17.50 NTU	42.0 mV	59.98 ft	0.13 PSU	150.00 ml/min
9/8/2020 12:29 PM	04:00	7.66 pH	21.01 °C	265.07 µS/cm	6.71 mg/L	3.73 NTU	27.8 mV	60.01 ft	0.13 PSU	150.00 ml/min
9/8/2020 12:33 PM	08:00	7.67 pH	21.19 °C	265.73 µS/cm	6.71 mg/L	5.81 NTU	26.0 mV	60.01 ft	0.13 PSU	150.00 ml/min
9/8/2020 12:37 PM	12:00	7.68 pH	21.01 °C	263.91 µS/cm	6.64 mg/L	4.00 NTU	25.7 mV	60.01 ft	0.13 PSU	150.00 ml/min
9/8/2020 12:41 PM	16:00	7.68 pH	21.13 °C	263.94 µS/cm	6.64 mg/L	3.52 NTU	25.0 mV	60.01 ft	0.13 PSU	150.00 ml/min
9/8/2020 12:45 PM	20:00	7.67 pH	21.00 °C	263.87 µS/cm	6.65 mg/L	3.14 NTU	25.1 mV	60.01 ft	0.13 PSU	150.00 ml/min
9/8/2020 12:49 PM	24:00	7.67 pH	21.15 °C	263.09 µS/cm	6.66 mg/L	1.88 NTU	24.5 mV	60.01 ft	0.13 PSU	150.00 ml/min
9/8/2020 12:53 PM	28:00	7.68 pH	20.74 °C	262.68 µS/cm	6.72 mg/L	1.23 NTU	24.4 mV	60.01 ft	0.13 PSU	150.00 ml/min
9/8/2020 12:57 PM	32:00	7.68 pH	20.83 °C	262.21 µS/cm	6.68 mg/L	0.96 NTU	24.0 mV	60.01 ft	0.13 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-53R	Metals, TDS, Inorganics

DUP-2

Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/8/2020 11:59:14 AM

Project: September 2020 LF Sampling

Operator Name: Joe Booth

Location Name: GWC-54 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.11 ft Total Depth: 76.11 ft Initial Depth to Water: 52.4 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.11 ft Estimated Total Volume Pumped: 4560 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728634
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Test Notes:

Prepurged 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/8/2020 11:59 AM	00:00	7.05 pH	22.39 °C	408.74 µS/cm	4.55 mg/L	1.14 NTU	23.8 mV	52.40 ft	0.20 PSU	150.00 ml/min
9/8/2020 12:03 PM	04:00	7.18 pH	21.90 °C	416.30 µS/cm	4.55 mg/L	1.16 NTU	25.6 mV	52.42 ft	0.20 PSU	150.00 ml/min
9/8/2020 12:07 PM	08:00	7.30 pH	21.86 °C	435.07 µS/cm	4.37 mg/L	1.12 NTU	24.9 mV	52.42 ft	0.21 PSU	140.00 ml/min
9/8/2020 12:11 PM	12:00	7.44 pH	21.81 °C	451.26 µS/cm	3.32 mg/L	1.06 NTU	23.6 mV	52.42 ft	0.22 PSU	140.00 ml/min
9/8/2020 12:15 PM	16:00	7.49 pH	21.94 °C	457.22 µS/cm	2.73 mg/L	1.10 NTU	22.9 mV	52.42 ft	0.22 PSU	140.00 ml/min
9/8/2020 12:19 PM	20:00	7.54 pH	21.60 °C	457.15 µS/cm	2.53 mg/L	1.18 NTU	22.7 mV	52.42 ft	0.22 PSU	140.00 ml/min
9/8/2020 12:23 PM	24:00	7.55 pH	21.44 °C	458.17 µS/cm	2.58 mg/L	1.22 NTU	22.6 mV	52.42 ft	0.22 PSU	140.00 ml/min
9/8/2020 12:27 PM	28:00	7.55 pH	21.38 °C	460.04 µS/cm	2.75 mg/L	1.04 NTU	23.2 mV	52.42 ft	0.22 PSU	140.00 ml/min
9/8/2020 12:31 PM	32:00	7.56 pH	21.62 °C	459.25 µS/cm	2.90 mg/L	1.16 NTU	22.8 mV	52.42 ft	0.22 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWA-54	Metals TDS Inorganic

Low-Flow Test Report:

Test Date / Time: 9/4/2020 10:13:27 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-55 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 55.24 ft Total Depth: 65.24 ft Initial Depth to Water: 44.77 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 60.24 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Well performed well

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/4/2020 10:13 AM	00:00	7.10 pH	22.33 °C	382.61 µS/cm	3.36 mg/L	0.12 NTU	64.4 mV	44.77 ft	0.19 PSU	160.00 ml/min
9/4/2020 10:17 AM	04:00	7.20 pH	20.57 °C	405.63 µS/cm	3.20 mg/L	0.76 NTU	52.6 mV	44.78 ft	0.20 PSU	160.00 ml/min
9/4/2020 10:21 AM	08:00	7.21 pH	20.31 °C	410.60 µS/cm	3.15 mg/L	1.22 NTU	49.2 mV	44.79 ft	0.20 PSU	160.00 ml/min
9/4/2020 10:25 AM	12:00	7.23 pH	20.27 °C	415.07 µS/cm	2.98 mg/L	0.48 NTU	48.8 mV	44.79 ft	0.20 PSU	160.00 ml/min
9/4/2020 10:29 AM	16:00	7.24 pH	20.20 °C	414.27 µS/cm	2.97 mg/L	0.50 NTU	46.3 mV	44.79 ft	0.20 PSU	160.00 ml/min
9/4/2020 10:33 AM	20:00	7.24 pH	20.24 °C	413.30 µS/cm	3.00 mg/L	0.37 NTU	43.9 mV	44.79 ft	0.20 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWA-55	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/4/2020 11:05:39 AM

Project: September 2020 LF Sampling

Operator Name: William Laaker

Location Name: GWA-55R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 95.7 ft Total Depth: 105.7 ft Initial Depth to Water: 44.62 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 100.7 ft Estimated Total Volume Pumped: 4080 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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Test Notes:

Prepurged 0.5 L

Well performed well

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
9/4/2020 11:05 AM	00:00	7.38 pH	25.40 °C	341.50 µS/cm	4.72 mg/L	0.23 NTU	4.5 mV	44.62 ft	0.16 PSU	170.00 ml/min
9/4/2020 11:09 AM	04:00	7.37 pH	21.45 °C	329.12 µS/cm	0.71 mg/L	0.85 NTU	-10.2 mV	44.63 ft	0.16 PSU	170.00 ml/min
9/4/2020 11:13 AM	08:00	7.58 pH	20.87 °C	317.43 µS/cm	0.32 mg/L	0.26 NTU	14.3 mV	44.64 ft	0.15 PSU	170.00 ml/min
9/4/2020 11:17 AM	12:00	7.63 pH	20.57 °C	316.39 µS/cm	0.17 mg/L	0.56 NTU	22.1 mV	44.65 ft	0.15 PSU	170.00 ml/min
9/4/2020 11:21 AM	16:00	7.64 pH	20.52 °C	315.96 µS/cm	0.15 mg/L	0.58 NTU	24.2 mV	44.66 ft	0.15 PSU	170.00 ml/min
9/4/2020 11:25 AM	20:00	7.64 pH	20.48 °C	319.76 µS/cm	0.16 mg/L	0.55 NTU	25.2 mV	44.66 ft	0.15 PSU	170.00 ml/min
9/4/2020 11:29 AM	24:00	7.64 pH	20.57 °C	322.40 µS/cm	0.23 mg/L	0.52 NTU	25.4 mV	44.67 ft	0.16 PSU	170.00 ml/min

Samples

Sample ID:	Description:
GWA-55R	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 9/4/2020 9:55:28 AM

Project: September 2020 LF Sampling

Operator Name: Veronica Fay

<p>Location Name: GWA-56 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 75.9 ft Total Depth: 85.9 ft Initial Depth to Water: 40.23 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 80.9 ft Estimated Total Volume Pumped: 7680 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.42 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 728648</p>
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
9/4/2020 9:55 AM	00:00	7.92 pH	21.04 °C	585.46 µS/cm	0.74 mg/L	0.28 NTU	98.4 mV	40.65 ft	0.29 PSU	120.00 ml/min
9/4/2020 9:59 AM	04:00	7.92 pH	21.04 °C	587.97 µS/cm	0.72 mg/L	0.31 NTU	76.3 mV	40.65 ft	0.29 PSU	120.00 ml/min
9/4/2020 10:03 AM	08:00	7.92 pH	21.49 °C	588.15 µS/cm	0.69 mg/L	0.30 NTU	65.0 mV	40.65 ft	0.29 PSU	120.00 ml/min
9/4/2020 10:07 AM	12:00	7.92 pH	21.53 °C	584.13 µS/cm	0.68 mg/L	0.39 NTU	51.0 mV	40.65 ft	0.29 PSU	120.00 ml/min
9/4/2020 10:11 AM	16:00	7.92 pH	21.45 °C	583.45 µS/cm	0.79 mg/L	0.62 NTU	42.3 mV	40.65 ft	0.29 PSU	120.00 ml/min
9/4/2020 10:15 AM	20:00	7.91 pH	21.63 °C	579.47 µS/cm	0.89 mg/L	0.52 NTU	37.3 mV	40.65 ft	0.28 PSU	120.00 ml/min
9/4/2020 10:19 AM	24:00	7.91 pH	21.35 °C	575.65 µS/cm	1.04 mg/L	0.57 NTU	33.0 mV	40.65 ft	0.28 PSU	120.00 ml/min
9/4/2020 10:23 AM	28:00	7.90 pH	21.30 °C	569.78 µS/cm	1.30 mg/L	0.62 NTU	30.5 mV	40.65 ft	0.28 PSU	120.00 ml/min
9/4/2020 10:27 AM	32:00	7.88 pH	21.69 °C	570.48 µS/cm	1.59 mg/L	0.58 NTU	28.7 mV	40.65 ft	0.28 PSU	120.00 ml/min
9/4/2020 10:31 AM	36:00	7.87 pH	21.69 °C	567.50 µS/cm	1.79 mg/L	0.61 NTU	27.7 mV	40.65 ft	0.28 PSU	120.00 ml/min
9/4/2020 10:35 AM	40:00	7.86 pH	21.62 °C	561.77 µS/cm	1.93 mg/L	0.59 NTU	26.7 mV	40.65 ft	0.27 PSU	120.00 ml/min
9/4/2020 10:39 AM	44:00	7.86 pH	21.98 °C	560.09 µS/cm	2.07 mg/L	0.56 NTU	26.0 mV	40.65 ft	0.27 PSU	120.00 ml/min
9/4/2020 10:43 AM	48:00	7.85 pH	21.69 °C	556.12 µS/cm	2.24 mg/L	0.53 NTU	26.0 mV	40.65 ft	0.27 PSU	120.00 ml/min
9/4/2020 10:47 AM	52:00	7.84 pH	21.79 °C	555.66 µS/cm	2.35 mg/L	0.56 NTU	25.9 mV	40.65 ft	0.27 PSU	120.00 ml/min
9/4/2020 10:51 AM	56:00	7.83 pH	22.00 °C	553.91 µS/cm	2.47 mg/L	0.46 NTU	25.9 mV	40.65 ft	0.27 PSU	120.00 ml/min

9/4/2020 10:55 AM	01:00:00	7.83 pH	22.00 °C	552.31 µS/cm	2.55 mg/L	0.46 NTU	25.6 mV	40.65 ft	0.27 PSU	120.00 ml/min
9/4/2020 10:59 AM	01:04:00	7.82 pH	22.00 °C	548.12 µS/cm	2.58 mg/L	0.46 NTU	25.7 mV	40.65 ft	0.27 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWA-56	Metals, TDS, Inorganics

Low-Flow Test Report:

Test Date / Time: 12/14/2020 12:02:33 PM

Project: December 2020 LF Resample

Operator Name: William Laaker

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 38.43 ft	Pump Type: QED Dedicatd Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 6280 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 6.07 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Prepurged 1 L

At 20 min in, raised pump rate to 170 mL/min. Water level fell into screen interval, so full evac. was performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
12/14/2020 12:02 PM	00:00	7.34 pH	16.16 °C	801.73 µS/cm	5.60 mg/L	0.65 NTU	73.2 mV	38.43 ft	0.40 PSU	120.00 ml/min
12/14/2020 12:06 PM	04:00	7.33 pH	15.98 °C	796.81 µS/cm	5.35 mg/L	0.76 NTU	71.3 mV	39.75 ft	0.39 PSU	120.00 ml/min
12/14/2020 12:10 PM	08:00	7.33 pH	15.75 °C	798.96 µS/cm	5.22 mg/L	0.56 NTU	69.8 mV	39.91 ft	0.39 PSU	120.00 ml/min
12/14/2020 12:14 PM	12:00	7.34 pH	15.76 °C	801.01 µS/cm	5.25 mg/L	0.72 NTU	68.1 mV	39.93 ft	0.40 PSU	120.00 ml/min
12/14/2020 12:18 PM	16:00	7.35 pH	15.64 °C	801.23 µS/cm	5.31 mg/L	0.76 NTU	66.8 mV	39.95 ft	0.40 PSU	120.00 ml/min
12/14/2020 12:22 PM	20:00	7.35 pH	15.53 °C	805.50 µS/cm	5.50 mg/L	0.54 NTU	65.7 mV	40.22 ft	0.40 PSU	120.00 ml/min
12/14/2020 12:26 PM	24:00	7.35 pH	15.83 °C	809.84 µS/cm	5.70 mg/L	0.54 NTU	65.9 mV	40.54 ft	0.40 PSU	170.00 ml/min
12/14/2020 12:30 PM	28:00	7.34 pH	15.68 °C	815.11 µS/cm	5.76 mg/L	0.36 NTU	65.7 mV	40.83 ft	0.40 PSU	170.00 ml/min
12/14/2020 12:34 PM	32:00	7.34 pH	15.80 °C	817.96 µS/cm	5.82 mg/L	0.44 NTU	65.3 mV	41.60 ft	0.40 PSU	170.00 ml/min
12/14/2020 12:38 PM	36:00	7.35 pH	15.77 °C	818.06 µS/cm	5.73 mg/L	0.41 NTU	64.6 mV	42.50 ft	0.40 PSU	170.00 ml/min
12/14/2020 12:42 PM	40:00	7.34 pH	15.78 °C	818.46 µS/cm	5.64 mg/L	0.66 NTU	63.9 mV	43.48 ft	0.40 PSU	170.00 ml/min
12/14/2020 12:46 PM	44:00	7.34 pH	15.82 °C	819.93 µS/cm	5.86 mg/L	0.96 NTU	63.3 mV	44.50 ft	0.41 PSU	170.00 ml/min

Samples

Sample ID:	Description:
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Location Properties
 Location Name = Device Location

GWC-23R

Report Properties
 Start Time = 2020-12-15 11:11:18
 Time Offset = -05:00:00
 Duration = 00:00:53
 Readings = 11

Instrument Properties
 Device Model = Aqua TROLL 400
 Device SN = 728563

Instrument Properties
 Device Model = In-Situ Bluetooth Device
 Device SN = 724809

Date Time	RDO	Oxygen	Actual	Specific	Total											Barometri	
	Concentr (mg/L)	RDO Saturatio n (%Sat)	Partial Pressure (Torr)	Conductiv ity (μ S/cm)	Temperat ure ($^{\circ}$ C)	Conductiv ity (μ S/cm)	Salinity (PSU)	Dissolved Solids (ppt)	Resistivity (Ω cm)	Density (g/cm 3)	Pressure (psi)	Depth (ft)	pH (pH)	pH mV (mV)	ORP (mV)	Pressure (mbar)	Temperat ure ($^{\circ}$ C)
	(728772)	(728772)	(728772)	(728563)	(728563)	(728563)	(728563)	(728563)	(728563)	(728332)	(728332)	(20788)	(20788)	(20788)	(724809)	(724809)	
12/15/2020 11:11	7.704432	79.30693	110.1566	594.6118	15.97892	718.3927	0.353259	0.466955	1681.77	0.999221	-0.0682	0.479171	7.411977	-20.5966	14.52781	999.2197	13.68
12/15/2020 11:11	7.704432	79.30693	110.1566	594.6118	15.97892	718.3927	0.353259	0.466955	1681.77	0.999221	-0.0682	0.479171	7.411977	-20.5966	14.52781	999.2197	13.68
12/15/2020 11:11	7.593139	78.15416	108.5621	586.4297	15.97892	708.5074	0.348229	0.46053	1705.235	0.999218	-0.0698	0.475475	7.405618	-20.2412	8.537814	999.2797	13.66003
12/15/2020 11:11	7.525473	77.46278	107.5932	583.5635	15.9776	705.066	0.346479	0.458293	1713.636	0.999217	-0.06631	0.483521	7.398943	-19.8682	6.982304	999.2018	13.65219
12/15/2020 11:11	7.512447	77.32893	107.4066	582.8436	15.97745	704.1986	0.346038	0.457729	1715.722	0.999216	-0.066	0.484249	7.397882	-19.8089	6.516392	999.1959	13.65033
12/15/2020 11:11	7.448025	76.65739	106.4813	575.6915	15.97799	695.5487	0.341641	0.452107	1737.071	0.999213	-0.06014	0.497759	7.396342	-19.7229	4.958521	999.2639	13.64101
12/15/2020 11:11	7.386746	76.02451	105.6044	571.5286	15.97839	690.5126	0.339083	0.448833	1749.723	0.999211	-0.0731	0.467876	7.39358	-19.5687	4.108631	999.2845	13.6317
12/15/2020 11:11	7.377574	75.9295	105.473	570.7876	15.97847	689.6163	0.338627	0.448251	1751.96	0.99921	-0.07432	0.465051	7.393235	-19.5494	3.955538	999.2898	13.63032
12/15/2020 11:12	7.3268	75.40265	104.7422	563.3344	15.98068	680.5766	0.334038	0.442375	1775.185	0.999206	-0.0624	0.492541	7.389443	-19.3373	3.327852	999.2984	13.62115
12/15/2020 11:12	7.273654	74.85546	103.9726	562.5222	15.97322	679.7123	0.333597	0.441813	1777.72	0.999207	-0.0434	0.536364	7.385483	-19.1159	2.921599	999.2034	13.61158
12/15/2020 11:12	7.265944	74.77594	103.8611	562.1761	15.97245	679.3063	0.333391	0.441549	1778.799	0.999207	-0.04077	0.542431	7.384905	-19.0836	2.854598	999.1928	13.61019

Low-Flow Test Report:

Test Date / Time: 12/15/2020 12:17:00 PM

Project: December 2020 LF Resample

Operator Name: Joe Booth

Location Name: GWC-45 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.43 ft Total Depth: 67.43 ft Initial Depth to Water: 44.51 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 62.43 ft Estimated Total Volume Pumped: 2800 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 2.85 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728563
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Test Notes:

Prepurge 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 0.2	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
12/15/2020 12:17 PM	00:00	5.66 pH	16.83 °C	22.71 µS/cm	6.43 mg/L	0.64 NTU	53.4 mV	44.51 ft	0.01 PSU	140.00 ml/min
12/15/2020 12:21 PM	04:00	5.03 pH	16.70 °C	23.36 µS/cm	6.20 mg/L	0.43 NTU	45.7 mV	46.82 ft	0.01 PSU	140.00 ml/min
12/15/2020 12:25 PM	08:00	4.96 pH	16.47 °C	22.90 µS/cm	5.95 mg/L	0.94 NTU	43.9 mV	47.32 ft	0.01 PSU	140.00 ml/min
12/15/2020 12:29 PM	12:00	4.95 pH	16.29 °C	22.60 µS/cm	5.78 mg/L	0.74 NTU	43.0 mV	47.35 ft	0.01 PSU	140.00 ml/min
12/15/2020 12:33 PM	16:00	4.95 pH	16.24 °C	22.55 µS/cm	5.68 mg/L	0.56 NTU	42.2 mV	47.35 ft	0.01 PSU	140.00 ml/min
12/15/2020 12:37 PM	20:00	4.92 pH	16.44 °C	22.51 µS/cm	5.74 mg/L	0.56 NTU	42.3 mV	47.36 ft	0.01 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-45	Antimony

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWA-1
 Date, field conditions 9/15/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWA-2
 Date, field conditions 9/15/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWA-2R
 Date, field conditions 9/15/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWA-3
 Date, field conditions 9/16/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWA-4
 Date, field conditions 9/22/20

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

-piezometer

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWA-4R
 Date, field conditions 9/22/20

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

- piezometer

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWA-4RZ
 Date, field conditions 9/17/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name _____
 Permit Number _____
 Well ID G10A-50
 Date, field conditions 9/16/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1-2
 Permit Number _____
 Well ID GWA-5GR
 Date, field conditions 4/22/20

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

- piezometer

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Piant Bowen
 Permit Number _____
 Well ID GWC-5
 Date, field conditions 9/16/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GLW6-6
 Date, field conditions 9/16/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-GRZ
 Date, field conditions 9/16/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWA-3 GWIC-7Z
 Date, field conditions 4/16/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWC-8RR
 Date, field conditions 9/17/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GMIC-8Z
 Date, field conditions 9/17/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-9
 Date, field conditions 9/17/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-10
 Date, field conditions 9/17/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number ~~GCW-10R~~ GWC-10R
 Well ID _____
 Date, field conditions 9/17/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-11
 Date, field conditions 9/21/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID AWC-11R
 Date, field conditions 9/2/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GW-12
 Date, field conditions 9/21/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWC-13
 Date, field conditions 9/21/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWC-13R
 Date, field conditions 9/21/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWC-13RZ
 Date, field conditions 9/21/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWC-14
 Date 9/1/20

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

- piezometer

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-142
 Date, field conditions 9/21/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

for Bell

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 1+2
 Permit Number _____
 Well ID GWC-15
 Date 9/1/20

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

- Piezometer

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GW-15R
 Date, field conditions 9/21/20

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

Signature and Seal of PE/PG responsible for inspection

for Bowen

Groundwater Monitoring Well Integrity Form

Site Name _____
 Permit Number _____
 Well ID _____
 Date, field conditions _____

Plant Bowen
GWC-152
9/21/20

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

Signature and Seal of PE/PG responsible for inspection

[Signature]

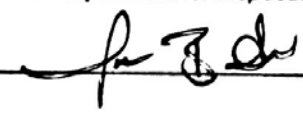
Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWA-36
 Date, field conditions 9/3/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection



Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GW11-36R
 Date, field conditions 9/14/20 86°/70°

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

7 Corrective actions as needed, by date:
Well Developed 9/11/20

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name
 Permit Number
 Well ID
 Date, field conditions

Plant Bowen
GWA-37
9/3/20

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

Signature and Seal of PE/PG responsible for inspection



Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWA-38
 Date, field conditions 9/22/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWA - SIRZ
 Date, field conditions 9/8/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

[Handwritten Signature]

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GW 11 - 52
 Date, field conditions 9/3/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 3+4
 Permit Number _____
 Well ID GWA-53
 Date, field conditions 9/8/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 3+4
 Permit Number _____
 Well ID GWA-53R
 Date, field conditions 9/8/20

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

Signature and Seal of PE/PG responsible for inspection

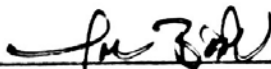
Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GW A - 54
 Date, field conditions 9/9/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection



Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 3+4
 Permit Number _____
 Well ID GWA-55
 Date, field conditions 9/4/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 3+4
 Permit Number _____
 Well ID GWA-55R
 Date, field conditions 9/4/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID ~~BOW~~ GWA-56
 Date, field conditions 9/14/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-16R
 Date, field conditions 1/8/20

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

Signature and Seal of PE/PG responsible for inspection


[Handwritten Signature]

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-17R
 Date, field conditions 9/8/20

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

Signature and Seal of PE/PG responsible for inspection



Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 3+4
 Permit Number _____
 Well ID GWC-18
 Date, field conditions 9/9/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 3+4
 Permit Number _____
 Well ID GWC-18R
 Date, field conditions 9/9/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-19R
 Date, field conditions 9/9/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 3+4
 Permit Number _____
 Well ID GWC-ZOR
 Date, field conditions 9/4/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-21R
 Date, field conditions 9/8/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-22R
 Date, field conditions 9/8/20

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓	✓	VF 9/8/20
c Is the well in a high traffic area and does the well require protection from traffic?	VF 9/8/20 ✓	✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	✓		
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓		
c Does the well require redevelopment (low flow, turbid)?		✓	
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	✓		
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 3+4
 Permit Number _____
 Well ID GWC-23R
 Date, field conditions 9/8/20

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

-full evac.

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-24R
 Date, field conditions 9/9/20

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

Ants in well, killed as many as possible.

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWC-25R
 Date, field conditions 9/4/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWA- 39 RZ
 Date, field conditions 9/14/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GWA-397
 Date, field conditions 9/10/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWA-40
 Date, field conditions 9/11/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWA-41
 Date, field conditions 9/10/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWA-41R
 Date, field conditions 9/10/20

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWA-42
 Date, field conditions 9/10/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWA-43
 Date, field conditions 9/11/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWA-43R
 Date, field conditions 9/14/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Laurel Bore
 Permit Number _____
 Well ID GWR-244
 Date, field conditions 8/16/09, 9/15/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GW0-45
 Date, field conditions 9/11/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Piant Power
 Permit Number _____
 Well ID GWC-45R
 Date, field conditions 9/11/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWC-4GR
 Date, field conditions 9/14/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Based
 Permit Number _____
 Well ID GWC-47
 Date, field conditions 9/14/20 869/700

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Room
 Permit Number _____
 Well ID GWOC-47R
 Date, field conditions 9/14/20 26°/70°

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWC-48
 Date, field conditions 9/14/20

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen
 Permit Number _____
 Well ID GW2-49R
 Date, field conditions 7/11/20

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

Signature and Seal of PE/PG responsible for inspection

[Handwritten Signature]

Groundwater Monitoring Well Integrity Form

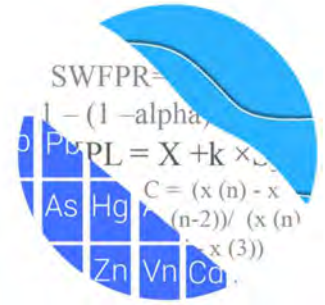
Site Name Plant Bowen, Cells 9+10
 Permit Number _____
 Well ID GWC-49Z
 Date, field conditions 9/14/20

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

Signature and Seal of PE/PG responsible for inspection

APPENDIX B
HISTORICAL GROUNDWATER MONITORING RESULTS
AND STATISTICAL RESULTS

GROUNDWATER STATS CONSULTING



August 26, 2020

Southern Company Services
Attn: Ms. Lauren Petty
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Bowen Landfill Cells 1 & 2 - Bedrock and Overburden Wells
March 2020 Event - Statistical Analysis

Dear Ms. Petty,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the March 2020 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1 & 2. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

Bedrock Wells:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-4RZ, GWA-50R
- **Downgradient wells:** GWC-10R, GWC-11R, GWC-13R_13RZ, GWC-15R, GWC-6RZ, GWC-8RR

Overburden Wells:

- **Upgradient wells:** GWA-3, GWA-50
- **Downgradient wells:** GWC-10, GWC-11, GWC-12, GWC-13, GWC-14_14Z, GWC-15_15Z, GWC-5, GWC-6, GWC-7Z, GWC-8Z, GWC-9

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The following constituents are evaluated:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% nondetects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. Due to varying detection limits for cobalt, the reporting limit of 0.01 mg/L was substituted to be consistent with previous analyses; and a reported nondetect value of <0.1 mg/L was flagged as an outlier for selenium in well GWC-13 to maintain historical nondetect values of <0.01 mg/L. A summary of flagged outliers follows this report (Figure C).

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Constituents:

Bedrock Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all 16 parameters)
- # Constituents: 16
- # Downgradient wells: 6

Overburden Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan (all 16 parameters)
- # Constituents: 16
- # Downgradient wells: 11

CCR Appendix III Constituents:

Bedrock & Overburden Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (calcium, sulfate, TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, chloride, fluoride, pH)
- # Constituents: 7
- # Downgradient wells: 17

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects.
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.

- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Background Screening Summary Georgia EPD Constituents – Conducted in August 2019

Outlier and Trend Testing – Bedrock & Overburden Wells

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of those findings were submitted with the screening report and a summary of the flagged values follows this letter.

For Bedrock and Overburden wells, the Tukey box plot method identified several outliers. When the most recent values were identified as outliers, values were not flagged in the database (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to

changing reporting limits for many constituents, when the nondetects were replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) required flagging as outliers because they were much higher than current reporting limits.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported nondetects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections. The results of those findings were submitted with the screening report.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. A summary of the trend analyses follows this letter.

Several statistically significant decreasing trends were noted. No statistically significant increasing trends were identified except for barium in 3 bedrock wells and in 1 overburden well. The magnitudes of the majority of these trends were low relative to the average

concentrations and, therefore, required no adjustments to the records. For the following Bedrock well/constituent pairs, however, adjustments were required for statistically significant decreasing trending data in order to minimize the variance within each well and utilize more recent data that do not contain trends and that are representative of present-day groundwater quality conditions: chromium in well GWC-11R; and copper and nickel in upgradient well GWA-50R.

Note that, due to more recent higher measurements that are elevated above those observed in the upgradient well data, it is recommended that the trend test be used in lieu of prediction limits for barium at well GWC-13R_13RZ. If research shows that these concentrations are representative of natural spatial variation rather than resulting from the unit, intrawell prediction limits may be used to statistically analyze future compliance observations. A summary of the background data ranges used for these special cases follows this letter.

Determination of Spatial Variation – Bedrock & Overburden

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. A summary of the findings was submitted with the screening report.

For Bedrock wells, the ANOVA identified variation among upgradient well data for: antimony, arsenic, barium, chromium, lead, nickel, selenium and silver. No variation was identified for beryllium, cadmium, cobalt, copper, mercury, thallium, vanadium and zinc.

For Overburden wells, the ANOVA identified variation among upgradient well data for: barium, cobalt, copper, nickel, silver and zinc. The ANOVA did not identify variation for cadmium, chromium, lead, mercury and vanadium. The ANOVA could not test the following constituents because the data had no variation among the upgradient wells: arsenic, thallium, beryllium and selenium.

Where variation is not identified, this suggests that interwell analysis would be the most appropriate statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level detections, and no records required any adjustments due to trending data, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Background Update CCR Appendix III Constituents – Conducted in March 2020

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data through September 2019. Tukey's test was used for all wells for the intrawell parameters and for only the upgradient wells for the interwell parameters. The results of this test were submitted with the screening report. High values for fluoride were noted through visual screening and those values were flagged. Although Tukey's test noted several potential outliers in downgradient wells for intrawell parameters, these values were not flagged as they appeared to be representative of natural variation. As mentioned above, any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A summary of all flagged values follows this report.

For constituents requiring intrawell prediction limits (calcium, sulfate and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through August 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the well/constituent pairs for calcium in upgradient well GWA-3, and sulfate in upgradient well GWA-3 and downgradient wells GWC-15R, GWC-5, and GWC-8Z.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. The following cases with statistically significant Mann-Whitney results were updated because the newer data had a lower median or the newer data were similar in concentration to portions of the historical data: calcium in well GWA-3 and sulfate in wells GWA-3, GWC-5, and GWC-8Z.

Although sulfate in well GWC-15R showed an increase in median concentrations, the magnitude of the increase is minimal relative to other wells for sulfate, and was therefore, updated with newer data. The results of this test were submitted with the screening report.

Evaluation of Georgia EPD Constituents – March 2020

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-2 resample plan for Bedrock wells and a 1-of-3 resample plan for Overburden wells, were constructed using all available data, except for the cases mentioned above, within each well with detections through September 2018 (Figures D and E, respectively). Future compliance data will be compared to these intrawell background limits during each subsequent semi-annual sampling event. As previously discussed, no statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. The 1-of-3 plan allows collection of up to two samples. When all resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. No statistical exceedances were noted in any of the Bedrock or Overburden downgradient wells; therefore, no resampling is required. Statistical exceedances were noted for barium in upgradient Bedrock wells GWA-2R and GWA-4RZ. When exceedances are noted upgradient of the facility, it may be an indication that groundwater quality is beginning to change naturally. Summaries of the Georgia EPD prediction limits follow this report.

While there were no prediction limit exceedances in any of the downgradient wells, should they occur in the future, data will be further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. Based on the recommendation of previous screenings, a Sen's Slope/Mann-Kendall trend test was used in lieu of prediction limits for barium in well GWC-13R_13RZ and noted a statistically significant increasing trend. A summary of the trend test results follows this letter (Figure F).

Evaluation of Appendix III Parameters – March 2020

For calcium, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (Figure G). The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. Exceedances were noted for calcium in downgradient wells GWC-5 and GWC-6, and sulfate in well GWC-14_14Z.

For boron, chloride, fluoride, and pH, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through March 2020 (Figure H). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. Exceedances were noted for chloride in wells GWC-10R, GWC-13, GWC-13R_13RZ, and GWC-14_14Z; the upper limit for pH in wells GWC-15_15Z and GWC-8RR; and the lower limit for pH in well GWC-9. Summaries of both intrawell and interwell prediction limits follow this report.

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure I). A statistically significant increasing trend was noted for chloride in downgradient well GWC-14_14Z. Statistically significant decreasing trends were noted for calcium, pH, and sulfate in upgradient well GWA-3, and sulfate in upgradient well GWA-1. A summary of the trend test results follows this letter.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1 & 2. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

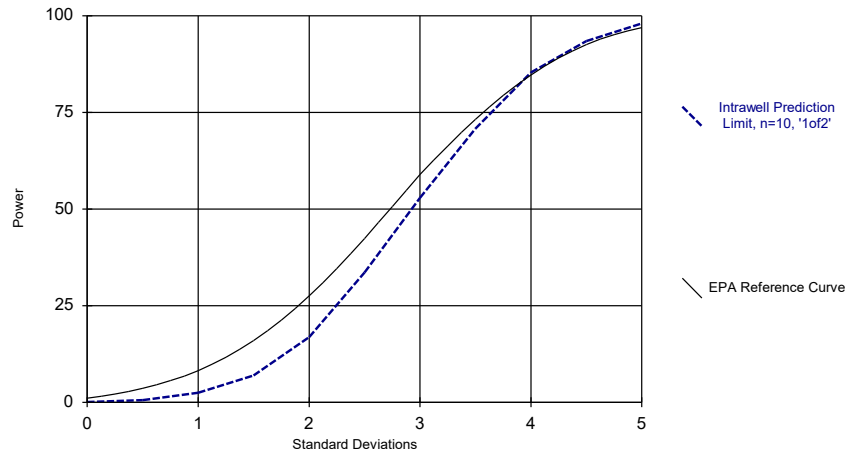


Andrew T. Collins
Groundwater Analyst



Kristina L. Rayner
Groundwater Statistician

Bedrock Wells Power Curve

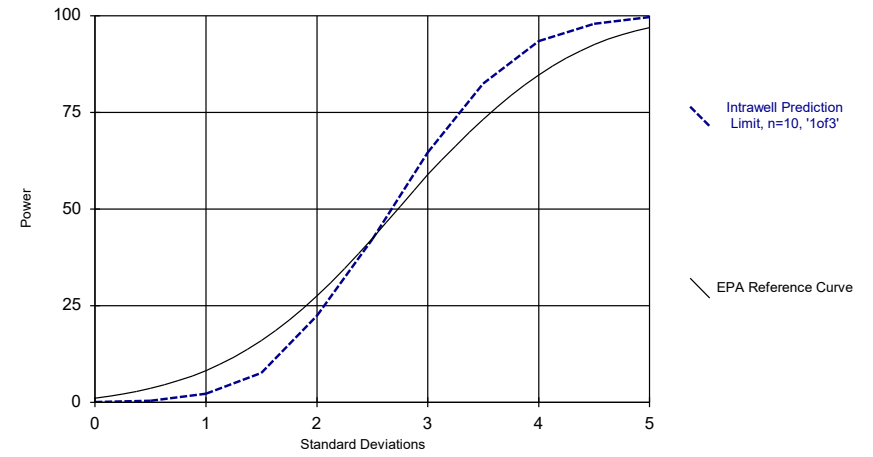


Kappa = 2.945, based on 6 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/14/2020 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Overburden Wells Power Curve

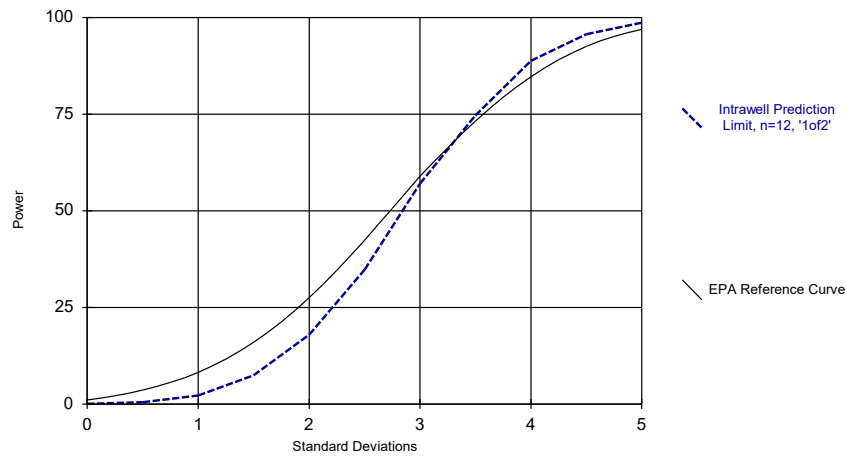


Kappa = 2.329, based on 11 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/14/2020 3:05 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Appendix III Intrawell Power Curve

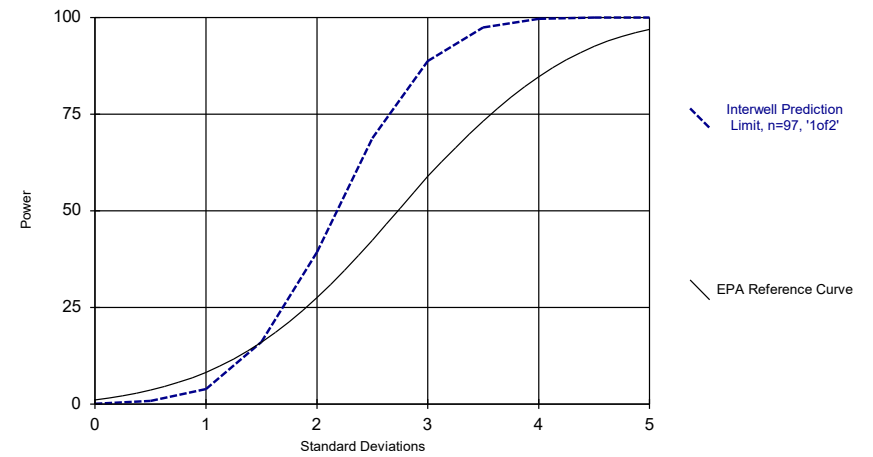


Kappa = 2.824, based on 17 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/14/2020 3:06 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Appendix III Interwell Power Curve



Kappa = 2.094, based on 17 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/14/2020 3:07 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

100% Nondetect Well-Constituent Pairs Overburden Wells

Date: 4/14/2020 10:41 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Antimony (mg/L)

GWC-10, GWC-12, GWC-13, GWC-8Z

Arsenic (mg/L)

GWA-3, GWA-50

Beryllium (mg/L)

GWA-3, GWA-50, GWC-11, GWC-12, GWC-15_15Z, GWC-7Z

Boron (mg/L)

GWC-12

Cadmium (mg/L)

GWA-3, GWC-10, GWC-11, GWC-13, GWC-15_15Z, GWC-9

Chromium (mg/L)

GWC-7Z

Cobalt (mg/L)

GWA-50

Fluoride (mg/L)

GWA-3

Lead (mg/L)

GWA-3, GWC-10, GWC-12, GWC-15_15Z, GWC-5

Mercury (mg/L)

GWA-3, GWC-10, GWC-14_14Z, GWC-7Z, GWC-8Z, GWC-9

Selenium (mg/L)

GWA-3, GWA-50, GWC-10, GWC-11, GWC-12, GWC-14_14Z, GWC-15_15Z, GWC-6, GWC-7Z, GWC-8Z

Silver (mg/L)

GWA-3, GWC-10, GWC-11, GWC-13, GWC-14_14Z, GWC-15_15Z, GWC-5, GWC-6, GWC-7Z, GWC-8Z, GWC-9

Thallium (mg/L)

GWA-3, GWA-50, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14_14Z, GWC-5, GWC-7Z, GWC-9

Vanadium (mg/L)

GWA-50, GWC-7Z

Zinc (mg/L)

GWC-7Z

100% Nondetect Well-Constituent Pairs Bedrock Wells

Date: 4/14/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Antimony (mg/L)

GWA-2, GWA-50R

Arsenic (mg/L)

GWA-2, GWA-50R, GWC-10R, GWC-6RZ

Beryllium (mg/L)

GWA-2, GWA-2R, GWA-4RZ, GWC-10R, GWC-11R, GWC-13R_13RZ, GWC-15R

Cadmium (mg/L)

GWA-2, GWA-2R, GWA-4RZ, GWA-50R, GWC-13R_13RZ, GWC-6RZ, GWC-8RR

Chromium (mg/L)

GWA-4RZ

Cobalt (mg/L)

GWA-2R, GWC-10R, GWC-6RZ

Copper (mg/L)

GWC-6RZ

Lead (mg/L)

GWA-2R, GWC-10R, GWC-11R

Mercury (mg/L)

GWA-1, GWA-2R, GWA-4RZ, GWA-50R, GWC-10R, GWC-11R, GWC-6RZ

Nickel (mg/L)

GWA-4RZ, GWC-6RZ

Selenium (mg/L)

GWA-1, GWA-2R, GWA-4RZ, GWA-50R, GWC-10R, GWC-11R, GWC-6RZ, GWC-8RR

Silver (mg/L)

GWA-1, GWA-2, GWA-2R, GWA-4RZ, GWC-10R, GWC-11R, GWC-15R, GWC-6RZ, GWC-8RR

Thallium (mg/L)

GWA-1, GWA-2, GWA-4RZ, GWA-50R, GWC-15R, GWC-6RZ, GWC-8RR

Vanadium (mg/L)

GWA-4RZ, GWC-10R, GWC-15R, GWC-6RZ

Zinc (mg/L)

GWA-4RZ

Date Ranges

Date: 4/7/2020 8:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Chromium (mg/L)

GWC-11R background:4/13/2011-9/18/2018

Copper (mg/L)

GWA-50R background:4/22/2014-9/18/2018

Nickel (mg/L)

GWA-50R background:4/22/2014-9/18/2018

Bedrock Wells Intrawell Prediction Limits Summary Table - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:06 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg. N</u>	<u>Bg. Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-2R	0.02539	n/a	3/11/2020	0.027	Yes	30	0.2153	0.03537	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.03461	n/a	3/12/2020	0.053	Yes	11	0.02799	0.002333	0	None	0.0005486	Param Intra 1 of 2

Bedrock Wells Intrawell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Antimony (mg/L)	GWA-1	0.0097	n/a	3/11/2020	0.00079	No	30	n/a	n/a	50	n/a	0.002008	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.0081	n/a	3/11/2020	0.002	No	30	n/a	n/a	56.67	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	3/12/2020	0.0017	No	11	n/a	n/a	63.64	n/a	0.01276	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	3/12/2020	0.003ND	No	31	n/a	n/a	96.77	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.0044	n/a	3/12/2020	0.001	No	30	n/a	n/a	83.33	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13R_13RZ	0.00447	n/a	3/17/2020	0.0009	No	26	n/a	n/a	61.54	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	3/13/2020	0.00056	No	32	n/a	n/a	53.13	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	3/12/2020	0.0011	No	14	n/a	n/a	85.71	n/a	0.008612	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	3/12/2020	0.00043	No	20	n/a	n/a	85	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	3/11/2020	0.00088	No	32	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	3/11/2020	0.00044	No	32	n/a	n/a	78.13	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.002431	n/a	3/12/2020	0.0033	No	11	0.0969	0.01324	27.27	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	3/12/2020	0.0012	No	32	n/a	n/a	50	n/a	0.001803	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-13R_13RZ	0.0066	n/a	3/17/2020	0.00067	No	30	n/a	n/a	66.67	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	3/13/2020	0.00047	No	32	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	3/12/2020	0.00039	No	20	n/a	n/a	90	n/a	0.004291	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04054	n/a	3/11/2020	0.016	No	31	0.1451	0.02538	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.04842	n/a	3/11/2020	0.035	No	30	0.02121	0.01224	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.02539	n/a	3/11/2020	0.027	Yes	30	0.2153	0.03537	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.03461	n/a	3/12/2020	0.053	Yes	11	0.02799	0.002333	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02185	n/a	3/11/2020	0.0095	No	23	0.01499	0.002959	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.03543	n/a	3/12/2020	0.028	No	32	0.02388	0.005231	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-11R	0.02192	n/a	3/12/2020	0.021	No	32	0.01259	0.004227	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.03156	n/a	3/13/2020	0.02	No	31	0.0244	0.003233	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-6RZ	0.01917	n/a	3/12/2020	0.0072	No	15	0.009456	0.003803	6.667	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	3/12/2020	0.014	No	20	n/a	n/a	0	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-1	0.003	n/a	3/11/2020	0.003ND	No	14	n/a	n/a	92.86	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-50R	0.003	n/a	3/11/2020	0.003ND	No	14	n/a	n/a	92.86	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-6RZ	0.003	n/a	3/12/2020	0.000093	No	15	n/a	n/a	80	n/a	0.007533	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-8RR	0.003	n/a	3/12/2020	0.003ND	No	14	n/a	n/a	92.86	n/a	0.008612	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-1	0.001	n/a	3/11/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.001	n/a	3/12/2020	0.001ND	No	32	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.001	n/a	3/12/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.001	n/a	3/13/2020	0.001ND	No	31	n/a	n/a	87.1	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.038	n/a	3/11/2020	0.0012	No	30	n/a	n/a	70	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.01	n/a	3/11/2020	0.0025	No	29	n/a	n/a	65.52	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	3/11/2020	0.0042	No	31	n/a	n/a	83.87	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.01	n/a	3/11/2020	0.01ND	No	26	n/a	n/a	61.54	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	3/12/2020	0.01ND	No	30	n/a	n/a	80	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11R	0.02073	n/a	3/12/2020	0.0042	No	21	0.009791	0.004649	4.762	None	0.0005486	Param Intra 1 of 2
Chromium (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.002	No	31	n/a	n/a	74.19	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	3/13/2020	0.0011	No	31	n/a	n/a	64.52	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	3/12/2020	0.0028	No	15	n/a	n/a	33.33	n/a	0.007533	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8RR	0.01	n/a	3/12/2020	0.0031	No	19	n/a	n/a	68.42	n/a	0.004832	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.01	n/a	3/11/2020	0.00037	No	32	n/a	n/a	87.5	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	3/11/2020	0.01ND	No	32	n/a	n/a	90.63	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.02221	n/a	3/12/2020	0.013	No	11	0.0078	0.005078	9.091	None	0.0005486	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.01	n/a	3/11/2020	0.01ND	No	26	n/a	n/a	76.92	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.01	n/a	3/12/2020	0.01ND	No	31	n/a	n/a	93.55	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.01	n/a	3/13/2020	0.01ND	No	32	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.01	n/a	3/12/2020	0.01ND	No	20	n/a	n/a	90	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.025	n/a	3/11/2020	0.025ND	No	27	n/a	n/a	55.56	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.025	n/a	3/11/2020	0.0002	No	27	n/a	n/a	70.37	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.025	n/a	3/11/2020	0.0011	No	27	n/a	n/a	66.67	n/a	0.002502	NP Intra (NDs) 1 of 2

Bedrock Wells Intrawell Prediction Limits Summary Table - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Copper (mg/L)	GWA-4RZ	0.025	n/a	3/12/2020	0.0002	No	4	n/a	n/a	75	n/a	0.06138	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50R	0.01777	n/a	3/11/2020	0.0035	No	10	0.005944	0.004014	0	None	0.0005486	Param Intra 1 of 2
Copper (mg/L)	GWC-10R	0.025	n/a	3/12/2020	0.025ND	No	27	n/a	n/a	81.48	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.025	n/a	3/12/2020	0.00032	No	27	n/a	n/a	74.07	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13R_13RZ	0.025	n/a	3/17/2020	0.00045	No	26	n/a	n/a	80.77	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.025	n/a	3/13/2020	0.00029	No	27	n/a	n/a	70.37	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.025	n/a	3/12/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.005	n/a	3/11/2020	0.005ND	No	32	n/a	n/a	81.25	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.005	n/a	3/11/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.005	n/a	3/12/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	0.01276	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.005	n/a	3/11/2020	0.005ND	No	26	n/a	n/a	96.15	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13R_13RZ	0.005	n/a	3/17/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.005	n/a	3/13/2020	0.00037	No	32	n/a	n/a	81.25	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.005	n/a	3/12/2020	0.00007	No	15	n/a	n/a	86.67	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8RR	0.005	n/a	3/12/2020	0.000056	No	20	n/a	n/a	95	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-2	0.0005	n/a	3/11/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13R_13RZ	0.0005	n/a	3/17/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-15R	0.0005	n/a	3/13/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8RR	0.0005	n/a	3/12/2020	0.0005ND	No	20	n/a	n/a	90	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	3/11/2020	0.00068	No	26	n/a	n/a	73.08	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	3/11/2020	0.0014	No	25	n/a	n/a	68	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.01	n/a	3/11/2020	0.002	No	26	n/a	n/a	84.62	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50R	0.01209	n/a	3/11/2020	0.001	No	10	0.05305	0.01932	10	None	0.0005486	Param Intra 1 of 2
Nickel (mg/L)	GWC-10R	0.01	n/a	3/12/2020	0.00043	No	26	n/a	n/a	88.46	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	92.59	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.00082	No	25	n/a	n/a	80	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.01	n/a	3/13/2020	0.00072	No	24	n/a	n/a	75	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8RR	0.01	n/a	3/12/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	0.007533	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2	0.01	n/a	3/11/2020	0.0021	No	32	n/a	n/a	90.63	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.01	n/a	3/13/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004299	n/a	3/11/2020	0.0013	No	21	0.002202	0.0008907	38.1	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Silver (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.01ND	No	26	n/a	n/a	96.15	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-2R	0.001	n/a	3/11/2020	0.001ND	No	13	n/a	n/a	92.31	n/a	0.009692	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	3/12/2020	0.000054	No	12	n/a	n/a	91.67	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	3/12/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-13R_13RZ	0.001	n/a	3/17/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	3/11/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	3/11/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	0.002667	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	3/11/2020	0.00084	No	27	n/a	n/a	88.89	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	3/11/2020	0.01ND	No	21	n/a	n/a	66.67	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	3/12/2020	0.01ND	No	26	n/a	n/a	46.15	n/a	0.002667	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-13R_13RZ	0.011	n/a	3/17/2020	0.01ND	No	24	n/a	n/a	62.5	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	3/12/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.01366	n/a	3/11/2020	0.0035	No	24	0.005745	0.003444	29.17	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWA-2	0.0199	n/a	3/11/2020	0.0028	No	25	0.06488	0.03341	48	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWA-2R	0.01285	n/a	3/11/2020	0.0038	No	26	0.000044540	0.00005316	46.15	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWA-50R	0.02139	n/a	3/11/2020	0.0033	No	17	0.008728	0.005133	23.53	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.01	n/a	3/12/2020	0.0027	No	27	n/a	n/a	40.74	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11R	0.017	n/a	3/12/2020	0.0053	No	26	n/a	n/a	50	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-13R_13RZ	0.01057	n/a	3/17/2020	0.0057	No	23	0.06716	0.0154	30.43	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-15R	0.01063	n/a	3/13/2020	0.0057	No	25	0.004906	0.002508	20	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-6RZ	0.01081	n/a	3/12/2020	0.0032	No	10	0.05354	0.01713	40	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-8RR	0.01242	n/a	3/12/2020	0.002	No	15	0.004691	0.003024	46.67	Kaplan-Meier	0.0005486	Param Intra 1 of 2

Overburden Wells Intrawell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Antimony (mg/L)	GWA-3	0.0068	n/a	3/11/2020	0.0045	No	32	n/a	n/a	68.75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-50	0.003	n/a	3/11/2020	0.0005	No	26	n/a	n/a	92.31	n/a	0.0002803	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-11	0.003	n/a	3/12/2020	0.0013	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-14_14Z	0.005	n/a	3/13/2020	0.00053	No	32	n/a	n/a	87.5	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-15_15Z	0.0053	n/a	3/13/2020	0.003ND	No	31	n/a	n/a	83.87	n/a	0.0001701	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-5	0.003	n/a	3/16/2020	0.00031	No	31	n/a	n/a	96.77	n/a	0.0001701	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-6	0.0035	n/a	3/12/2020	0.00052	No	32	n/a	n/a	93.75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-7Z	0.003	n/a	3/12/2020	0.00066	No	11	n/a	n/a	90.91	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-9	0.003	n/a	3/12/2020	0.003ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0079	n/a	3/12/2020	0.005ND	No	31	n/a	n/a	90.32	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	3/12/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.012	n/a	3/12/2020	0.0053	No	31	n/a	n/a	29.03	n/a	0.0001701	NP Intra (normality) 1 of 3
Arsenic (mg/L)	GWC-13	0.0096	n/a	3/13/2020	0.00096	No	32	n/a	n/a	78.13	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-14_14Z	0.0079	n/a	3/13/2020	0.005ND	No	31	n/a	n/a	87.1	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15_15Z	0.0077	n/a	3/13/2020	0.00052	No	32	n/a	n/a	75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5	0.005	n/a	3/16/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-6	0.005	n/a	3/12/2020	0.00055	No	31	n/a	n/a	93.55	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-7Z	0.003663	n/a	3/12/2020	0.00044	No	11	0.002522	0.0005101	18.18	Kaplan-Meier	0.0002993	Param Intra 1 of 3
Arsenic (mg/L)	GWC-8Z	0.005	n/a	3/16/2020	0.005ND	No	15	n/a	n/a	93.33	n/a	0.001313	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.0086	n/a	3/12/2020	0.005ND	No	31	n/a	n/a	93.55	n/a	0.0001701	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-3	0.007921	n/a	3/11/2020	0.0041	No	23	0.005815	0.001177	4.348	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWA-50	0.01571	n/a	3/11/2020	0.0077	No	25	0.009848	0.003336	4	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.02966	n/a	3/12/2020	0.026	No	29	-4.024	0.2943	0	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.036	n/a	3/12/2020	0.0086	No	31	n/a	n/a	3.226	n/a	0.0001701	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.07	n/a	3/12/2020	0.023	No	28	n/a	n/a	0	n/a	0.0002317	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-13	0.04922	n/a	3/13/2020	0.023	No	30	0.02845	0.01216	0	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-14_14Z	0.03815	n/a	3/13/2020	0.017	No	21	0.2446	0.05056	9.524	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-15_15Z	0.01987	n/a	3/13/2020	0.014	No	31	0.0106	0.00545	3.226	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-5	0.02443	n/a	3/16/2020	0.024	No	31	0.01764	0.003992	0	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-6	0.02458	n/a	3/12/2020	0.0075	No	29	0.1134	0.02526	3.448	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-7Z	0.03969	n/a	3/12/2020	0.022	No	11	0.0267	0.005812	0	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-8Z	0.05253	n/a	3/16/2020	0.027	No	15	0.1761	0.02662	0	None	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.04876	n/a	3/12/2020	0.044	No	28	0.03862	0.005872	0	None	0.0002993	Param Intra 1 of 3
Beryllium (mg/L)	GWC-10	0.003	n/a	3/12/2020	0.00017	No	14	n/a	n/a	71.43	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-13	0.003	n/a	3/13/2020	0.00008	No	14	n/a	n/a	57.14	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-14_14Z	0.003	n/a	3/13/2020	0.00016	No	14	n/a	n/a	78.57	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5	0.003	n/a	3/16/2020	0.00048	No	14	n/a	n/a	14.29	n/a	0.0016	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-6	0.003	n/a	3/12/2020	0.003ND	No	14	n/a	n/a	78.57	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-8Z	0.003	n/a	3/16/2020	0.003ND	No	15	n/a	n/a	93.33	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.003	n/a	3/12/2020	0.00022	No	14	n/a	n/a	35.71	n/a	0.0016	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-50	0.001	n/a	3/11/2020	0.001ND	No	26	n/a	n/a	96.15	n/a	0.0002803	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-12	0.001	n/a	3/12/2020	0.00089	No	32	n/a	n/a	68.75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-14_14Z	0.001	n/a	3/13/2020	0.001ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-5	0.001	n/a	3/16/2020	0.001ND	No	31	n/a	n/a	80.65	n/a	0.0001701	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-6	0.001	n/a	3/12/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-7Z	0.001	n/a	3/12/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-8Z	0.001	n/a	3/16/2020	0.001ND	No	15	n/a	n/a	86.67	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-3	0.027	n/a	3/11/2020	0.00095	No	29	n/a	n/a	86.21	n/a	0.0002074	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-50	0.01	n/a	3/11/2020	0.0011	No	26	n/a	n/a	88.46	n/a	0.0002803	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-10	0.042	n/a	3/12/2020	0.00047	No	32	n/a	n/a	46.88	n/a	0.0001572	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.025	n/a	3/12/2020	0.00084	No	32	n/a	n/a	28.13	n/a	0.0001572	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-12	0.039	n/a	3/12/2020	0.01ND	No	32	n/a	n/a	71.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-13	0.02017	n/a	3/13/2020	0.0054	No	32	-4.769	0.511	0	None	0.0002993	Param Intra 1 of 3
Chromium (mg/L)	GWC-14_14Z	0.01856	n/a	3/13/2020	0.00093	No	31	0.07182	0.03787	25.81	Kaplan-Meier	0.0002993	Param Intra 1 of 3
Chromium (mg/L)	GWC-15_15Z	0.027	n/a	3/13/2020	0.0012	No	26	n/a	n/a	57.69	n/a	0.0002803	NP Intra (NDs) 1 of 3

Overburden Wells Intrawell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq	N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Chromium (mg/L)	GWC-5	0.032	n/a	3/16/2020	0.00078	No	32	n/a	n/a	53.13	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Chromium (mg/L)	GWC-6	0.027	n/a	3/12/2020	0.0034	No	31	n/a	n/a	32.26	n/a	0.0001701	NP Intra (normality) 1 of 3	
Chromium (mg/L)	GWC-8Z	0.01	n/a	3/16/2020	0.0015	No	14	n/a	n/a	42.86	n/a	0.0016	NP Intra (normality) 1 of 3	
Chromium (mg/L)	GWC-9	0.018	n/a	3/12/2020	0.00045	No	30	n/a	n/a	80	n/a	0.0001831	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWA-3	0.01	n/a	3/11/2020	0.00041	No	32	n/a	n/a	37.5	n/a	0.0001572	NP Intra (normality) 1 of 3	
Cobalt (mg/L)	GWC-10	0.013	n/a	3/12/2020	0.0017	No	32	n/a	n/a	65.63	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWC-11	0.016	n/a	3/12/2020	0.01ND	No	32	n/a	n/a	78.13	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWC-12	0.01	n/a	3/12/2020	0.0031	No	31	n/a	n/a	9.677	n/a	0.0001701	NP Intra (normality) 1 of 3	
Cobalt (mg/L)	GWC-13	0.011	n/a	3/13/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWC-14_14Z	0.011	n/a	3/13/2020	0.01ND	No	32	n/a	n/a	78.13	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWC-15_15Z	0.01	n/a	3/13/2020	0.01ND	No	31	n/a	n/a	93.55	n/a	0.0001701	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWC-5	0.01	n/a	3/16/2020	0.00031	No	32	n/a	n/a	53.13	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWC-6	0.01	n/a	3/12/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWC-7Z	0.001751	n/a	3/12/2020	0.00031	No	10	0.02867	0.005656	0	None	0.0002993	Param Intra 1 of 3	
Cobalt (mg/L)	GWC-8Z	0.01	n/a	3/16/2020	0.01ND	No	15	n/a	n/a	80	n/a	0.001313	NP Intra (NDs) 1 of 3	
Cobalt (mg/L)	GWC-9	0.01	n/a	3/12/2020	0.00044	No	31	n/a	n/a	70.97	n/a	0.0001701	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWA-3	0.0509	n/a	3/11/2020	0.027	No	27	0.03618	0.008473	0	None	0.0002993	Param Intra 1 of 3	
Copper (mg/L)	GWA-50	0.01497	n/a	3/11/2020	0.0026	No	21	0.1825	0.03515	19.05	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Copper (mg/L)	GWC-10	0.025	n/a	3/12/2020	0.025ND	No	27	n/a	n/a	74.07	n/a	0.000256	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-11	0.025	n/a	3/12/2020	0.00023	No	27	n/a	n/a	85.19	n/a	0.000256	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-12	0.025	n/a	3/12/2020	0.025ND	No	27	n/a	n/a	70.37	n/a	0.000256	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-13	0.025	n/a	3/13/2020	0.00033	No	27	n/a	n/a	85.19	n/a	0.000256	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-14_14Z	0.025	n/a	3/13/2020	0.025ND	No	27	n/a	n/a	66.67	n/a	0.000256	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-15_15Z	0.025	n/a	3/13/2020	0.0002	No	26	n/a	n/a	69.23	n/a	0.0002803	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-5	0.05566	n/a	3/16/2020	0.012	No	26	0.02693	0.01643	0	None	0.0002993	Param Intra 1 of 3	
Copper (mg/L)	GWC-6	0.025	n/a	3/12/2020	0.025ND	No	27	n/a	n/a	59.26	n/a	0.000256	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-7Z	0.025	n/a	3/12/2020	0.00021	No	5	n/a	n/a	60	n/a	0.01896	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-8Z	0.025	n/a	3/16/2020	0.00024	No	10	n/a	n/a	70	n/a	0.00344	NP Intra (NDs) 1 of 3	
Copper (mg/L)	GWC-9	0.025	n/a	3/12/2020	0.00031	No	27	n/a	n/a	66.67	n/a	0.000256	NP Intra (NDs) 1 of 3	
Lead (mg/L)	GWA-50	0.005	n/a	3/11/2020	0.005ND	No	26	n/a	n/a	92.31	n/a	0.0002803	NP Intra (NDs) 1 of 3	
Lead (mg/L)	GWC-11	0.005	n/a	3/12/2020	0.000052	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Lead (mg/L)	GWC-13	0.005	n/a	3/13/2020	0.00013	No	32	n/a	n/a	84.38	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Lead (mg/L)	GWC-14_14Z	0.005	n/a	3/13/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Lead (mg/L)	GWC-6	0.005	n/a	3/12/2020	0.0001	No	32	n/a	n/a	93.75	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Lead (mg/L)	GWC-7Z	0.005	n/a	3/12/2020	0.000082	No	11	n/a	n/a	45.45	n/a	0.002806	NP Intra (normality) 1 of 3	
Lead (mg/L)	GWC-8Z	0.005	n/a	3/16/2020	0.00016	No	15	n/a	n/a	46.67	n/a	0.001313	NP Intra (normality) 1 of 3	
Lead (mg/L)	GWC-9	0.005	n/a	3/12/2020	0.00016	No	32	n/a	n/a	78.13	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Mercury (mg/L)	GWA-50	0.0005	n/a	3/11/2020	0.0005ND	No	26	n/a	n/a	96.15	n/a	0.0002803	NP Intra (NDs) 1 of 3	
Mercury (mg/L)	GWC-11	0.0005	n/a	3/12/2020	0.0005ND	No	32	n/a	n/a	93.75	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Mercury (mg/L)	GWC-12	0.0005	n/a	3/12/2020	0.0005ND	No	32	n/a	n/a	93.75	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Mercury (mg/L)	GWC-13	0.0005	n/a	3/13/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Mercury (mg/L)	GWC-15_15Z	0.0005	n/a	3/13/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Mercury (mg/L)	GWC-5	0.0005	n/a	3/16/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Mercury (mg/L)	GWC-6	0.0005	n/a	3/12/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3	
Nickel (mg/L)	GWA-3	0.05803	n/a	3/11/2020	0.012	No	25	-3.684	0.4762	0	None	0.0002993	Param Intra 1 of 3	
Nickel (mg/L)	GWA-50	0.01	n/a	3/11/2020	0.00084	No	21	n/a	n/a	47.62	n/a	0.000511	NP Intra (normality) 1 of 3	
Nickel (mg/L)	GWC-10	0.032	n/a	3/12/2020	0.0015	No	27	n/a	n/a	51.85	n/a	0.000256	NP Intra (NDs) 1 of 3	
Nickel (mg/L)	GWC-11	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	85.19	n/a	0.000256	NP Intra (NDs) 1 of 3	
Nickel (mg/L)	GWC-12	0.029	n/a	3/12/2020	0.0022	No	27	n/a	n/a	48.15	n/a	0.000256	NP Intra (normality) 1 of 3	
Nickel (mg/L)	GWC-13	0.015	n/a	3/13/2020	0.01ND	No	27	n/a	n/a	74.07	n/a	0.000256	NP Intra (NDs) 1 of 3	
Nickel (mg/L)	GWC-14_14Z	0.011	n/a	3/13/2020	0.00078	No	27	n/a	n/a	62.96	n/a	0.000256	NP Intra (NDs) 1 of 3	
Nickel (mg/L)	GWC-15_15Z	0.019	n/a	3/13/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	0.0002803	NP Intra (NDs) 1 of 3	
Nickel (mg/L)	GWC-5	0.04631	n/a	3/16/2020	0.015	No	27	0.02419	0.01273	0	None	0.0002993	Param Intra 1 of 3	
Nickel (mg/L)	GWC-6	0.022	n/a	3/12/2020	0.01ND	No	26	n/a	n/a	46.15	n/a	0.0002803	NP Intra (normality) 1 of 3	
Nickel (mg/L)	GWC-7Z	0.001363	n/a	3/12/2020	0.00078	No	5	0.001133	0.00004714	40	Kaplan-Meier	0.0002993	Param Intra 1 of 3	

Overburden Wells Intrawell Prediction Limits Summary Table - All Results Page 6

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Nickel (mg/L)	GWC-8Z	0.01	n/a	3/16/2020	0.0006	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.014	n/a	3/12/2020	0.0011	No	25	n/a	n/a	40	n/a	n/a	0.0003046	NP Intra (normality) 1 of 3
Selenium (mg/L)	GWC-13	0.0074	n/a	3/13/2020	0.0019	No	32	n/a	n/a	62.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5	0.01	n/a	3/16/2020	0.01ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.01	n/a	3/12/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-50	0.01	n/a	3/11/2020	0.00039	No	21	n/a	n/a	80.95	n/a	n/a	0.000511	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-12	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-15_15Z	0.001	n/a	3/13/2020	0.001ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-6	0.001	n/a	3/12/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-8Z	0.001	n/a	3/16/2020	0.001ND	No	12	n/a	n/a	83.33	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.01	n/a	3/11/2020	0.01ND	No	27	n/a	n/a	92.59	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-13	0.01	n/a	3/13/2020	0.002	No	26	n/a	n/a	53.85	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-14_14Z	0.012	n/a	3/13/2020	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15_15Z	0.0165	n/a	3/13/2020	0.00095	No	26	0.006028	0.005988	34.62	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3
Vanadium (mg/L)	GWC-5	0.01	n/a	3/16/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-6	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-8Z	0.01	n/a	3/16/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	81.48	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-3	0.1185	n/a	3/11/2020	0.031	No	27	-2.766	0.3644	3.704	None	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWA-50	0.007874	n/a	3/11/2020	0.0025	No	20	0.004272	0.001962	25	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-10	0.03989	n/a	3/12/2020	0.0024	No	27	-5.18	1.127	29.63	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-11	0.015	n/a	3/12/2020	0.0038	No	27	n/a	n/a	62.96	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.05749	n/a	3/12/2020	0.015	No	27	-4.541	0.9693	14.81	None	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-13	0.01707	n/a	3/13/2020	0.0043	No	23	0.008189	0.004965	26.09	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-14_14Z	0.015	n/a	3/13/2020	0.0028	No	22	n/a	n/a	27.27	n/a	n/a	0.0004594	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-15_15Z	0.01298	n/a	3/13/2020	0.0026	No	23	0.1578	0.04314	43.48	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-5	0.1443	n/a	3/16/2020	0.047	No	27	0.07538	0.03964	3.704	None	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-6	0.01677	n/a	3/12/2020	0.0042	No	22	0.08853	0.0227	36.36	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-8Z	0.00618	n/a	3/16/2020	0.0073	No	10	0.1413	0.01813	50	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-9	0.01646	n/a	3/12/2020	0.0045	No	23	0.08051	0.0267	17.39	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3

Trend Tests Summary Table - Bedrock Wells - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:14 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-1 (bg)	-0.001069	-314	-158	Yes	34	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-4RZ (bg)	0.00552	58	44	Yes	14	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-50R (bg)	-0.0006697	-139	-106	Yes	26	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWC-13R_13RZ	0.006513	314	151	Yes	33	0	n/a	n/a	0.02	NP

Trend Tests Summary Table - Bedrock Wells - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:14 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-1 (bg)	-0.001069	-314	-158	Yes	34	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-2 (bg)	0.0005249	56	151	No	33	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-2R (bg)	0.0001336	31	151	No	33	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-4RZ (bg)	0.00552	58	44	Yes	14	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-50R (bg)	-0.0006697	-139	-106	Yes	26	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWC-13R_13RZ	0.006513	314	151	Yes	33	0	n/a	n/a	0.02	NP

Appendix III Intrawell Prediction Limits Summary Table - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:12 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg.</u>	<u>N Bg.</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWC-5	8.151	n/a	3/16/2020	12.1	Yes	13	1.854	0.3624	0	None	0.0004426	Param Intra 1 of 2	
Calcium (mg/L)	GWC-6	16.11	n/a	3/12/2020	16.2	Yes	12	13.73	0.8433	0	None	0.0004426	Param Intra 1 of 2	
Sulfate, as SO4 (mg/L)	GWC-14_14Z	8.012	n/a	3/13/2020	11.1	Yes	12	3.192	1.707	0	None	0.0004426	Param Intra 1 of 2	

Appendix III Intrawell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Calcium (mg/L)	GWA-1	35.77	n/a	3/11/2020	31.8	No	13	30.12	2.045	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-2	76.67	n/a	3/11/2020	66.6	No	13	21.87	19.84	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-2R	68.55	n/a	3/11/2020	46.8	No	13	4.874	1.233	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-3	2.13	n/a	3/11/2020	1	No	13	1.301	0.3004	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-4RZ	57.67	n/a	3/12/2020	54.2	No	13	48.45	3.34	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-50	4.676	n/a	3/11/2020	1.6	No	13	2.38	0.8311	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-50R	14.16	n/a	3/11/2020	1.2	No	13	5.032	3.306	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	46.26	n/a	3/12/2020	18.6	No	13	976.2	421.5	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10R	48.64	n/a	3/12/2020	43.2	No	13	40.21	3.054	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11	30.68	n/a	3/12/2020	8	No	13	17.71	4.696	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11R	36.51	n/a	3/12/2020	32.5	No	13	25.31	4.056	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-12	9.786	n/a	3/12/2020	8.1	No	13	8.042	0.6313	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13	77.34	n/a	3/13/2020	33	No	13	48.64	10.39	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13R_13RZ	66.28	n/a	3/17/2020	44.9	No	13	43.21	8.352	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-14_14Z	46.16	n/a	3/13/2020	17	No	13	23.01	8.383	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-15_15Z	30.61	n/a	3/13/2020	24.2	No	13	12616	5821	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-15R	62.5	n/a	3/13/2020	41	No	13	n/a	n/a	0	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWC-5	8.151	n/a	3/16/2020	12.1	Yes	13	1.854	0.3624	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	16.11	n/a	3/12/2020	16.2	Yes	12	13.73	0.8433	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6RZ	15.76	n/a	3/12/2020	9.3	No	12	11.35	1.561	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-7Z	27.62	n/a	3/12/2020	26.4	No	13	23.25	1.58	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8RR	25.71	n/a	3/12/2020	21.8	No	13	22.17	1.281	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8Z	27.75	n/a	3/16/2020	19.4	No	12	21.09	2.357	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-9	33.72	n/a	3/12/2020	1.8	No	13	10.16	8.529	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-1	2.705	n/a	3/11/2020	0.94	No	13	1.707	0.3615	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-2	171.3	n/a	3/11/2020	131	No	13	45.47	45.57	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-2R	103.2	n/a	3/11/2020	34.3	No	13	1.076	1.289	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-3	1.359	n/a	3/11/2020	0.5ND	No	13	0.7044	0.2369	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-4RZ	29.81	n/a	3/12/2020	20.8	No	14	21.19	3.193	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-50	1.082	n/a	3/11/2020	0.5ND	No	13	0.692	0.1413	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-50R	1.77	n/a	3/11/2020	0.85	No	13	1.035	0.2659	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-10	2.331	n/a	3/12/2020	1.3	No	13	1.414	0.332	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-10R	2.202	n/a	3/12/2020	0.99	No	13	1.539	0.2398	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-11	3.864	n/a	3/12/2020	1.8	No	13	2.667	0.4333	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-11R	4.815	n/a	3/12/2020	1.5	No	13	2.798	0.7303	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-12	0.8022	n/a	3/12/2020	0.5ND	No	13	0.6222	0.09903	23.08	Kaplan-Meier	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-13	205.7	n/a	3/13/2020	16.9	No	13	84.47	43.88	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-13R_13RZ	108.2	n/a	3/17/2020	72.1	No	13	53.11	19.95	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-14_14Z	8.012	n/a	3/13/2020	11.1	Yes	12	3.192	1.707	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-15_15Z	14.01	n/a	3/13/2020	1.1	No	13	4.438	3.464	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-15R	14.72	n/a	3/13/2020	8.8	No	13	9.142	2.02	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-5	2.23	n/a	3/16/2020	1.1	No	13	1.506	0.2621	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-6	4.05	n/a	3/12/2020	2.1	No	13	2.394	0.5998	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-6RZ	3.575	n/a	3/12/2020	1.4	No	13	2.112	0.5298	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-7Z	2.373	n/a	3/12/2020	1.7	No	13	0.8731	0.5429	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-8RR	2.043	n/a	3/12/2020	1.8	No	13	1.043	0.3621	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-8Z	4.386	n/a	3/16/2020	0.66	No	13	2.324	0.7467	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-9	4.885	n/a	3/12/2020	1.1	No	13	2.372	0.9101	7.692	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-1	192.9	n/a	3/11/2020	172	No	13	151.7	14.9	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-2	370	n/a	3/11/2020	309	No	13	122.7	89.51	7.692	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-2R	250.2	n/a	3/11/2020	170	No	13	120	47.12	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-3	58.82	n/a	3/11/2020	24	No	13	26.41	11.74	38.46	Kaplan-Meier	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-4RZ	444.4	n/a	3/12/2020	247	No	13	262.5	65.86	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-50	50.58	n/a	3/11/2020	17	No	13	23.65	9.751	30.77	Kaplan-Meier	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-50R	107.3	n/a	3/11/2020	24	No	13	37	25.45	23.08	Kaplan-Meier	0.0004426	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits Summary Table - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:12 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Alpha</u>	<u>Method</u>
Total Dissolved Solids (mg/l)	GWC-10	203.4	n/a	3/12/2020	63	No	13	133.3	25.39	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-10R	224.9	n/a	3/12/2020	81	No	13	161	23.15	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-11	157.3	n/a	3/12/2020	96	No	13	95.08	22.54	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-11R	178.8	n/a	3/12/2020	125	No	13	128	18.4	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-12	114	n/a	3/12/2020	64	No	13	4.084	0.2771	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-13	424.3	n/a	3/13/2020	143	No	13	239.6	66.87	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-13R_13RZ	380.1	n/a	3/17/2020	256	No	13	67659	27810	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-14_14Z	287.4	n/a	3/13/2020	59	No	13	123.6	59.29	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-15_15Z	233.3	n/a	3/13/2020	76	No	13	125.5	39.04	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-15R	247.9	n/a	3/13/2020	169	No	13	166.2	29.56	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-5	124	n/a	3/16/2020	20	No	13	43.54	29.12	15.38	Kaplan-Meier	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-6	169.5	n/a	3/12/2020	42	No	13	9.238	1.368	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-6RZ	163.6	n/a	3/12/2020	22	No	13	82	29.54	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-7Z	174.7	n/a	3/12/2020	86	No	13	125.7	17.74	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-8RR	132.3	n/a	3/12/2020	84	No	13	108.6	8.559	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-8Z	178.6	n/a	3/16/2020	76	No	13	121.7	20.62	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-9	187.9	n/a	3/12/2020	16	No	13	64.54	44.65	0	None	0.0004426	Param Intra 1 of 2

Appendix III Interwell Prediction Limits Summary Table - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Alpha</u>	<u>Method</u>
Chloride (mg/L)	GWC-10R	2.988	n/a	3/12/2020	3	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-13	2.988	n/a	3/13/2020	3.3	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-13R_13RZ	2.988	n/a	3/17/2020	7.7	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-14_14Z	2.988	n/a	3/13/2020	4.2	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2
pH (pH units)	GWC-15_15Z	7.65	5.07	3/13/2020	7.68	Yes	99	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8RR	7.65	5.07	3/12/2020	8.02	Yes	99	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-9	7.65	5.07	3/12/2020	4.82	Yes	99	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Boron (mg/L)	GWC-10	0.04	n/a	3/12/2020	0.04ND	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10R	0.04	n/a	3/12/2020	0.005	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.04	n/a	3/12/2020	0.04ND	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11R	0.04	n/a	3/12/2020	0.0058	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.04	n/a	3/12/2020	0.04ND	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.04	n/a	3/13/2020	0.014	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13R_13RZ	0.04	n/a	3/17/2020	0.017	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-14_14Z	0.04	n/a	3/13/2020	0.0081	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-15_15Z	0.04	n/a	3/13/2020	0.0054	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-15R	0.04	n/a	3/13/2020	0.0064	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.04	n/a	3/16/2020	0.04ND	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6	0.04	n/a	3/12/2020	0.0061	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6RZ	0.04	n/a	3/12/2020	0.0052	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-7Z	0.04	n/a	3/12/2020	0.0057	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8RR	0.04	n/a	3/12/2020	0.04ND	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8Z	0.04	n/a	3/16/2020	0.04ND	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.04	n/a	3/12/2020	0.0058	No	98	n/a	n/a	71.43	n/a	n/a	0.0001999	NP Inter (NDs) 1 of 2
Chloride (mg/L)	GWC-10	2.988	n/a	3/12/2020	2.3	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-10R	2.988	n/a	3/12/2020	3	Yes	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-11	2.988	n/a	3/12/2020	1	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-11R	2.988	n/a	3/12/2020	1.5	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-12	2.988	n/a	3/12/2020	0.84	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-13	2.988	n/a	3/13/2020	3.3	Yes	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-13R_13RZ	2.988	n/a	3/17/2020	7.7	Yes	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-14_14Z	2.988	n/a	3/13/2020	4.2	Yes	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-15_15Z	2.988	n/a	3/13/2020	0.7	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-15R	2.988	n/a	3/13/2020	1.6	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-5	2.988	n/a	3/16/2020	0.67	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-6	2.988	n/a	3/12/2020	1.3	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-6RZ	2.988	n/a	3/12/2020	1.3	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-7Z	2.988	n/a	3/12/2020	0.72	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-8RR	2.988	n/a	3/12/2020	0.93	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-8Z	2.988	n/a	3/16/2020	1.3	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-9	2.988	n/a	3/12/2020	1.9	No	98	1.177	0.2634	6.122	None	n/a	0.0004426	Param Inter 1 of 2
Fluoride (mg/L)	GWC-10	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10R	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11R	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-13	0.3	n/a	3/13/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-13R_13RZ	0.3	n/a	3/17/2020	0.11	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-14_14Z	0.3	n/a	3/13/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-15_15Z	0.3	n/a	3/13/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-15R	0.3	n/a	3/13/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-5	0.3	n/a	3/16/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-6	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-6RZ	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-7Z	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-8RR	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-8Z	0.3	n/a	3/16/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	51.55	n/a	n/a	0.0002042	NP Inter (NDs) 1 of 2
pH (pH units)	GWC-10	7.65	5.07	3/12/2020	6.43	No	99	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-10R	7.65	5.07	3/12/2020	7.49	No	99	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11	7.65	5.07	3/12/2020	6.3	No	99	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11R	7.65	5.07	3/12/2020	7.6	No	99	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits Summary Table - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
pH (pH units)	GWC-12	7.65	5.07	3/12/2020	6.17	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-13	7.65	5.07	3/13/2020	7.25	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-13R_13RZ	7.65	5.07	3/17/2020	7.62	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-14_14Z	7.65	5.07	3/13/2020	6.16	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-15_15Z	7.65	5.07	3/13/2020	7.68	Yes	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-15R	7.65	5.07	3/13/2020	7.56	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-5	7.65	5.07	3/16/2020	6.88	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-6	7.65	5.07	3/12/2020	7.4	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-6RZ	7.65	5.07	3/12/2020	6.88	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-7Z	7.65	5.07	3/12/2020	7.53	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8RR	7.65	5.07	3/12/2020	8.02	Yes	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8Z	7.65	5.07	3/16/2020	7.01	No	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-9	7.65	5.07	3/12/2020	4.82	Yes	99	n/a	n/a	0	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2

Trend Tests Summary Table - Prediction Limit Exceedances - Appendix III Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/6/2020, 4:26 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-1 (bg)	0.61	19	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-2 (bg)	-5.033	-15	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-2R (bg)	4.179	41	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-3 (bg)	-0.1591	-54	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-4RZ (bg)	0.5153	5	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-50 (bg)	-0.04086	-4	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-50R (bg)	-0.8474	-29	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-10	-3.359	-18	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-5	-0.2792	-25	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-6	0.3688	20	39	No	13	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-1 (bg)	-0.07256	-27	-44	No	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-2 (bg)	-0.3486	-39	-44	No	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-2R (bg)	0.002755	3	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-3 (bg)	-0.03156	-34	-44	No	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-4RZ (bg)	0	2	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-50 (bg)	-0.05741	-26	-44	No	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-50R (bg)	-0.05729	-34	-44	No	14	14.29	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-10R	-0.03027	-10	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-13	0	-1	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-13R_13RZ	1.019	39	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-14_14Z	0.4506	47	44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-1 (bg)	-0.02607	-31	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-2 (bg)	-0.233	-37	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-2R (bg)	-0.09597	-44	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-3 (bg)	-0.1413	-69	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-4RZ (bg)	-0.03583	-11	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-50 (bg)	-0.08734	-34	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-50R (bg)	-0.1618	-35	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-15_15Z	-0.1063	-41	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-8RR	-0.04345	-25	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-9	-0.2898	-32	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-1 (bg)	-0.3058	-72	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-2 (bg)	-8.636	-13	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-2R (bg)	0.8303	33	44	No	14	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-3 (bg)	-0.1575	-52	-44	Yes	14	14.29	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-4RZ (bg)	1.685	23	48	No	15	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-50 (bg)	-0.08022	-40	-44	No	14	14.29	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-50R (bg)	-0.09287	-36	-44	No	14	7.143	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWC-14_14Z	1.298	31	39	No	13	0	n/a	n/a	0.02	NP

Excluded Data - Bedrock Wells

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/7/2020, 10:08 AM

GWC-13R_13RZ Zinc (mg/L)
GWC-15R Zinc (mg/L)

8/21/2007	
8/23/2007	
10/24/2007	
11/17/2007	0.023 (O)
11/18/2007	
1/15/2008	
1/30/2008	
1/31/2008	
3/6/2008	
3/11/2008	
12/2/2008	0.021 (O)
12/4/2008	
12/12/2008	0.097 (O)
4/23/2009	
4/29/2009	0.068 (O)
10/6/2009	
10/7/2009	
10/21/2009	
4/27/2010	
4/28/2010	0.048 (O)
5/3/2010	
4/27/2011	
4/3/2012	
4/2/2013	
10/8/2013	
10/16/2013	
4/1/2014	
10/1/2014	
3/30/2015	
3/31/2015	
4/1/2015	
10/11/2015	
10/13/2015	
10/14/2015	
3/29/2016	
3/30/2016	
4/5/2016	
9/28/2016	
3/16/2018	

Excluded Data - Overburden Wells

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/7/2020, 10:10 AM

	GWC-6 Zinc (mg/L)	GWC-9 Zinc (mg/L)
8/22/2007	0.04 (o)	
8/23/2007		
8/24/2007		
11/2/2007		
11/17/2007		
11/18/2007		
11/20/2007	0.03 (o)	
1/15/2008		0.075 (o)
1/16/2008		
1/23/2008	0.048 (o)	
1/31/2008		
3/5/2008		
3/6/2008		0.051 (o)
3/10/2008		
3/11/2008		
5/13/2008		
5/14/2008		
12/2/2008		
12/5/2008		
12/12/2008		0.077 (o)
12/13/2008		
12/14/2008		
4/15/2009		
4/16/2009		0.064 (o)
4/28/2009		
4/29/2009		
10/8/2009		
10/9/2009	0.055 (o)	
10/20/2009		
10/21/2009		
4/27/2010		
5/4/2010	0.045 (o)	
5/2/2012		
4/15/2013		
10/22/2013		
4/21/2014		
9/30/2014		
4/3/2015		
10/7/2015		
3/22/2016		
3/28/2016		
3/30/2016		
4/5/2016		
5/31/2016		
8/9/2016		
3/23/2019		

Excluded Data - Appendix III

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/7/2020, 10:11 AM

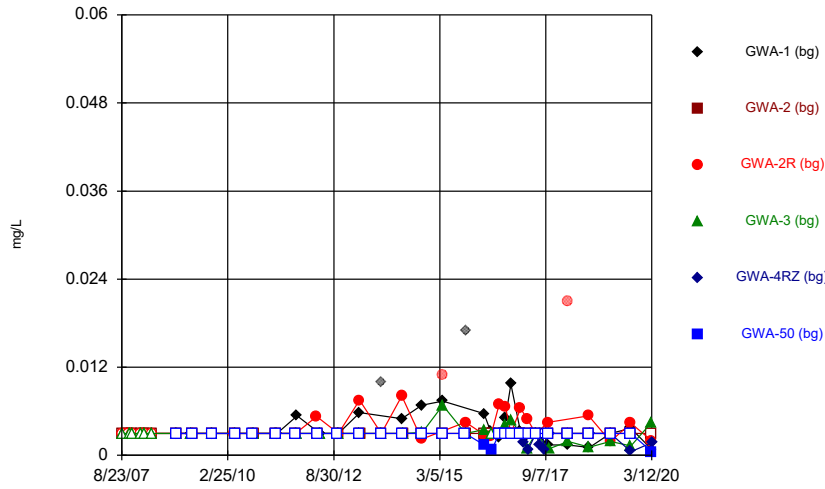
GWA-2 Fluoride (mg/L)

3/19/2018

1.1 (o)

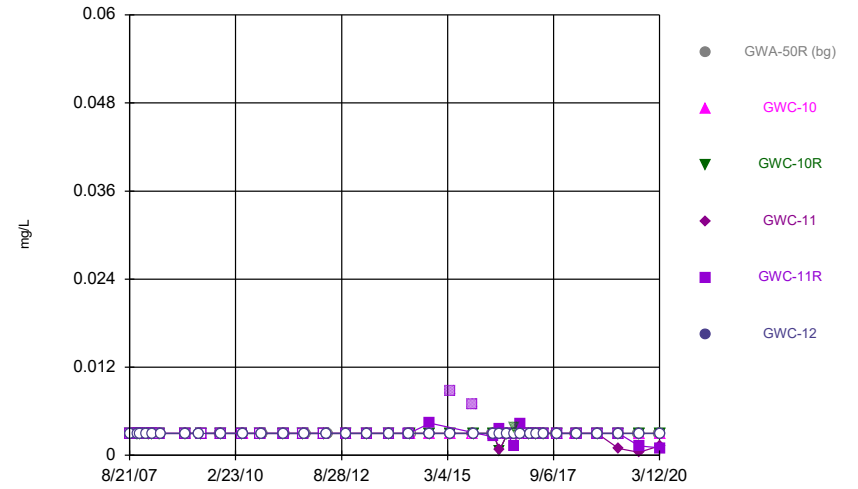
FIGURE A.

Time Series



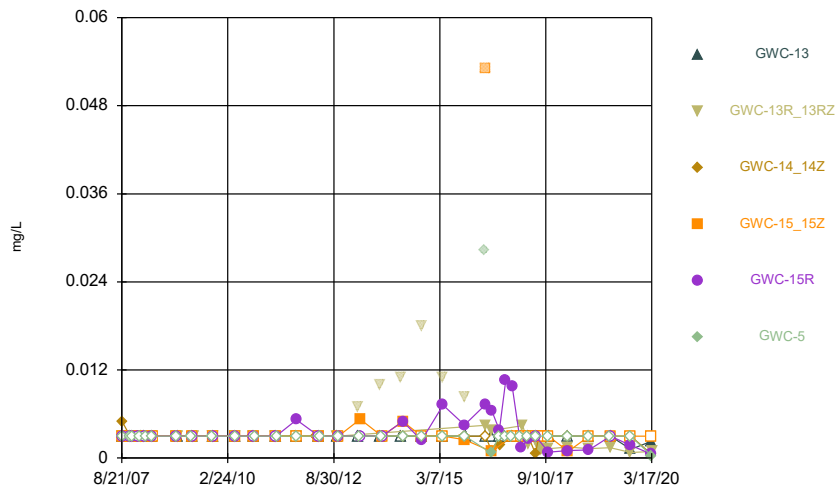
Constituent: Antimony Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



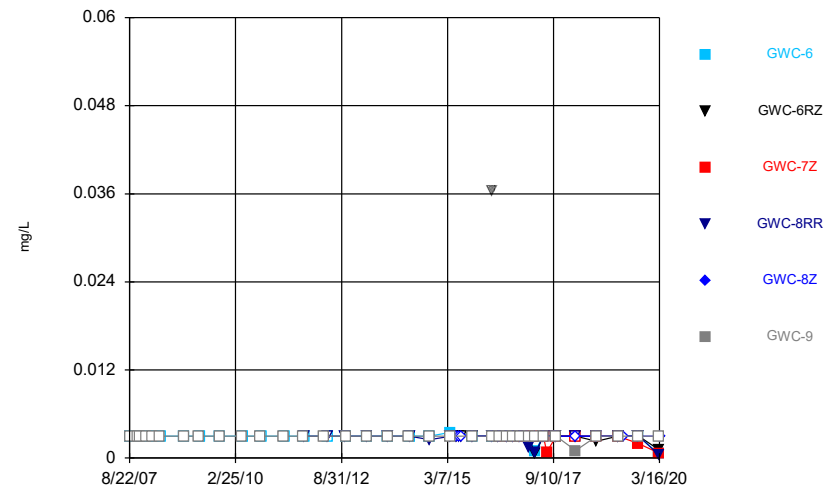
Constituent: Antimony Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Antimony Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Antimony Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.003	<0.003	<0.003	<0.003		
10/23/2007	<0.003					
10/24/2007		<0.003	<0.003			
11/2/2007				<0.003		
11/18/2007	<0.003	<0.003	<0.003	<0.003		
1/30/2008	<0.003					
1/31/2008		<0.003	<0.003	<0.003		
3/10/2008	<0.003		<0.003			
3/11/2008		<0.003		<0.003		
5/6/2008		<0.003				
5/13/2008	<0.003		<0.003			
5/14/2008				<0.003		
12/4/2008		<0.003	<0.003			
12/5/2008	<0.003			<0.003		
12/12/2008						<0.003
4/15/2009	<0.003			<0.003		
4/21/2009		<0.003	<0.003			
4/23/2009						<0.003
10/6/2009						<0.003
10/7/2009	<0.003	<0.003				
10/8/2009			<0.003	<0.003		
4/21/2010			<0.003			
4/26/2010		<0.003				
4/27/2010						<0.003
4/28/2010				<0.003		
5/3/2010	<0.003					
9/28/2010			<0.003			
9/30/2010						<0.003
10/4/2010		<0.003				
10/6/2010				<0.003		
10/12/2010	<0.003					
4/12/2011			<0.003			
4/13/2011		<0.003				
4/14/2011						<0.003
4/21/2011				<0.003		
4/27/2011	<0.003					
10/4/2011			<0.003			
10/5/2011		<0.003				<0.003
10/13/2011				<0.003		
10/17/2011	0.0054					
4/3/2012			0.0053			
4/11/2012		<0.003				<0.003
5/1/2012				<0.003		
5/2/2012	<0.003					
10/2/2012						<0.003
10/8/2012	<0.003					
10/9/2012		<0.003	<0.003	<0.003		
4/9/2013						<0.003
4/11/2013			0.0075	<0.003		
4/12/2013	0.0058					
4/15/2013		<0.003				
10/15/2013		<0.003				<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	0.01 (o)		<0.003	<0.003		
4/10/2014			0.0081			<0.003
4/11/2014	0.005 (J)					
4/22/2014		<0.003				
4/23/2014				<0.003		
9/30/2014	0.0068	<0.003	0.0022 (J)			
10/1/2014						<0.003
10/4/2014				0.0031 (J)		
3/30/2015	0.0074	<0.003	0.011 (o)			<0.003
3/31/2015				0.0068		
10/11/2015						<0.003
10/12/2015				<0.003		
10/13/2015	0.017 (o)	<0.003	0.0045 (J)			
3/22/2016	0.00567					
3/23/2016		<0.003	0.00281 (J)	0.0035		
3/28/2016						0.00139 (J)
5/19/2016	0.00319		0.00264 (J)			
5/20/2016		<0.003				
5/23/2016				<0.003		0.000677 (J)
7/29/2016	0.0025 (J)	<0.003	0.0069	0.0029 (J)		
8/1/2016						<0.003
9/22/2016			0.0066	0.0041		
9/23/2016	0.0051	<0.003				
9/26/2016						<0.003
11/9/2016	0.0097 (J)	<0.003				
11/10/2016			<0.003	0.0048 (J)		<0.003
1/30/2017	0.0032					<0.003
1/31/2017		<0.003	0.0064	<0.003		
2/22/2017					0.0018 (J)	
3/30/2017	0.0028 (J)	<0.003		0.001 (J)		
4/3/2017			0.0049			
4/7/2017					0.0008 (J)	<0.003
6/9/2017	<0.003		<0.003			
6/12/2017		<0.003		<0.003		<0.003
6/14/2017					<0.003	
7/12/2017					0.0015 (J)	
7/20/2017					<0.003	
7/28/2017					<0.003	
8/9/2017					<0.003	
8/24/2017					0.0007 (J)	
10/2/2017	0.0014 (J)	<0.003	0.0045			<0.003
10/3/2017					<0.003	
10/4/2017				0.0009 (J)		
3/16/2018	0.0014 (J)		0.021 (o)			<0.003
3/19/2018		<0.003		0.0019 (J)		
3/21/2018					<0.003	
9/14/2018		<0.003	0.0054			
9/17/2018	0.00105 (JD)			0.0011 (J)		<0.003
9/18/2018					<0.003	
3/19/2019			0.0019 (J)			<0.003
3/20/2019	<0.003	<0.003		0.0019 (J)		
3/21/2019					<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	0.0037	<0.003 (D)			0.00052 (J)	
9/13/2019			0.0044	0.0013 (J)		<0.003
3/11/2020	0.00079 (J)	<0.003	0.002 (J)	0.0045		0.0005 (J)
3/12/2020					0.0017 (J)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2007		<0.003	<0.003	<0.003	<0.003	<0.003
11/18/2007				<0.003	<0.003	
11/19/2007						<0.003
11/20/2007		<0.003	<0.003			
1/16/2008						<0.003
1/30/2008		<0.003	<0.003	<0.003	<0.003	
3/5/2008				<0.003		<0.003
3/6/2008		<0.003	<0.003		<0.003	
5/7/2008				<0.003	<0.003	
5/8/2008			<0.003			
5/12/2008		<0.003				
5/13/2008						<0.003
12/12/2008	<0.003					
12/13/2008		<0.003				<0.003
12/14/2008			<0.003	<0.003	<0.003	
4/16/2009						<0.003
4/23/2009	<0.003					
4/29/2009		<0.003	<0.003	<0.003	<0.003	
10/6/2009	<0.003					
10/20/2009		<0.003				
10/21/2009			<0.003			<0.003
10/22/2009				<0.003	<0.003	
4/21/2010			<0.003	<0.003	<0.003	
4/26/2010		<0.003				
4/27/2010						<0.003
5/3/2010	<0.003					
9/28/2010			<0.003	<0.003		
9/29/2010		<0.003			<0.003	
10/5/2010						<0.003
10/11/2010	<0.003					
4/12/2011			<0.003	<0.003		
4/13/2011		<0.003			<0.003	
4/19/2011						<0.003
4/27/2011	<0.003					
10/4/2011			<0.003	<0.003	<0.003	
10/5/2011		<0.003				
10/12/2011						<0.003
10/19/2011	<0.003					
4/3/2012			<0.003	<0.003		
4/4/2012		<0.003			<0.003	
4/24/2012						<0.003
5/1/2012	<0.003					
10/2/2012	<0.003					<0.003
10/3/2012		<0.003		<0.003	<0.003	
10/8/2012			<0.003			
4/2/2013						<0.003
4/3/2013		<0.003	<0.003	<0.003	<0.003	
4/10/2013	<0.003					
10/9/2013				<0.003	<0.003	<0.003
10/15/2013		<0.003	<0.003			
10/16/2013	<0.003					

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.003
4/2/2014				<0.003	<0.003	
4/9/2014		<0.003	<0.003			
4/22/2014	<0.003					
10/1/2014	<0.003					
10/2/2014		<0.003	<0.003	<0.003	0.0044 (J)	<0.003
3/30/2015	<0.003					
4/1/2015				<0.003	0.0087 (o)	<0.003
4/2/2015		<0.003	<0.003			
10/10/2015		<0.003				
10/11/2015	<0.003			<0.003	0.007 (o)	
10/12/2015			<0.003			
10/14/2015						<0.003
3/28/2016	<0.003					
3/31/2016		<0.003	<0.003			
4/4/2016				<0.003	0.00252 (J)	<0.003
5/25/2016	<0.003					
5/26/2016		<0.003	0.000659 (J)	0.000722 (J)	0.00351	
5/27/2016						<0.003
8/1/2016	<0.003					
8/3/2016			<0.003	<0.003		<0.003
8/4/2016					<0.003	
8/5/2016		<0.003				
9/26/2016	<0.003					
9/28/2016		<0.003	0.0037 (o)	<0.003	0.0012 (J)	
9/30/2016						<0.003
11/11/2016	<0.003					
11/22/2016		<0.003	<0.003	<0.003	0.0042	<0.003
1/30/2017	<0.003					
2/7/2017		<0.003	<0.003			
2/8/2017				<0.003	<0.003	
2/13/2017						<0.003
4/3/2017	<0.003					
4/10/2017		<0.003	<0.003	<0.003	<0.003	
4/11/2017						<0.003
6/12/2017	<0.003					
6/14/2017		<0.003	<0.003			<0.003
6/15/2017				<0.003	<0.003	
10/2/2017	<0.003					
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003
3/16/2018	<0.003					
3/20/2018		<0.003				
3/21/2018			<0.003	<0.003		
3/22/2018					<0.003	<0.003
9/18/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/19/2019	<0.003					
3/22/2019		<0.003	<0.003			
3/23/2019				0.00094 (J)	<0.003	<0.003
9/12/2019	<0.003					
9/17/2019		<0.003	<0.003	0.00041 (J)	0.0013 (J)	<0.003 (D)
3/11/2020	<0.003					
3/12/2020		<0.003	<0.003	0.0013 (J)	0.001 (J)	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.003	<0.003				
8/23/2007					<0.003	<0.003
8/24/2007			0.005	<0.003		
10/25/2007						<0.003
11/1/2007	<0.003	<0.003				
11/2/2007			<0.003	<0.003	<0.003	
11/17/2007			<0.003		<0.003	
11/18/2007				<0.003		
11/19/2007	<0.003	<0.003				<0.003
1/15/2008			<0.003	<0.003	<0.003	
1/23/2008						<0.003
1/31/2008	<0.003	<0.003				
3/5/2008	<0.003	<0.003	<0.003			
3/6/2008					<0.003	
3/10/2008				<0.003		
3/11/2008						<0.003
5/7/2008		<0.003	<0.003		<0.003	
5/12/2008	<0.003					<0.003
5/13/2008				<0.003		
12/2/2008			<0.003	<0.003	<0.003	
12/11/2008						<0.003
12/12/2008		<0.003				
12/13/2008	<0.003					
4/15/2009						<0.003
4/16/2009			<0.003			
4/28/2009	<0.003			<0.003	<0.003	
4/29/2009		<0.003				
10/9/2009						<0.003
10/19/2009					<0.003	
10/20/2009			<0.003	<0.003		
10/21/2009	<0.003	<0.003				
4/20/2010			<0.003			
4/27/2010				<0.003	<0.003	
4/28/2010	<0.003	<0.003				
5/4/2010						<0.003
9/29/2010			<0.003			
10/4/2010					<0.003	
10/5/2010	<0.003			<0.003		
10/6/2010		<0.003				
10/12/2010						<0.003
4/12/2011			<0.003			
4/18/2011					<0.003	
4/19/2011	<0.003			<0.003		
4/20/2011		<0.003				
4/28/2011						<0.003
10/4/2011			<0.003			
10/12/2011		<0.003		<0.003	0.0052	
10/18/2011	<0.003					
10/19/2011						<0.003
4/4/2012			<0.003			
4/23/2012					<0.003	
4/25/2012	<0.003	<0.003		<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.003
10/2/2012	<0.003	<0.003				
10/9/2012						<0.003
10/10/2012			<0.003	<0.003	<0.003	
4/2/2013	<0.003	0.007 (o)				
4/11/2013						<0.003
4/15/2013			<0.003		<0.003	
4/16/2013				0.0053		
10/8/2013	<0.003	0.01 (o)				
10/16/2013						<0.003
10/22/2013			<0.003	<0.003	<0.003	
4/1/2014	<0.003	0.011 (o)				
4/21/2014			<0.003	0.005 (J)	0.005 (J)	
4/23/2014						<0.003
9/30/2014			<0.003	<0.003	0.0024 (J)	
10/1/2014	<0.003	0.018 (o)				
10/3/2014						<0.003
3/31/2015		0.011 (o)				<0.003
4/1/2015	<0.003					
4/3/2015			<0.003	<0.003	0.0072	
10/6/2015				0.0025 (J)		
10/7/2015			<0.003		0.0045 (J)	
10/12/2015						<0.003
10/14/2015		0.0083 (o)				
10/15/2015	<0.003					
3/28/2016						0.0284 (o)
4/4/2016	<0.003	0.00447				
4/5/2016			<0.003	0.053 (o)	0.00727	
5/25/2016						0.000686 (J)
5/31/2016	<0.003			0.00088 (J)	0.00649	
6/1/2016		0.00377	0.000895 (J)			
8/1/2016						<0.003
8/4/2016	<0.003				0.0038	
8/9/2016			0.0017 (JD)			
9/27/2016						<0.003
9/29/2016	<0.003				0.0106	
11/11/2016						<0.003
11/23/2016				<0.003	0.0098	
11/28/2016	<0.003		<0.003			
1/31/2017						<0.003
2/9/2017	<0.003		<0.003			
2/10/2017				<0.003	0.0014 (J)	
2/22/2017		0.0044				
4/3/2017						<0.003
4/11/2017		0.0019 (J)	<0.003	<0.003		
4/12/2017	<0.003				0.0026 (J)	
6/12/2017						<0.003
6/14/2017			0.0006 (J)			
6/15/2017				<0.003	<0.003	
6/16/2017	<0.003	<0.003				
7/12/2017		0.0018 (J)	<0.003	<0.003		
7/26/2017				<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		0.0011 (J)				
8/10/2017		0.0012 (J)				
10/3/2017						<0.003
10/5/2017			<0.003			
10/6/2017		0.0013 (J)		<0.003	0.0008 (J)	
10/9/2017	<0.003					
3/19/2018						<0.003
3/21/2018	<0.003					
3/22/2018			<0.003			
3/23/2018		0.0015 (J)		0.00089 (J)	0.001 (J)	
9/17/2018						<0.003
9/19/2018	<0.003		<0.003	<0.003	0.0011 (J)	
9/20/2018		0.0013 (J)				
3/20/2019						<0.003
3/22/2019		0.0014 (J)	<0.003	<0.003		
3/23/2019	<0.003					
3/25/2019					<0.003	
9/16/2019						<0.003
9/17/2019			<0.003	<0.003	0.0017 (J)	
9/18/2019	0.0012 (J)	0.00077 (X)				
3/13/2020	0.0023 (J)		0.00053 (J)	<0.003	0.00056 (J)	
3/16/2020						0.00031 (J)
3/17/2020		0.0009 (J)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

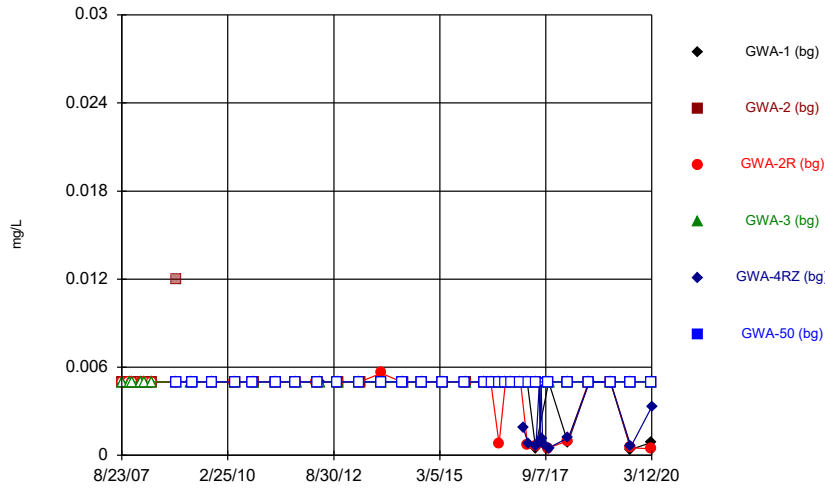
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.003					
8/23/2007						<0.003
10/25/2007	<0.003					
11/1/2007						<0.003
11/19/2007						<0.003
11/20/2007	<0.003					
1/15/2008						<0.003
1/23/2008	<0.003					
3/6/2008						<0.003
3/11/2008	<0.003					
5/13/2008						<0.003
5/14/2008	<0.003					
12/11/2008	<0.003					
12/12/2008						<0.003
4/16/2009						<0.003
4/23/2009	<0.003					
10/9/2009	<0.003					
10/13/2009						<0.003
4/21/2010						<0.003
5/4/2010	<0.003					
9/29/2010						<0.003
10/11/2010	<0.003					
4/13/2011						<0.003
4/26/2011	<0.003					
10/5/2011						<0.003
10/18/2011	<0.003			<0.003		
4/4/2012						<0.003
4/30/2012				<0.003		
5/2/2012	<0.003					
10/3/2012				<0.003		
10/8/2012	<0.003					<0.003
4/8/2013				<0.003		<0.003
4/10/2013	<0.003					
10/8/2013	<0.003					
10/9/2013				<0.003		<0.003
4/9/2014						<0.003
4/10/2014				<0.003		
4/14/2014	<0.003					
9/30/2014						<0.003
10/2/2014				0.0025 (J)		
10/3/2014	<0.003					
4/1/2015	0.0035 (J)					
4/2/2015						<0.003
4/3/2015				<0.003		
5/26/2015		<0.003			<0.003	
6/18/2015		<0.003 (D)			<0.003 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				<0.003	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						<0.003 (D)
3/22/2016					<0.003	
3/29/2016	<0.003	0.0364 (o)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

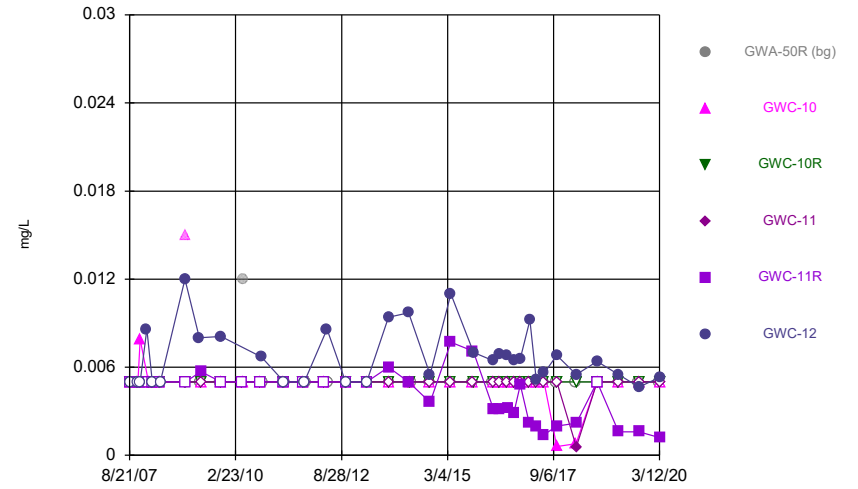
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				0.0015 (J)		<0.003
4/6/2017	0.001 (J)	0.0006 (J)	<0.003	0.0007 (J)		<0.003
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	<0.003
6/14/2017				<0.003		
7/14/2017			0.0008 (J)			
10/3/2017	<0.003	<0.003	<0.003		<0.003	<0.003
10/4/2017				<0.003		
3/19/2018	<0.003					
3/20/2018		<0.003	<0.003		<0.003	0.001 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	0.0023 (J)				
9/18/2018			<0.003	<0.003	<0.003	<0.003 (D)
3/21/2019	<0.003	<0.003	<0.003			<0.003
3/27/2019				<0.003		
5/6/2019					<0.003	
9/13/2019			0.002 (J)			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	<0.003
3/12/2020	0.00052 (J)	0.0011 (J)	0.00066 (J)	0.00043 (J)		<0.003
3/16/2020					<0.003	

Time Series



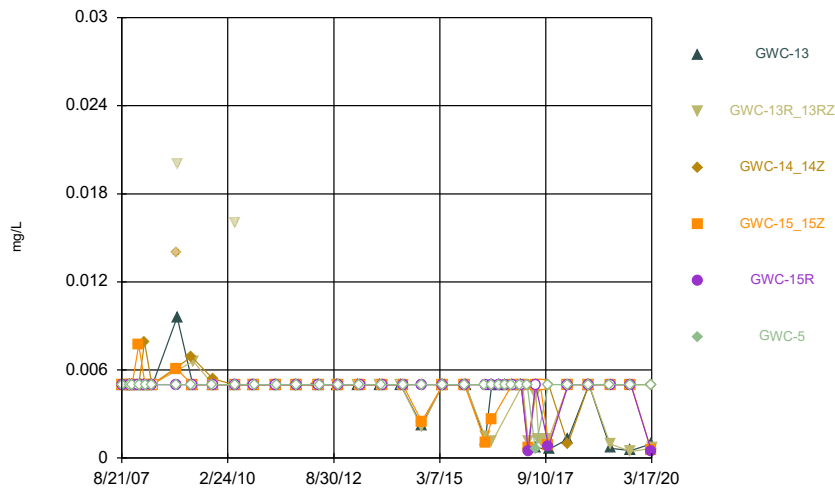
Constituent: Arsenic Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



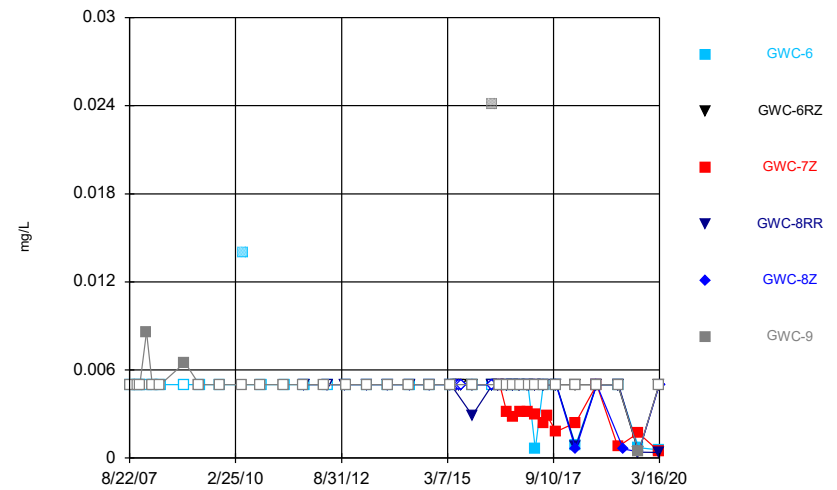
Constituent: Arsenic Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Arsenic Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Arsenic Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.005	<0.005	<0.005	<0.005		
10/23/2007	<0.005					
10/24/2007		<0.005	<0.005			
11/2/2007				<0.005		
11/18/2007	<0.005	<0.005	<0.005	<0.005		
1/30/2008	<0.005					
1/31/2008		<0.005	0.005	<0.005		
3/10/2008	<0.005		<0.005			
3/11/2008		<0.005		<0.005		
5/6/2008		<0.005				
5/13/2008	<0.005		<0.005			
5/14/2008				<0.005		
12/4/2008		0.012 (o)	<0.005			
12/5/2008	<0.005			<0.005		
12/12/2008						<0.005
4/15/2009	<0.005			<0.005		
4/21/2009		<0.005	<0.005			
4/23/2009						<0.005
10/6/2009						<0.005
10/7/2009	<0.005	<0.005				
10/8/2009			<0.005	<0.005		
4/21/2010			<0.005			
4/26/2010		<0.005				
4/27/2010						<0.005
4/28/2010				<0.005		
5/3/2010	<0.005					
9/28/2010			<0.005			
9/30/2010						<0.005
10/4/2010		<0.005				
10/6/2010				<0.005		
10/12/2010	<0.005					
4/12/2011			<0.005			
4/13/2011		<0.005				
4/14/2011						<0.005
4/21/2011				<0.005		
4/27/2011	<0.005					
10/4/2011			<0.005			
10/5/2011		<0.005				<0.005
10/13/2011				<0.005		
10/17/2011	<0.005					
4/3/2012			<0.005			
4/11/2012		<0.005				<0.005
5/1/2012				<0.005		
5/2/2012	<0.005					
10/2/2012						<0.005
10/8/2012	<0.005					
10/9/2012		<0.005	<0.005	<0.005		
4/9/2013						<0.005
4/11/2013			<0.005	<0.005		
4/12/2013	<0.005					
4/15/2013		<0.005				
10/15/2013		<0.005				<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.005		0.0056	<0.005		
4/10/2014			<0.005			<0.005
4/11/2014	<0.005					
4/22/2014		<0.005				
4/23/2014				<0.005		
9/30/2014	<0.005	<0.005	<0.005			
10/1/2014						<0.005
10/4/2014				<0.005		
3/30/2015	<0.005	<0.005	<0.005			<0.005
3/31/2015				<0.005		
10/11/2015						<0.005
10/12/2015				<0.005		
10/13/2015	<0.005	<0.005	<0.005			
3/22/2016	<0.005					
3/23/2016		<0.005	<0.005	<0.005		
3/28/2016						<0.005
5/19/2016	<0.005		<0.005			
5/20/2016		<0.005				
5/23/2016				<0.005		<0.005
7/29/2016	<0.005	<0.005	0.0008 (J)	<0.005		
8/1/2016						<0.005
9/22/2016			<0.005	<0.005		
9/23/2016	<0.005	<0.005				
9/26/2016						<0.005
11/9/2016	<0.005	<0.005				
11/10/2016			<0.005	<0.005		<0.005
1/30/2017	<0.005					<0.005
1/31/2017		<0.005	<0.005	<0.005		
2/22/2017					0.0019 (J)	
3/30/2017	<0.005	<0.005		<0.005		
4/3/2017			0.0007 (J)			
4/7/2017					0.0008 (J)	<0.005
6/9/2017	0.0005 (J)		0.0006 (J)			
6/12/2017		<0.005		<0.005		<0.005
6/14/2017					0.0006 (J)	
7/12/2017					<0.005	
7/20/2017					0.0009 (J)	
7/28/2017					<0.005	
8/9/2017					0.0011 (J)	
8/24/2017					0.0007 (J)	
10/2/2017	<0.005	<0.005	0.0005 (J)			<0.005
10/3/2017					0.0005 (J)	
10/4/2017				<0.005		
3/16/2018	0.00085 (J)		0.001 (J)			<0.005
3/19/2018		<0.005		<0.005		
3/21/2018					0.0012 (J)	
9/14/2018		<0.005	<0.005			
9/17/2018	<0.005 (D)			<0.005		<0.005
9/18/2018					<0.005	
3/19/2019			<0.005			<0.005
3/20/2019	<0.005	<0.005		<0.005		
3/21/2019					<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	0.0004 (J)	<0.005 (D)			0.0006 (J)	
9/13/2019			0.00051 (J)	<0.005		<0.005
3/11/2020	0.00088 (J)	<0.005	0.00044 (J)	<0.005		<0.005
3/12/2020					0.0033 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005	
11/19/2007						<0.005
11/20/2007		0.0079	<0.005			
1/16/2008						0.0086
1/30/2008		<0.005	<0.005	<0.005	<0.005	
3/5/2008				<0.005		<0.005
3/6/2008		<0.005	<0.005		<0.005	
5/7/2008				<0.005	<0.005	
5/8/2008			<0.005			
5/12/2008		<0.005				
5/13/2008						<0.005
12/12/2008	<0.005					
12/13/2008		0.015 (o)				0.012
12/14/2008			<0.005	<0.005	<0.005	
4/16/2009						0.008
4/23/2009	<0.005					
4/29/2009		<0.005	<0.005	<0.005	0.0057	
10/6/2009	<0.005					
10/20/2009		<0.005				
10/21/2009			<0.005			0.0081
10/22/2009				<0.005	<0.005	
4/21/2010			<0.005	<0.005	<0.005	
4/26/2010		<0.005				
5/3/2010	0.012 (o)					
9/28/2010			<0.005	<0.005		
9/29/2010		<0.005			<0.005	
10/5/2010						0.0067
10/11/2010	<0.005					
4/12/2011			<0.005	<0.005		
4/13/2011		<0.005			<0.005	
4/19/2011						<0.005
4/27/2011	<0.005					
10/4/2011			<0.005	<0.005	<0.005	
10/5/2011		<0.005				
10/12/2011						<0.005
10/19/2011	<0.005					
4/3/2012			<0.005	<0.005		
4/4/2012		<0.005			<0.005	
4/24/2012						0.0086
5/1/2012	<0.005					
10/2/2012	<0.005					<0.005
10/3/2012		<0.005		<0.005	<0.005	
10/8/2012			<0.005			
4/2/2013						<0.005
4/3/2013		<0.005	<0.005	<0.005	<0.005	
4/10/2013	<0.005					
10/9/2013				<0.005	0.006	0.0094
10/15/2013		<0.005	<0.005			
10/16/2013	<0.005					
4/1/2014						0.0097

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/2/2014				<0.005	0.005 (J)	
4/9/2014		<0.005	<0.005			
4/22/2014	<0.005					
10/1/2014	<0.005					
10/2/2014		<0.005	<0.005	<0.005	0.0036 (J)	0.0055
3/30/2015	<0.005					
4/1/2015				<0.005	0.0077	0.011
4/2/2015		<0.005	<0.005			
10/10/2015		<0.005				
10/11/2015	<0.005			<0.005	0.0071	
10/12/2015			<0.005			
10/14/2015						0.007
3/28/2016	<0.005					
3/31/2016		<0.005	<0.005			
4/4/2016				<0.005	0.00315 (J)	0.00645
5/25/2016	<0.005					
5/26/2016		<0.005	<0.005	<0.005	0.00313 (J)	
5/27/2016						0.00692
8/1/2016	<0.005					
8/3/2016			<0.005	<0.005		0.0068
8/4/2016					0.0032 (J)	
8/5/2016		<0.005				
9/26/2016	<0.005					
9/28/2016		<0.005	<0.005	<0.005	0.0029 (J)	
9/30/2016						0.0065
11/11/2016	<0.005					
11/22/2016		<0.005	<0.005	<0.005	0.0048 (J)	0.0066
1/30/2017	<0.005					
2/7/2017		<0.005	<0.005			
2/8/2017				<0.005	0.0022 (J)	
2/13/2017						0.0092
4/3/2017	<0.005					
4/10/2017		<0.005	<0.005	<0.005	0.002 (J)	
4/11/2017						0.0051
6/12/2017	<0.005					
6/14/2017		<0.005	<0.005			0.0056
6/15/2017				<0.005	0.0014 (J)	
10/2/2017	<0.005					
10/4/2017		0.0006 (J)	<0.005	<0.005	0.002 (J)	0.0068
3/16/2018	<0.005					
3/20/2018		0.00079 (J)				
3/21/2018			<0.005	0.00058 (J)		
3/22/2018					0.0022 (J)	0.0055
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0064
3/19/2019	<0.005					
3/22/2019		<0.005	<0.005			
3/23/2019				<0.005	0.0016 (J)	0.0055
9/12/2019	<0.005					
9/17/2019		<0.005	<0.005	<0.005	0.0016 (J)	0.00465 (JD)
3/11/2020	<0.005					
3/12/2020		<0.005	<0.005	<0.005	0.0012 (J)	0.0053

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.005	<0.005				
8/23/2007					<0.005	<0.005
8/24/2007			<0.005	<0.005		
10/25/2007						<0.005
11/1/2007	<0.005	<0.005				
11/2/2007			<0.005	<0.005	<0.005	
11/17/2007			<0.005		<0.005	
11/18/2007				<0.005		
11/19/2007	<0.005	<0.005				<0.005
1/15/2008			<0.005	0.0077	<0.005	
1/23/2008						<0.005
1/31/2008	<0.005	<0.005				
3/5/2008	<0.005	<0.005	0.0079			
3/6/2008					<0.005	
3/10/2008				<0.005		
3/11/2008						<0.005
5/7/2008		<0.005	<0.005		<0.005	
5/12/2008	<0.005					<0.005
5/13/2008				<0.005		
12/2/2008			0.014 (o)	0.0061	<0.005	
12/11/2008						<0.005
12/12/2008		0.02 (o)				
12/13/2008	0.0096					
4/15/2009						<0.005
4/16/2009			0.0069			
4/28/2009	<0.005			<0.005	<0.005	
4/29/2009		0.0066				
10/9/2009						<0.005
10/19/2009					<0.005	
10/20/2009			0.0054	<0.005		
10/21/2009	<0.005	<0.005				
4/20/2010			<0.005			
4/27/2010				<0.005	<0.005	
4/28/2010	<0.005	0.016 (o)				
5/4/2010						<0.005
9/29/2010			<0.005			
10/4/2010					<0.005	
10/5/2010	<0.005			<0.005		
10/6/2010		<0.005				
10/12/2010						<0.005
4/12/2011			<0.005			
4/18/2011					<0.005	
4/19/2011	<0.005			<0.005		
4/20/2011		<0.005				
4/28/2011						<0.005
10/4/2011			<0.005			
10/12/2011		<0.005		<0.005	<0.005	
10/18/2011	<0.005					
10/19/2011						<0.005
4/4/2012			<0.005			
4/23/2012					<0.005	
4/25/2012	<0.005	<0.005		<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.005
10/2/2012	<0.005	<0.005				
10/9/2012						<0.005
10/10/2012			<0.005	<0.005	<0.005	
4/2/2013	<0.005	<0.005				
4/11/2013						<0.005
4/15/2013			<0.005		<0.005	
4/16/2013				<0.005		
10/8/2013	<0.005	<0.005				
10/16/2013						<0.005
10/22/2013			<0.005	<0.005	<0.005	
4/1/2014	<0.005	<0.005				
4/21/2014			<0.005	0.005 (J)	<0.005	
4/23/2014						<0.005
9/30/2014			<0.005	0.0025 (J)	<0.005	
10/1/2014	0.0022 (J)	0.0021 (J)				
10/3/2014						<0.005
3/31/2015		<0.005				<0.005
4/1/2015	<0.005					
4/3/2015			<0.005	<0.005	<0.005	
10/6/2015				<0.005		
10/7/2015			<0.005		<0.005	
10/12/2015						<0.005
10/14/2015		<0.005				
10/15/2015	<0.005					
3/28/2016						<0.005
4/4/2016	0.00124 (J)	0.00144 (JD)				
4/5/2016			<0.005	0.00105 (J)	<0.005	
5/25/2016						<0.005
5/31/2016	<0.005			0.00261 (J)	<0.005	
6/1/2016		0.0011 (JD)	<0.005			
8/1/2016						<0.005
8/4/2016	<0.005				<0.005	
8/9/2016			<0.005			
9/27/2016						<0.005
9/29/2016	<0.005				<0.005	
11/11/2016						<0.005
11/23/2016				<0.005	<0.005	
11/28/2016	<0.005		<0.005			
1/31/2017						<0.005
2/9/2017	<0.005		<0.005			
2/10/2017				<0.005	<0.005	
2/22/2017		<0.005				
4/3/2017						<0.005
4/11/2017		0.0011 (JD)	<0.005	0.0007 (J)		
4/12/2017	0.001 (J)				0.0005 (J)	
6/12/2017						0.0006 (J)
6/14/2017			<0.005			
6/15/2017				<0.005	<0.005	
6/16/2017	0.0007 (J)	0.0043 (JD)				
7/12/2017		0.0013 (JD)	<0.005	<0.005		
7/26/2017				<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		0.0013 (J)				
8/10/2017		0.0011 (J)				
10/3/2017						<0.005
10/5/2017			<0.005			
10/6/2017		0.0013 (JD)		0.0009 (J)	0.0008 (J)	
10/9/2017	0.0006 (J)					
3/19/2018						<0.005
3/21/2018	0.0013 (J)					
3/22/2018			0.00096 (J)			
3/23/2018		<0.005		<0.005	<0.005	
9/17/2018						<0.005
9/19/2018	<0.005		<0.005	<0.005	<0.005	
9/20/2018		<0.005				
3/20/2019						<0.005
3/22/2019		0.00097 (J)	<0.005	<0.005		
3/23/2019	0.00067 (J)					
3/25/2019					<0.005	
9/16/2019						<0.005
9/17/2019			<0.005	<0.005	<0.005	
9/18/2019	0.00052 (J)	0.00045 (X)				
3/13/2020	0.00096 (J)		<0.005	0.00052 (J)	0.00047 (J)	
3/16/2020						<0.005
3/17/2020		0.00067 (J)				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

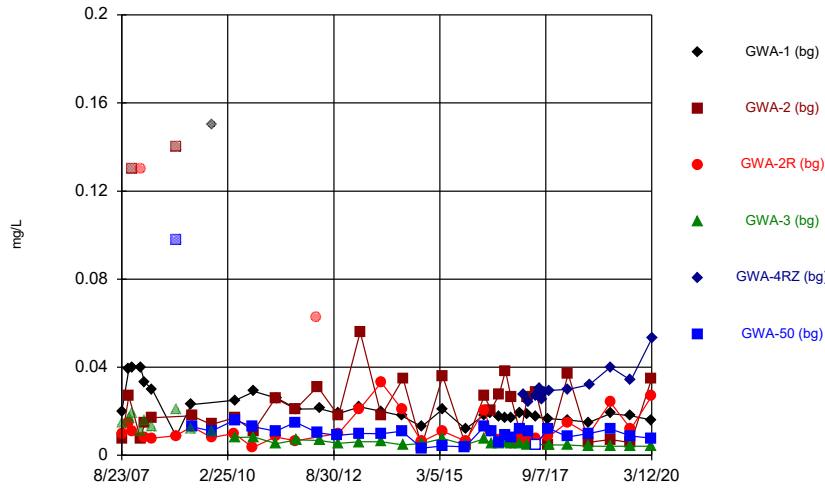
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						0.0086
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						0.0065
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	0.014 (o)					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.0029 (J)	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

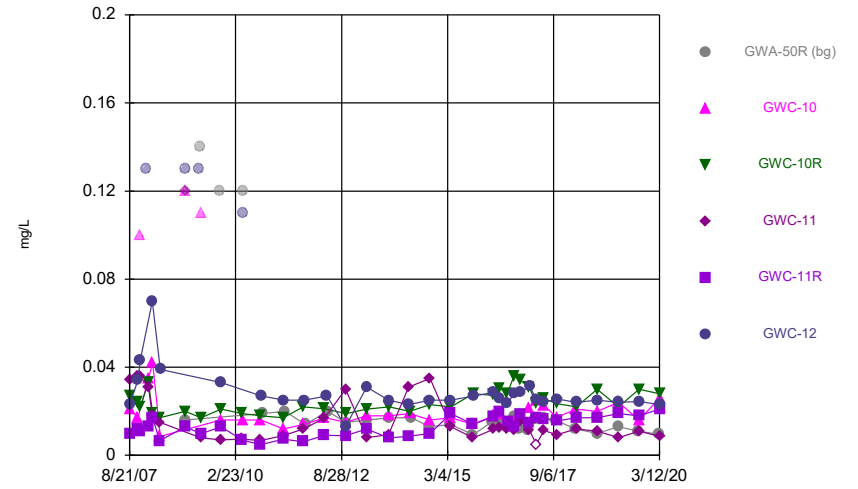
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.0241 (o)
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0031 (J)	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			0.0028 (J)	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0031 (J)		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0031 (J)			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	0.0006 (J)	<0.005	0.003 (J)	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	0.0024 (J)		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			0.0029 (J)			
10/3/2017	<0.005	<0.005	0.0018 (J)		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	0.00089 (J)					
3/20/2018		<0.005	0.0024 (J)		0.0006 (J)	<0.005
3/21/2018				0.00077 (J)		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	0.00077 (J)			<0.005
3/27/2019				<0.005		
5/6/2019					0.00063 (J)	
9/13/2019			0.0017 (J)			
9/16/2019	0.00071 (J)	0.00038 (J)		0.0004 (JD)	0.00043 (J)	0.00044 (J)
3/12/2020	0.00055 (J)	<0.005	0.00044 (J)	0.00039 (J)		<0.005
3/16/2020					<0.005	

Time Series



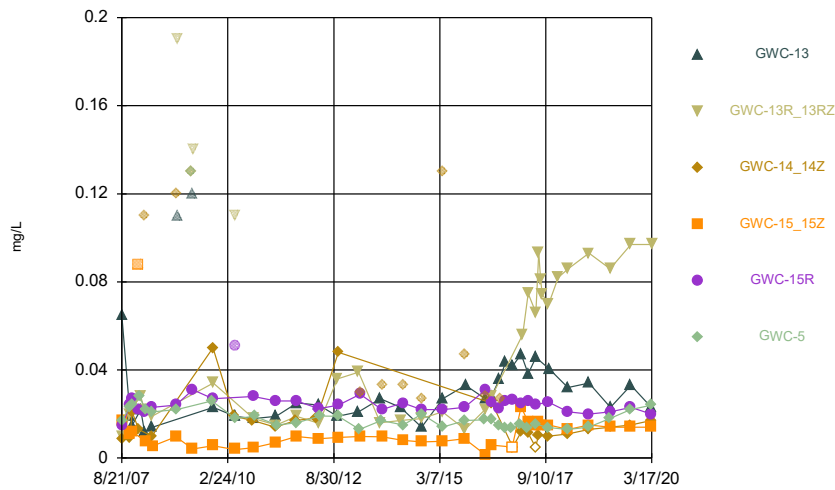
Constituent: Barium Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



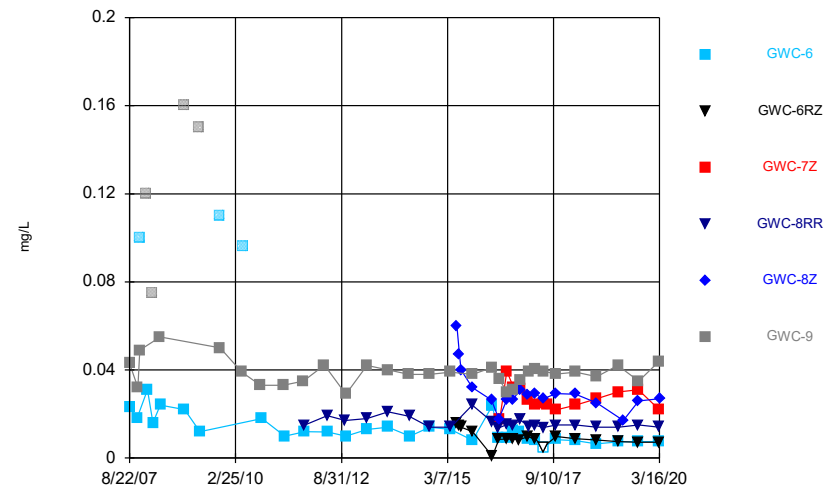
Constituent: Barium Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Barium Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Barium Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	0.02	0.0073	0.0098	0.015 (o)		
10/23/2007	0.039					
10/24/2007		0.027	0.015			
11/2/2007				0.017 (o)		
11/18/2007	0.04 (J)	0.13 (o)	0.011	0.019 (o)		
1/30/2008	0.04					
1/31/2008		0.0077	0.13 (O)	0.011 (o)		
3/10/2008	0.033		0.0078			
3/11/2008		0.015		0.016 (o)		
5/6/2008		0.017				
5/13/2008	0.03		0.0077			
5/14/2008				0.013 (o)		
12/4/2008		0.14 (o)	0.0089			
12/5/2008	0.0087			0.021 (o)		
12/12/2008						0.098 (o)
4/15/2009	0.023			0.012 (o)		
4/21/2009		0.018	0.013			
4/23/2009						0.013
10/6/2009						0.011
10/7/2009	0.15 (o)	0.014				
10/8/2009			0.008	0.011 (o)		
4/21/2010			0.01			
4/26/2010		0.017				
4/27/2010						0.016
4/28/2010				0.0081		
5/3/2010	0.025					
9/28/2010			0.0036			
9/30/2010						0.013
10/4/2010		0.011				
10/6/2010				0.0083		
10/12/2010	0.029					
4/12/2011			0.0084			
4/13/2011		0.026				
4/14/2011						0.011
4/21/2011				0.0053		
4/27/2011	0.026					
10/4/2011			0.0066			
10/5/2011		0.021				0.015
10/13/2011				0.0071		
10/17/2011	0.021					
4/3/2012			0.0625 (O)			
4/11/2012		0.0311				0.0102
5/1/2012				0.0067		
5/2/2012	0.0212					
10/2/2012						0.0091
10/8/2012	0.019					
10/9/2012		0.018	0.01	0.0055		
4/9/2013						0.01
4/11/2013			0.021	0.0061		
4/12/2013	0.022					
4/15/2013		0.056				
10/15/2013		0.018				0.0098

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	0.02		0.033	0.0062		
4/10/2014			0.021			0.011
4/11/2014	0.018					
4/22/2014		0.035				
4/23/2014				0.0047		
9/30/2014	0.013	0.0041	0.0062			
10/1/2014						0.0033
10/4/2014				0.0055		
3/30/2015	0.021	0.036	0.011			0.0043
3/31/2015				0.0076		
10/11/2015						0.0038
10/12/2015				0.0049		
10/13/2015	0.012	0.0048	0.0065			
3/22/2016	0.0182					
3/23/2016		0.0271	0.0206	0.00742 (J)		
3/28/2016						0.0133
5/19/2016	0.0193		0.0109			
5/20/2016		0.0206				
5/23/2016				0.00532 (J)		0.0109
7/29/2016	0.0174	0.0275	0.007 (J)	0.0053 (J)		
8/1/2016						0.0058 (J)
9/22/2016			0.0071 (J)	0.0058 (J)		
9/23/2016	0.0168	0.0384				
9/26/2016						0.0092 (J)
11/9/2016	0.0171	0.0266				
11/10/2016			0.0052 (J)	0.0051 (J)		0.0083 (J)
1/30/2017	0.019					0.0117
1/31/2017		0.0094 (J)	0.0076 (J)	0.0054 (J)		
2/22/2017					0.0273	
3/30/2017	0.0184	0.0262		0.0049 (J)		
4/3/2017			0.007 (J)			
4/7/2017					0.024	0.0109
6/9/2017	0.0174		0.0074 (J)			
6/12/2017		0.0288		<0.01		<0.01
6/14/2017					0.027	
7/12/2017					0.027	
7/20/2017					0.0304	
7/28/2017					0.0269	
8/9/2017					0.0254	
8/24/2017					0.0285	
10/2/2017	0.0167	0.0048 (J)	0.0085 (J)			0.0122
10/3/2017					0.0294	
10/4/2017				0.0047 (J)		
3/16/2018	0.016		0.015			0.0084 (J)
3/19/2018		0.037		0.0047 (J)		
3/21/2018					0.03	
9/14/2018		0.0059 (J)	0.0095 (J)			
9/17/2018	0.015 (D)			0.0041 (J)		0.01
9/18/2018					0.032	
3/19/2019			0.024			0.012
3/20/2019	0.019	0.0072 (J)		0.0042 (J)		
3/21/2019					0.04	

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	0.018	0.0058 (JD)			0.034	
9/13/2019			0.012	0.0042 (J)		0.0088 (J)
3/11/2020	0.016	0.035	0.027	0.0041 (J)		0.0077 (J)
3/12/2020					0.053	

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		0.021	0.027	0.034	0.01	0.023
11/1/2007		0.017	0.024	0.036	0.012	0.034
11/18/2007				0.036	0.011	
11/19/2007						0.043
11/20/2007		0.1 (o)	0.022			
1/16/2008						0.13 (o)
1/30/2008		0.035	0.033 (J)	0.031 (J)	0.013	
3/5/2008				0.018		0.07
3/6/2008		0.042	0.019		0.017	
5/7/2008				0.015	0.0066	
5/8/2008			0.017			
5/12/2008		0.0087				
5/13/2008						0.039
12/12/2008	0.016					
12/13/2008		0.12 (o)				0.13 (o)
12/14/2008			0.02	0.12 (o)	0.013	
4/16/2009						0.13 (o)
4/23/2009	0.14 (O)					
4/29/2009		0.11 (o)	0.017	0.0079	0.0098	
10/6/2009	0.12 (O)					
10/20/2009		0.016				
10/21/2009			0.021			0.033
10/22/2009				0.007	0.013	
4/21/2010			0.019	0.0074	0.0069	
4/26/2010		0.016				
4/27/2010						0.11 (o)
5/3/2010	0.12 (O)					
9/28/2010			0.018	0.0068		
9/29/2010		0.016			0.0049	
10/5/2010						0.027
10/11/2010	0.019					
4/12/2011			0.017	0.0089		
4/13/2011		0.012			0.0074	
4/19/2011						0.025
4/27/2011	0.02					
10/4/2011			0.022	0.012	0.0062	
10/5/2011		0.014				
10/12/2011						0.025
10/19/2011	0.014					
4/3/2012			0.0212	0.0169		
4/4/2012		0.017			0.0091	
4/24/2012						0.027
5/1/2012	0.0199					
10/2/2012	0.015					0.013
10/3/2012		0.015		0.03	0.0089	
10/8/2012			0.019			
4/2/2013						0.031
4/3/2013		0.018	0.021	0.008	0.012	
4/10/2013	0.016					
10/9/2013				0.0093	0.0079	0.025
10/15/2013		0.018	0.022			
10/16/2013	0.017					

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.023
4/2/2014				0.031	0.0086	
4/9/2014		0.019	0.02			
4/22/2014	0.017					
10/1/2014	0.013					
10/2/2014		0.016	0.023	0.035	0.01	0.025
3/30/2015	0.014					
4/1/2015				0.013	0.019	0.025
4/2/2015		0.017	0.022			
10/10/2015		0.014				
10/11/2015	0.0093			0.0079	0.014	
10/12/2015			0.028			
10/14/2015						0.027
3/28/2016	0.0155					
3/31/2016		0.0179	0.0273			
4/4/2016				0.0119	0.0176	0.0285
5/25/2016	0.0143					
5/26/2016		0.0186	0.0305	0.0127	0.0195	
5/27/2016						0.0257
8/1/2016	0.0129					
8/3/2016			0.0284	0.0121		0.0237
8/4/2016					0.0151	
8/5/2016		0.0138				
9/26/2016	0.0177					
9/28/2016		0.0153	0.036	0.0112	0.0132	
9/30/2016						0.0279
11/11/2016	0.0117					
11/22/2016		0.0184 (J)	0.0341 (J)	0.0155 (J)	0.0186 (J)	0.0286 (J)
1/30/2017	0.0113					
2/7/2017		0.0215	0.0309			
2/8/2017				0.0115	0.015	
2/13/2017						0.0313
4/3/2017	0.0166					
4/10/2017		0.0247	0.0235	<0.01	0.0172	
4/11/2017						0.0254
6/12/2017	0.017					
6/14/2017		0.0227	0.0258			0.0241
6/15/2017				0.0112	0.0167	
10/2/2017	0.0157					
10/4/2017		0.0172	0.0234	0.0093 (J)	0.0156	0.0256
3/16/2018	0.012					
3/20/2018		0.021				
3/21/2018			0.022	0.012		
3/22/2018					0.017	0.024
9/18/2018	0.0099 (J)	0.02	0.03	0.011	0.017	0.025
3/19/2019	0.013					
3/22/2019		0.024	0.022			
3/23/2019				0.0081 (J)	0.019	0.024
9/12/2019	0.011					
9/17/2019		0.016	0.03	0.011	0.018	0.0245 (D)
3/11/2020	0.0095 (J)					
3/12/2020		0.026	0.028	0.0086 (J)	0.021	0.023

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	0.065	0.0095				
8/23/2007					0.015	0.017
8/24/2007			0.0089	0.017		
10/25/2007						0.023
11/1/2007	0.019	0.02				
11/2/2007			0.0091	0.011	0.024	
11/17/2007			0.021		0.027	
11/18/2007				0.012 (J)		
11/19/2007	0.015	0.023				0.024
1/15/2008			0.013	0.088 (o)	0.022	
1/23/2008						0.028
1/31/2008	0.022	0.028				
3/5/2008	0.012	0.022	0.11 (o)			
3/6/2008					0.021	
3/10/2008				0.0077		
3/11/2008						0.022
5/7/2008		0.019	0.01		0.023	
5/12/2008	0.014					0.021
5/13/2008				0.0055		
12/2/2008			0.12 (o)	0.0097	0.024	
12/11/2008						0.022
12/12/2008		0.19 (O)				
12/13/2008	0.11 (o)					
4/15/2009						0.13 (o)
4/16/2009			0.13 (o)			
4/28/2009	0.12 (o)			0.0042	0.031	
4/29/2009		0.14 (O)				
10/9/2009						0.026
10/19/2009					0.027	
10/20/2009			0.05	0.0056		
10/21/2009	0.023	0.034				
4/20/2010			0.019			
4/27/2010				0.0039	0.051 (o)	
4/28/2010	0.019	0.11 (O)				
5/4/2010						0.018
9/29/2010			0.017			
10/4/2010					0.028	
10/5/2010	0.018			0.0047		
10/6/2010		0.018				
10/12/2010						0.019
4/12/2011			0.014			
4/18/2011					0.026	
4/19/2011	0.019			0.0071		
4/20/2011		0.015				
4/28/2011						0.015
10/4/2011			0.017			
10/12/2011		0.019		0.0098	0.026	
10/18/2011	0.025					
10/19/2011						0.016
4/4/2012			0.0182			
4/23/2012					0.0224	
4/25/2012	0.024	0.0158		0.0088		

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						0.0191
10/2/2012	0.019	0.036				
10/9/2012						0.019
10/10/2012			0.048	0.0093	0.024	
4/2/2013	0.021	0.039				
4/11/2013						0.013
4/15/2013			0.03 (o)		0.029	
4/16/2013				0.0098		
10/8/2013	0.027	0.016				
10/16/2013						0.017
10/22/2013			0.033 (o)	0.0097	0.022	
4/1/2014	0.023	0.017				
4/21/2014			0.033 (o)	0.008	0.025	
4/23/2014						0.015
9/30/2014			0.027 (o)	0.0074	0.022	
10/1/2014	0.014	0.018				
10/3/2014						0.02
3/31/2015		0.021				0.014
4/1/2015	0.027					
4/3/2015			0.13 (o)	0.0076	0.022	
10/6/2015				0.0088		
10/7/2015			0.047 (o)		0.023	
10/12/2015						0.017
10/14/2015		0.013				
10/15/2015	0.033					
3/28/2016						0.0173
4/4/2016	0.027	0.0222				
4/5/2016			0.0279 (o)	0.00153 (J)	0.0308	
5/25/2016						0.0175
5/31/2016	0.0283			0.00589 (J)	0.0255	
6/1/2016		0.0283	0.0249			
8/1/2016						0.0145
8/4/2016	0.0358				0.0227	
8/9/2016			0.0268 (o)			
9/27/2016						0.0139
9/29/2016	0.0437				0.0258	
11/11/2016						0.0135
11/23/2016				<0.01	0.0263 (J)	
11/28/2016	0.0419 (J)		<0.01			
1/31/2017						0.0153
2/9/2017	0.0472		0.0119			
2/10/2017				0.0233	0.025	
2/22/2017		0.0561				
4/3/2017						0.0135
4/11/2017		0.0748	0.0112 (D)	0.0162		
4/12/2017	0.0383				0.026	
6/12/2017						0.0154
6/14/2017			<0.01			
6/15/2017				0.0148	0.0244	
6/16/2017	0.0457	0.0661				
7/12/2017		0.0932	0.0105	0.0166		
7/26/2017				0.0146		

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		0.0808				
8/10/2017		0.0743				
10/3/2017						0.0138
10/5/2017			0.0099 (J)			
10/6/2017		0.0699		0.015	0.0254	
10/9/2017	0.0406					
12/28/2017		0.082 (Y)				
3/19/2018						0.013
3/21/2018	0.032					
3/22/2018			0.011			
3/23/2018		0.086		0.013	0.021	
9/17/2018						0.014
9/19/2018	0.034		0.013	0.015	0.02	
9/20/2018		0.093				
3/20/2019						0.018
3/22/2019		0.086	0.014	0.014		
3/23/2019	0.023					
3/25/2019					0.021	
9/16/2019						0.022
9/17/2019			0.015	0.014	0.023	
9/18/2019	0.033	0.097				
3/13/2020	0.023		0.017	0.014	0.02	
3/16/2020						0.024
3/17/2020		0.097				

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

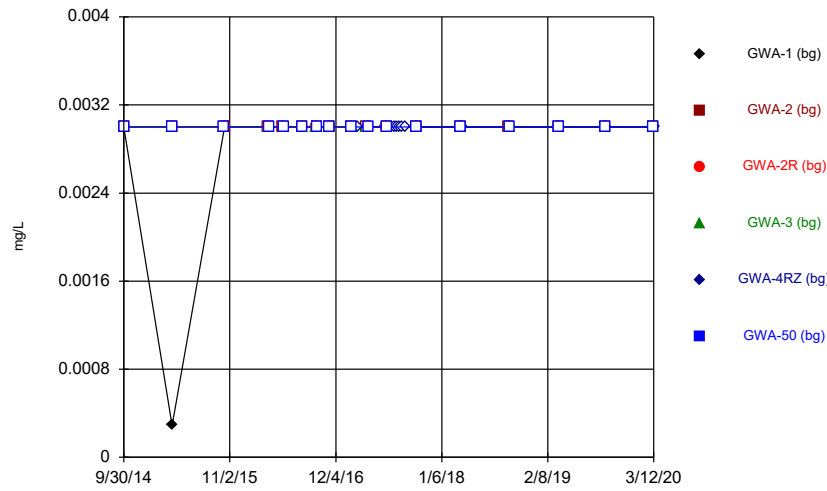
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.023					
8/23/2007						0.043
10/25/2007	0.018					
11/1/2007						0.032
11/19/2007						0.049 (J)
11/20/2007	0.1 (o)					
1/15/2008						0.12 (o)
1/23/2008	0.031					
3/6/2008						0.075 (o)
3/11/2008	0.016					
5/13/2008						0.055
5/14/2008	0.024					
12/11/2008	0.022					
12/12/2008						0.16 (o)
4/16/2009						0.15 (o)
4/23/2009	0.012					
10/9/2009	0.11 (o)					
10/13/2009						0.05
4/21/2010						0.039
5/4/2010	0.096 (o)					
9/29/2010						0.033
10/11/2010	0.018					
4/13/2011						0.033
4/26/2011	0.01					
10/5/2011						0.035
10/18/2011	0.012			0.015		
4/4/2012						0.0422
4/30/2012				0.0192		
5/2/2012	0.0119					
10/3/2012				0.017		
10/8/2012	0.01					0.029
4/8/2013				0.018		0.042
4/10/2013	0.013					
10/8/2013	0.014					
10/9/2013				0.021		0.04
4/9/2014						0.038
4/10/2014				0.019		
4/14/2014	0.01					
9/30/2014						0.038
10/2/2014				0.014		
10/3/2014	0.014					
4/1/2015	0.013					
4/2/2015						0.039
4/3/2015				0.014		
5/26/2015		0.016			0.06	
6/18/2015		0.015 (D)			0.047 (D)	
7/2/2015		0.014			0.04	
10/8/2015				0.024	0.032	
10/9/2015	0.008	0.012				
10/10/2015						0.038 (D)
3/22/2016					0.0263	
3/29/2016	0.0239 (J)	0.000768 (J)				

Time Series

Constituent: Barium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

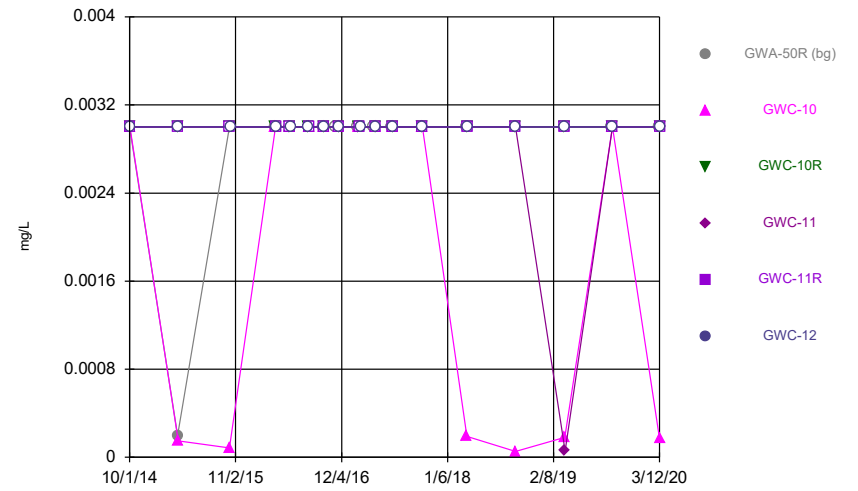
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.0163		0.0412
5/24/2016	0.00902 (J)	0.00847 (J)		0.0137		
5/25/2016					0.0178	
5/26/2016						0.0357
5/31/2016			0.0178			
8/1/2016	0.0091 (J)	0.0086 (J)				
8/2/2016			0.0394	0.0152	0.0265	
8/5/2016						0.03
9/26/2016	0.0124	0.0086 (J)			0.0267	
9/27/2016			0.032	0.0147		
9/28/2016						0.0308
11/14/2016		0.0083 (J)				
11/18/2016	0.0117					
11/21/2016			0.0316 (J)		0.0309 (J)	0.0356 (J)
11/22/2016				0.0174 (J)		
2/1/2017	0.0086 (J)	0.0096 (J)	0.0264			
2/3/2017					0.0289	
2/6/2017				0.0144		0.0391
4/6/2017	0.0083 (J)	0.0087 (J)	0.0245	0.0149		0.0402
4/7/2017					0.029	
6/13/2017	<0.01	<0.01	0.0247		0.027	0.0394
6/14/2017				0.0139		
7/14/2017			0.0245			
10/3/2017	0.0084 (J)	0.0098 (J)	0.0218		0.0292	0.0381
10/4/2017				0.015		
3/19/2018	0.0079 (J)					
3/20/2018		0.0088 (J)	0.024		0.029	0.039
3/21/2018				0.015		
9/17/2018	0.0065 (J)	0.0082 (J)				
9/18/2018			0.027	0.014	0.025	0.037
3/21/2019	0.0074 (J)	0.0075 (J)	0.03			0.042
3/27/2019				0.014		
5/6/2019					0.017	
9/13/2019			0.031			
9/16/2019	0.0075 (J)	0.0072 (J)		0.015 (D)	0.026	0.035
3/12/2020	0.0075 (J)	0.0072 (J)	0.022	0.014		0.044
3/16/2020					0.027	

Time Series



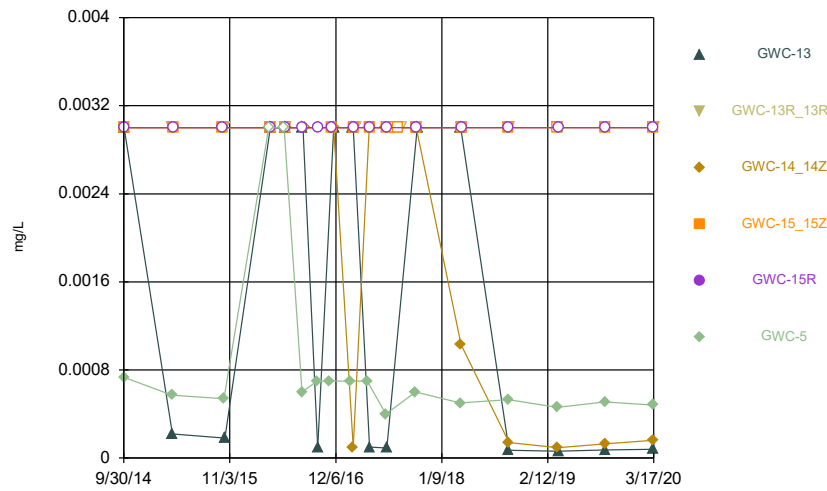
Constituent: Beryllium Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



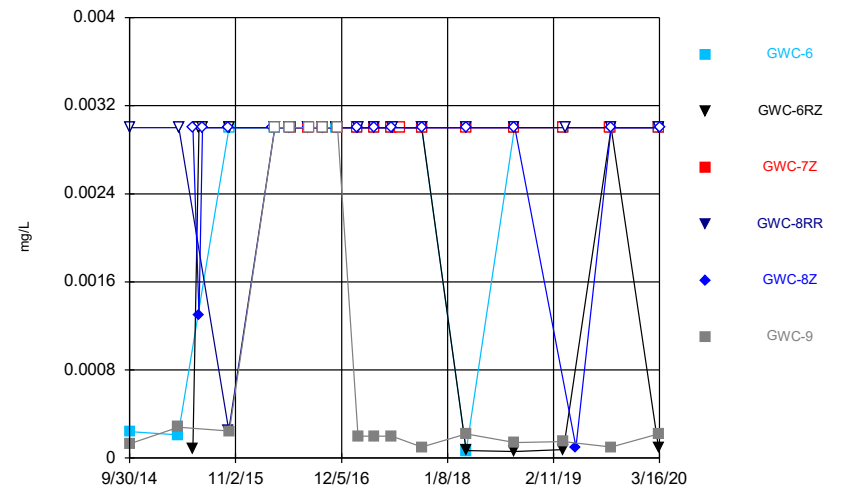
Constituent: Beryllium Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Beryllium Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Beryllium Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/30/2014	<0.003	<0.003	<0.003			
10/1/2014						<0.003
10/4/2014				<0.003		
3/30/2015	0.00029 (J)	<0.003	<0.003			<0.003
3/31/2015				<0.003		
10/11/2015						<0.003
10/12/2015				<0.003		
10/13/2015	<0.003	<0.003	<0.003			
3/22/2016	<0.003					
3/23/2016		<0.003	<0.003	<0.003		
3/28/2016						<0.003
5/19/2016	<0.003		<0.003			
5/20/2016		<0.003				
5/23/2016				<0.003		<0.003
7/29/2016	<0.003	<0.003	<0.003	<0.003		
8/1/2016						<0.003
9/22/2016			<0.003	<0.003		
9/23/2016	<0.003	<0.003				
9/26/2016						<0.003
11/9/2016	<0.003	<0.003				
11/10/2016			<0.003	<0.003		<0.003
1/30/2017	<0.003					<0.003
1/31/2017		<0.003	<0.003	<0.003		
2/22/2017					<0.003	
3/30/2017	<0.003	<0.003		<0.003		
4/3/2017			<0.003			
4/7/2017					<0.003	<0.003
6/9/2017	<0.003		<0.003			
6/12/2017		<0.003		<0.003		<0.003
6/14/2017					<0.003	
7/12/2017					<0.003	
7/20/2017					<0.003	
7/28/2017					<0.003	
8/9/2017					<0.003	
8/24/2017					<0.003	
10/2/2017	<0.003	<0.003	<0.003			<0.003
10/3/2017					<0.003	
10/4/2017				<0.003		
3/16/2018	<0.003		<0.003			<0.003
3/19/2018		<0.003		<0.003		
3/21/2018					<0.003	
9/14/2018		<0.003	<0.003			
9/17/2018	<0.003 (D)			<0.003		<0.003
9/18/2018					<0.003	
3/19/2019			<0.003			<0.003
3/20/2019	<0.003	<0.003		<0.003		
3/21/2019					<0.003	
9/12/2019	<0.003	<0.003 (D)			<0.003	
9/13/2019			<0.003	<0.003		<0.003
3/11/2020	<0.003	<0.003	<0.003	<0.003		<0.003
3/12/2020					<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
10/1/2014	<0.003					
10/2/2014		<0.003	<0.003	<0.003	<0.003	<0.003
3/30/2015	0.0002 (J)					
4/1/2015				<0.003	<0.003	<0.003
4/2/2015		0.00015 (J)	<0.003			
10/10/2015		8.5E-05 (J)				
10/11/2015	<0.003			<0.003	<0.003	
10/12/2015			<0.003			
10/14/2015						<0.003
3/28/2016	<0.003					
3/31/2016		<0.003	<0.003			
4/4/2016				<0.003	<0.003	<0.003
5/25/2016	<0.003					
5/26/2016		<0.003	<0.003	<0.003	<0.003	
5/27/2016						<0.003
8/1/2016	<0.003					
8/3/2016			<0.003	<0.003		<0.003
8/4/2016					<0.003	
8/5/2016		<0.003				
9/26/2016	<0.003					
9/28/2016		<0.003	<0.003	<0.003	<0.003	
9/30/2016						<0.003
11/11/2016	<0.003					
11/22/2016		<0.003	<0.003	<0.003	<0.003	<0.003
1/30/2017	<0.003					
2/7/2017		<0.003	<0.003			
2/8/2017				<0.003	<0.003	
2/13/2017						<0.003
4/3/2017	<0.003					
4/10/2017		<0.003	<0.003	<0.003	<0.003	
4/11/2017						<0.003
6/12/2017	<0.003					
6/14/2017		<0.003	<0.003			<0.003
6/15/2017				<0.003	<0.003	
10/2/2017	<0.003					
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003
3/16/2018	<0.003					
3/20/2018		0.00019 (J)				
3/21/2018			<0.003	<0.003		
3/22/2018					<0.003	<0.003
9/18/2018	<0.003	5.4E-05 (J)	<0.003	<0.003	<0.003	<0.003
3/19/2019	<0.003					
3/22/2019		0.00018 (J)	<0.003			
3/23/2019				5.7E-05 (J)	<0.003	<0.003
9/12/2019	<0.003					
9/17/2019		<0.003	<0.003	<0.003	<0.003	<0.003 (D)
3/11/2020	<0.003					
3/12/2020		0.00017 (J)	<0.003	<0.003	<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
9/30/2014			<0.003	<0.003	<0.003	
10/1/2014	<0.003	<0.003				
10/3/2014						0.00073 (J)
3/31/2015		<0.003				0.00057 (J)
4/1/2015	0.00022 (J)					
4/3/2015			<0.003	<0.003	<0.003	
10/6/2015				<0.003		
10/7/2015			<0.003		<0.003	
10/12/2015						0.00054 (J)
10/14/2015		<0.003				
10/15/2015	0.00018 (J)					
3/28/2016						<0.003
4/4/2016	<0.003	<0.003 (D)				
4/5/2016			<0.003	<0.003	<0.003	
5/25/2016						<0.003
5/31/2016	<0.003			<0.003	<0.003	
6/1/2016		<0.003 (D)	<0.003			
8/1/2016						0.0006 (J)
8/4/2016	<0.003				<0.003	
8/9/2016			<0.003			
9/27/2016						0.0007 (J)
9/29/2016	9E-05 (J)				<0.003	
11/11/2016						0.0007 (J)
11/23/2016				<0.003	<0.003	
11/28/2016	<0.003		<0.003			
1/31/2017						0.0007 (J)
2/9/2017	<0.003		0.0001 (J)			
2/10/2017				<0.003	<0.003	
2/22/2017		<0.003				
4/3/2017						0.0007 (J)
4/11/2017		<0.003	<0.003	<0.003		
4/12/2017	0.0001 (J)				<0.003	
6/12/2017						0.0004 (J)
6/14/2017			<0.003			
6/15/2017				<0.003	<0.003	
6/16/2017	9E-05 (J)	<0.003				
7/12/2017		<0.003	<0.003	<0.003		
7/26/2017				<0.003		
7/28/2017		<0.003				
8/10/2017		<0.003				
10/3/2017						0.0006 (J)
10/5/2017			<0.003			
10/6/2017		<0.003		<0.003	<0.003	
10/9/2017	<0.003					
3/19/2018						0.0005 (J)
3/21/2018	<0.003					
3/22/2018			0.00103 (D)			
3/23/2018		<0.003		<0.003	<0.003	
9/17/2018						0.00053 (J)
9/19/2018	7E-05 (J)		0.00014 (J)	<0.003	<0.003	
9/20/2018		<0.003				
3/20/2019						0.00046 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

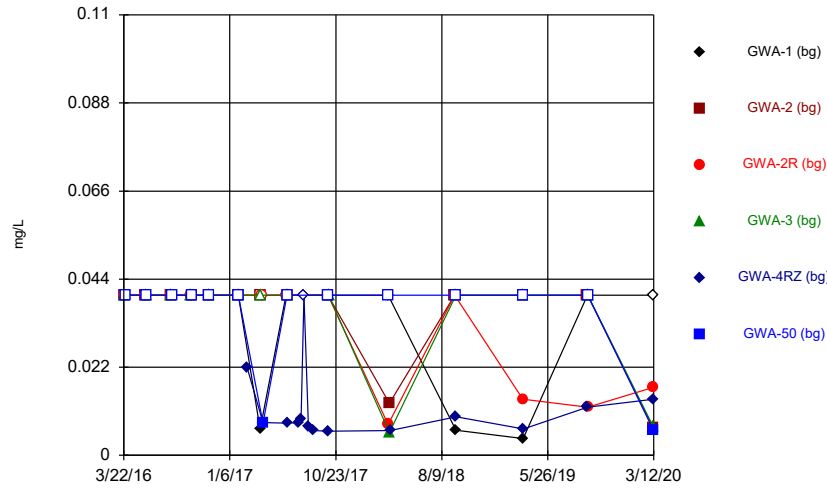
	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/22/2019		<0.003	9.4E-05 (J)	<0.003		
3/23/2019	6.1E-05 (J)					
3/25/2019					<0.003	
9/16/2019						0.00051 (J)
9/17/2019			0.00013 (X)	<0.003	<0.003	
9/18/2019	7.4E-05 (J)	<0.003				
3/13/2020	8E-05 (J)		0.00016 (J)	<0.003	<0.003	
3/16/2020						0.00048 (J)
3/17/2020		<0.003				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

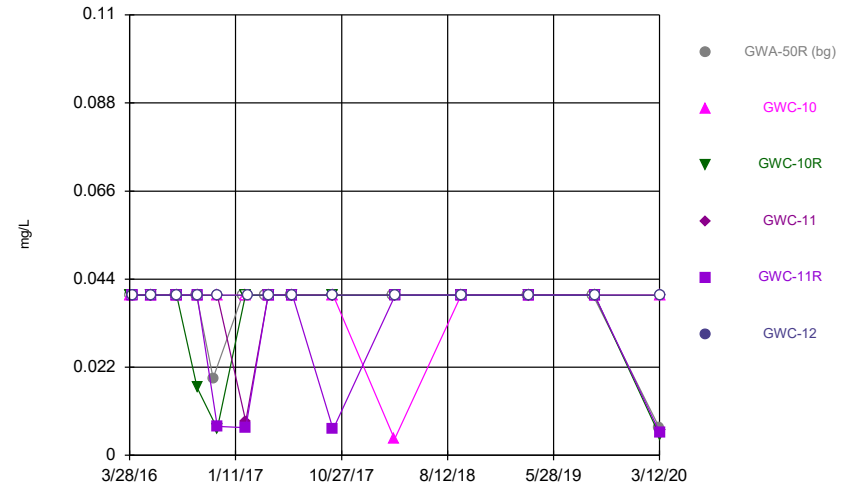
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/30/2014						0.00013 (J)
10/2/2014				<0.003		
10/3/2014	0.00024 (J)					
4/1/2015	0.00021 (J)					
4/2/2015						0.00028 (J)
4/3/2015				<0.003		
5/26/2015		8.8E-05 (J)			<0.003	
6/18/2015		<0.003 (D)			0.0013 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				0.00025 (J)	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						0.000245 (JD)
3/22/2016					<0.003	
3/29/2016	<0.003	<0.003				
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				<0.003		0.0002 (J)
4/6/2017	<0.003	<0.003	<0.003	<0.003		0.0002 (J)
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	0.0002 (J)
6/14/2017				<0.003		
7/14/2017			<0.003			
10/3/2017	<0.003	<0.003	<0.003		<0.003	0.0001 (J)
10/4/2017				<0.003		
3/19/2018	6.6E-05 (J)					
3/20/2018		6.8E-05 (J)	<0.003		<0.003	0.00022 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	5.8E-05 (J)				
9/18/2018			<0.003	<0.003	<0.003	0.00014 (JD)
3/21/2019	<0.003	7.6E-05 (J)	<0.003			0.00015 (J)
3/27/2019				<0.003		
5/6/2019					0.0001 (J)	
9/13/2019			<0.003			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	0.0001 (J)
3/12/2020	<0.003	9.3E-05 (J)	<0.003	<0.003		0.00022 (J)
3/16/2020					<0.003	

Time Series



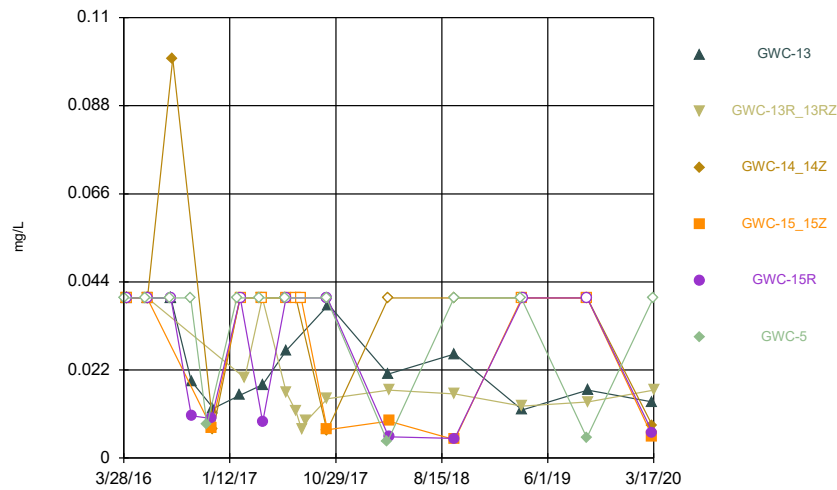
Constituent: Boron Analysis Run 4/7/2020 9:53 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



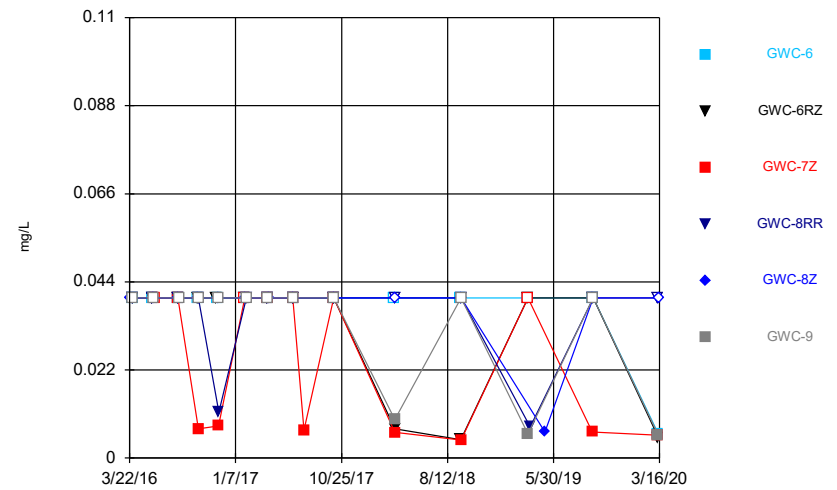
Constituent: Boron Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Boron Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Boron Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Boron (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	<0.04					
3/23/2016		<0.04	<0.04	<0.04		
3/28/2016						<0.04
5/19/2016	<0.04		<0.04			
5/20/2016		<0.04				
5/23/2016				<0.04		<0.04
7/29/2016	<0.04	<0.04	<0.04	<0.04		
8/1/2016						<0.04
9/22/2016			<0.04	<0.04		
9/23/2016	<0.04	<0.04				
9/26/2016						<0.04
11/9/2016	<0.04	<0.04				
11/10/2016			<0.04	<0.04		<0.04
1/30/2017	<0.04					<0.04
1/31/2017		<0.04	<0.04	<0.04		
2/22/2017					0.022 (J)	
3/30/2017	0.0065 (J)	<0.04		<0.04		
4/3/2017			<0.04			
4/7/2017					0.0082 (J)	0.008 (J)
6/9/2017	<0.04		<0.04			
6/12/2017		<0.04		<0.04		<0.04
6/14/2017					0.008 (J)	
7/12/2017					0.0082 (J)	
7/20/2017					0.0091 (J)	
7/28/2017					<0.04	
8/9/2017					0.0071 (J)	
8/24/2017					0.0062 (J)	
10/2/2017	<0.04	<0.04	<0.04			<0.04
10/3/2017					0.006 (J)	
10/4/2017				<0.04		
3/16/2018	<0.04		0.0077 (J)			<0.04
3/19/2018		0.013 (J)		0.0057 (J)		
3/21/2018					0.0062 (J)	
9/14/2018		<0.04	<0.04			
9/17/2018	0.00625 (JD)			<0.04		<0.04
9/18/2018					0.0096 (J)	
3/19/2019			0.014 (J)			<0.04
3/20/2019	0.0042 (J)	<0.04		<0.04		
3/21/2019					0.0066 (J)	
9/12/2019	<0.04	<0.04 (D)			0.012 (J)	
9/13/2019			0.012 (J)	<0.04		<0.04
3/11/2020	<0.04	0.0068 (J)	0.017 (J)	0.0071 (J)		0.0063 (J)
3/12/2020					0.014 (J)	

Time Series

Constituent: Boron (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	<0.04					
3/31/2016		<0.04	<0.04			
4/4/2016				<0.04	<0.04	<0.04
5/25/2016	<0.04					
5/26/2016		<0.04	<0.04	<0.04	<0.04	
5/27/2016						<0.04
8/1/2016	<0.04					
8/3/2016			<0.04	<0.04		<0.04
8/4/2016					<0.04	
8/5/2016		<0.04				
9/26/2016	<0.04					
9/28/2016		<0.04	0.0169 (J)	<0.04	<0.04	
9/30/2016						<0.04
11/11/2016	0.0193 (J)					
11/22/2016		<0.04	0.0067 (J)	<0.04	0.0072 (J)	<0.04
1/30/2017	<0.04					
2/7/2017		<0.04	<0.04			
2/8/2017				0.0085 (J)	0.0069 (J)	
2/13/2017						<0.04
4/3/2017	<0.04					
4/10/2017		<0.04	<0.04	<0.04	<0.04	
4/11/2017						<0.04
6/12/2017	<0.04					
6/14/2017		<0.04	<0.04			<0.04
6/15/2017				<0.04	<0.04	
10/2/2017	<0.04					
10/4/2017		<0.04	<0.04	<0.04	0.0065 (J)	<0.04
3/16/2018	<0.04					
3/20/2018		0.004 (J)				
3/21/2018			<0.04	<0.04		
3/22/2018					<0.04	<0.04
9/18/2018	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
3/19/2019	<0.04					
3/22/2019		<0.04	<0.04			
3/23/2019				<0.04	<0.04	<0.04
9/12/2019	<0.04					
9/17/2019		<0.04	<0.04	<0.04	<0.04	<0.04 (D)
3/11/2020	0.007 (J)					
3/12/2020		<0.04	0.005 (J)	<0.04	0.0058 (J)	<0.04

Time Series

Constituent: Boron (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

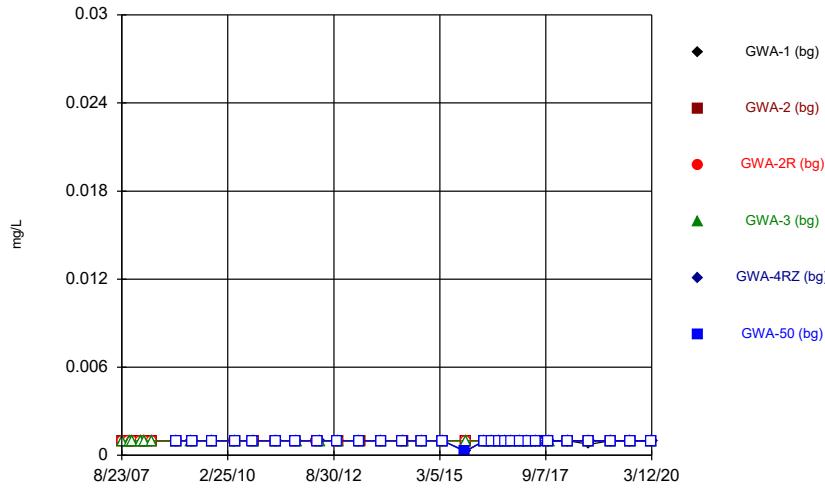
	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/28/2016						<0.04
4/4/2016	<0.04	<0.04				
4/5/2016			<0.04	<0.04	<0.04	
5/25/2016						<0.04
5/31/2016	<0.04			<0.04	<0.04	
6/1/2016		<0.04	<0.04			
8/1/2016						<0.04
8/4/2016	<0.04				<0.04	
8/9/2016			0.0998 (D)			
9/27/2016						<0.04
9/29/2016	0.0192 (J)				0.0106 (J)	
11/11/2016						0.0083 (J)
11/23/2016				0.0076 (J)	0.0099 (J)	
11/28/2016	0.0124 (J)		0.0072 (J)			
1/31/2017						<0.04
2/9/2017	0.0157 (J)		<0.04			
2/10/2017				<0.04	<0.04	
2/22/2017		0.02 (J)				
4/3/2017						<0.04
4/11/2017		<0.04	<0.04	<0.04		
4/12/2017	0.0183 (J)				0.009 (J)	
6/12/2017						<0.04
6/14/2017			<0.04			
6/15/2017				<0.04	<0.04	
6/16/2017	0.0269 (J)	0.0163 (J)				
7/12/2017		0.0117 (J)	<0.04	<0.04		
7/26/2017				<0.04		
7/28/2017		0.0071 (J)				
8/10/2017		0.0093 (J)				
10/3/2017						<0.04
10/5/2017			0.0068 (J)			
10/6/2017		0.0148 (J)		0.0071 (J)	<0.04	
10/9/2017	0.0383 (J)					
3/19/2018						0.0041 (J)
3/21/2018	0.021 (J)					
3/22/2018			<0.04			
3/23/2018		0.017 (J)		0.0092 (J)	0.0053 (J)	
9/17/2018						<0.04
9/19/2018	0.026 (J)		<0.04	0.0046 (J)	0.0049 (J)	
9/20/2018		0.016 (J)				
3/20/2019						<0.04
3/22/2019		0.013 (J)	<0.04	<0.04		
3/23/2019	0.012 (J)					
3/25/2019					<0.04	
9/16/2019						0.0051 (J)
9/17/2019			<0.04	<0.04	<0.04	
9/18/2019	0.017 (J)	0.014 (X)				
3/13/2020	0.014 (J)		0.0081 (J)	0.0054 (J)	0.0064 (J)	
3/16/2020						<0.04
3/17/2020		0.017 (J)				

Time Series

Constituent: Boron (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

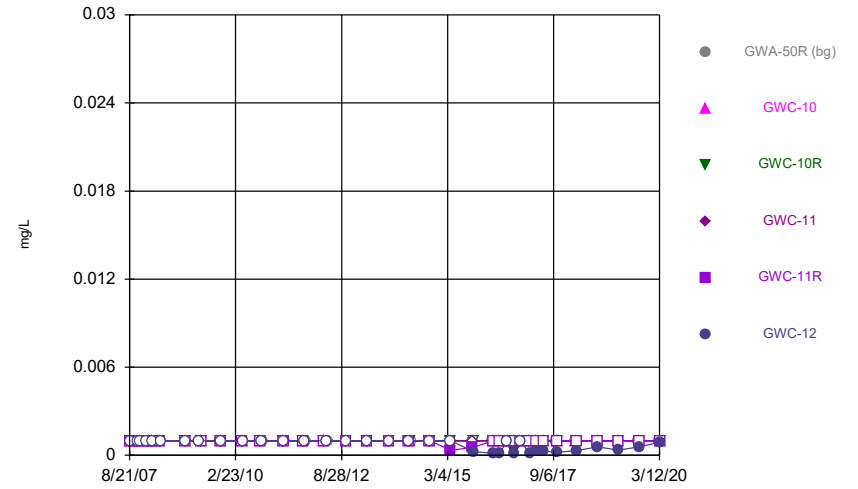
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.04	
3/29/2016	<0.04	<0.04				
3/30/2016				<0.04		<0.04
5/24/2016	<0.04	<0.04		<0.04		
5/25/2016					<0.04	
5/26/2016						<0.04
5/31/2016			<0.04			
8/1/2016	<0.04	<0.04				
8/2/2016			<0.04	<0.04	<0.04	
8/5/2016						<0.04
9/26/2016	<0.04	<0.04			<0.04	
9/27/2016			0.0073 (J)	<0.04		
9/28/2016						<0.04
11/14/2016		<0.04				
11/18/2016	<0.04					
11/21/2016			0.008 (J)		<0.04	<0.04
11/22/2016				0.0115 (J)		
2/1/2017	<0.04	<0.04	<0.04			
2/3/2017					<0.04	
2/6/2017				<0.04		<0.04
4/6/2017	<0.04	<0.04	<0.04	<0.04		<0.04
4/7/2017					<0.04	
6/13/2017	<0.04	<0.04	<0.04		<0.04	<0.04
6/14/2017				<0.04		
7/14/2017			0.007 (J)			
10/3/2017	<0.04	<0.04	<0.04		<0.04	<0.04
10/4/2017				<0.04		
3/19/2018	<0.04					
3/20/2018		0.0073 (J)	0.0064 (J)		<0.04	0.0096 (J)
3/21/2018				<0.04		
9/17/2018	<0.04	0.0046 (J)				
9/18/2018			0.0045 (J)	<0.04	<0.04	<0.04 (D)
3/21/2019	<0.04	<0.04	<0.04			0.006 (J)
3/27/2019				0.0078 (J)		
5/6/2019					0.0065 (J)	
9/13/2019			0.0065 (J)			
9/16/2019	<0.04	<0.04		<0.04 (D)	<0.04	<0.04
3/12/2020	0.0061 (J)	0.0052 (J)	0.0057 (J)	<0.04		0.0058 (J)
3/16/2020					<0.04	

Time Series



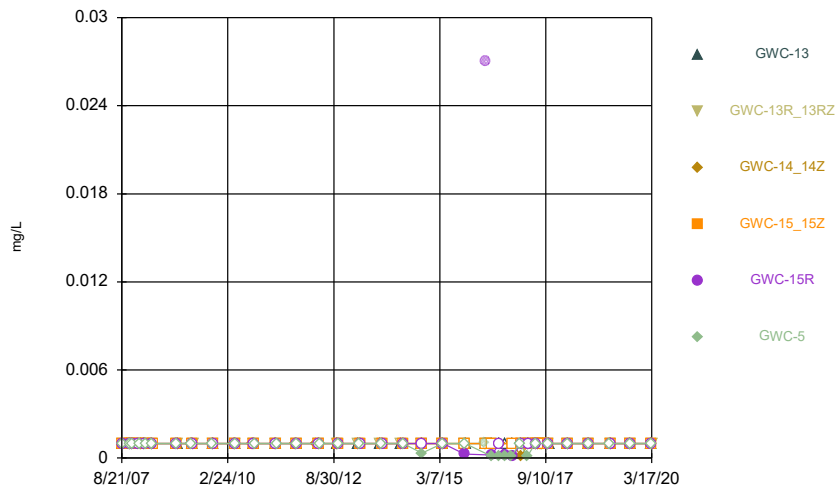
Constituent: Cadmium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



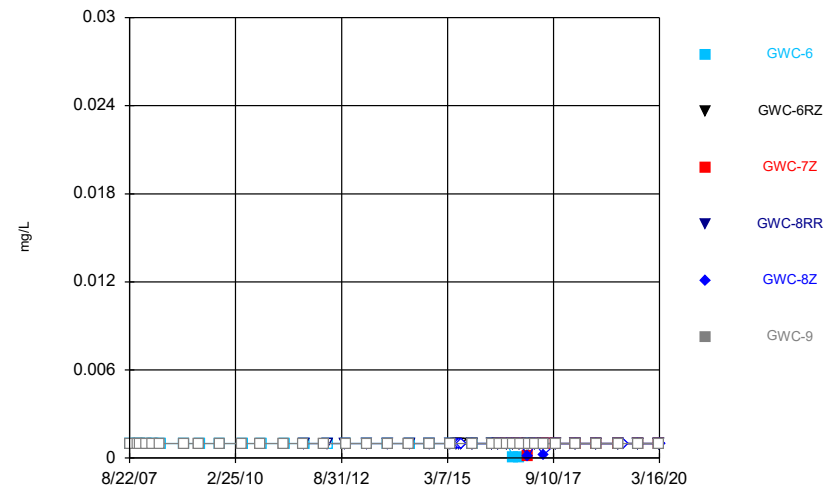
Constituent: Cadmium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Cadmium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Cadmium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.001	<0.001	<0.001	<0.001		
10/23/2007	<0.001					
10/24/2007		<0.001	<0.001			
11/2/2007				<0.001		
11/18/2007	<0.001	<0.001	<0.001	<0.001		
1/30/2008	<0.001					
1/31/2008		<0.001	<0.001	<0.001		
3/10/2008	<0.001		<0.001			
3/11/2008		<0.001		<0.001		
5/6/2008		<0.001				
5/13/2008	<0.001		<0.001			
5/14/2008				<0.001		
12/4/2008		<0.001	<0.001			
12/5/2008	<0.001			<0.001		
12/12/2008						<0.001
4/15/2009	<0.001			<0.001		
4/21/2009		<0.001	<0.001			
4/23/2009						<0.001
10/6/2009						<0.001
10/7/2009	<0.001	<0.001				
10/8/2009			<0.001	<0.001		
4/21/2010			<0.001			
4/26/2010		<0.001				
4/27/2010						<0.001
4/28/2010				<0.001		
5/3/2010	<0.001					
9/28/2010			<0.001			
9/30/2010						<0.001
10/4/2010		<0.001				
10/6/2010				<0.001		
10/12/2010	<0.001					
4/12/2011			<0.001			
4/13/2011		<0.001				
4/14/2011						<0.001
4/21/2011				<0.001		
4/27/2011	<0.001					
10/4/2011			<0.001			
10/5/2011		<0.001				<0.001
10/13/2011				<0.001		
10/17/2011	<0.001					
4/3/2012			<0.001			
4/11/2012		<0.001				<0.001
5/1/2012				<0.001		
5/2/2012	<0.001					
10/2/2012						<0.001
10/8/2012	<0.001					
10/9/2012		<0.001	<0.001	<0.001		
4/9/2013						<0.001
4/11/2013			<0.001	<0.001		
4/12/2013	<0.001					
4/15/2013		<0.001				
10/15/2013		<0.001				<0.001

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.001		<0.001	<0.001		
4/10/2014			<0.001			<0.001
4/11/2014	<0.001					
4/22/2014		<0.001				
4/23/2014				<0.001		
9/30/2014	<0.001	<0.001	<0.001			
10/1/2014						<0.001
10/4/2014				<0.001		
3/30/2015	<0.001	<0.001	<0.001			<0.001
3/31/2015				<0.001		
10/11/2015						0.00026 (J)
10/12/2015				<0.001		
10/13/2015	0.0003 (J)	<0.001	<0.001			
3/22/2016	<0.001					
3/23/2016		<0.001	<0.001	<0.001		
3/28/2016						<0.001
5/19/2016	<0.001		<0.001			
5/20/2016		<0.001				
5/23/2016				<0.001		<0.001
7/29/2016	<0.001	<0.001	<0.001	<0.001		
8/1/2016						<0.001
9/22/2016			<0.001	<0.001		
9/23/2016	<0.001	<0.001				
9/26/2016						<0.001
11/9/2016	<0.001	<0.001				
11/10/2016			<0.001	<0.001		<0.001
1/30/2017	<0.001					<0.001
1/31/2017		<0.001	<0.001	<0.001		
2/22/2017					<0.001	
3/30/2017	<0.001	<0.001		<0.001		
4/3/2017			<0.001			
4/7/2017					<0.001	<0.001
6/9/2017	<0.001		<0.001			
6/12/2017		<0.001		<0.001		<0.001
6/14/2017					<0.001	
7/12/2017					<0.001	
7/20/2017					<0.001	
7/28/2017					<0.001	
8/9/2017					<0.001	
8/24/2017					<0.001	
10/2/2017	<0.001	<0.001	<0.001			<0.001
10/3/2017					<0.001	
10/4/2017				<0.001		
3/16/2018	<0.001		<0.001			<0.001
3/19/2018		<0.001		<0.001		
3/21/2018					<0.001	
9/14/2018		<0.001	<0.001			
9/17/2018	0.00076 (D)			<0.001		<0.001
9/18/2018					<0.001	
3/19/2019			<0.001			<0.001
3/20/2019	<0.001	<0.001		<0.001		
3/21/2019					<0.001	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.001	<0.001 (D)			<0.001	
9/13/2019			<0.001	<0.001		<0.001
3/11/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/12/2020					<0.001	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2007		<0.001	<0.001	<0.001	<0.001	<0.001
11/18/2007				<0.001	<0.001	
11/19/2007						<0.001
11/20/2007		<0.001	<0.001			
1/16/2008						<0.001
1/30/2008		<0.001	<0.001	<0.001	<0.001	
3/5/2008				<0.001		<0.001
3/6/2008		<0.001	<0.001		<0.001	
5/7/2008				<0.001	<0.001	
5/8/2008			<0.001			
5/12/2008		<0.001				
5/13/2008						<0.001
12/12/2008	<0.001					
12/13/2008		<0.001				<0.001
12/14/2008			<0.001	<0.001	<0.001	
4/16/2009						<0.001
4/23/2009	<0.001					
4/29/2009		<0.001	<0.001	<0.001	<0.001	
10/6/2009	<0.001					
10/20/2009		<0.001				
10/21/2009			<0.001			<0.001
10/22/2009				<0.001	<0.001	
4/21/2010			<0.001	<0.001	<0.001	
4/26/2010		<0.001				
4/27/2010						<0.001
5/3/2010	<0.001					
9/28/2010			<0.001	<0.001		
9/29/2010		<0.001			<0.001	
10/5/2010						<0.001
10/11/2010	<0.001					
4/12/2011			<0.001	<0.001		
4/13/2011		<0.001			<0.001	
4/19/2011						<0.001
4/27/2011	<0.001					
10/4/2011			<0.001	<0.001	<0.001	
10/5/2011		<0.001				
10/12/2011						<0.001
10/19/2011	<0.001					
4/3/2012			<0.001	<0.001		
4/4/2012		<0.001			<0.001	
4/24/2012						<0.001
5/1/2012	<0.001					
10/2/2012	<0.001					<0.001
10/3/2012		<0.001		<0.001	<0.001	
10/8/2012			<0.001			
4/2/2013						<0.001
4/3/2013		<0.001	<0.001	<0.001	<0.001	
4/10/2013	<0.001					
10/9/2013				<0.001	<0.001	<0.001
10/15/2013		<0.001	<0.001			
10/16/2013	<0.001					

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.001
4/2/2014				<0.001	<0.001	
4/9/2014		<0.001	<0.001			
4/22/2014	<0.001					
10/1/2014	<0.001					
10/2/2014		<0.001	<0.001	<0.001	<0.001	<0.001
3/30/2015	<0.001					
4/1/2015				<0.001	0.00033 (J)	<0.001
4/2/2015		<0.001	<0.001			
10/10/2015		<0.001				
10/11/2015	<0.001			<0.001	0.00056 (J)	
10/12/2015			<0.001			
10/14/2015						0.00025 (J)
3/28/2016	<0.001					
3/31/2016		<0.001	<0.001			
4/4/2016				<0.001	<0.001	0.000136 (J)
5/25/2016	<0.001					
5/26/2016		<0.001	<0.001	<0.001	<0.001	
5/27/2016						0.000131 (J)
8/1/2016	<0.001					
8/3/2016			<0.001	<0.001		<0.001
8/4/2016					<0.001	
8/5/2016		<0.001				
9/26/2016	<0.001					
9/28/2016		<0.001	0.0002 (J)	<0.001	<0.001	
9/30/2016						9E-05 (J)
11/11/2016	<0.001					
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001
1/30/2017	<0.001					
2/7/2017		<0.001	<0.001			
2/8/2017				<0.001	<0.001	
2/13/2017						0.0001 (J)
4/3/2017	<0.001					
4/10/2017		<0.001	<0.001	<0.001	<0.001	
4/11/2017						0.0003 (J)
6/12/2017	<0.001					
6/14/2017		<0.001	<0.001			0.0003 (J)
6/15/2017				<0.001	<0.001	
10/2/2017	<0.001					
10/4/2017		<0.001	<0.001	<0.001	<0.001	0.0002 (J)
3/16/2018	<0.001					
3/20/2018		<0.001				
3/21/2018			<0.001	<0.001		
3/22/2018					<0.001	0.00032 (J)
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	0.00057 (J)
3/19/2019	<0.001					
3/22/2019		<0.001	<0.001			
3/23/2019				<0.001	<0.001	0.00035 (J)
9/12/2019	<0.001					
9/17/2019		<0.001	<0.001	<0.001	<0.001	0.000575 (JD)
3/11/2020	<0.001					
3/12/2020		<0.001	<0.001	<0.001	<0.001	0.00089 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.001	<0.001				
8/23/2007					<0.001	<0.001
8/24/2007			<0.001	<0.001		
10/25/2007						<0.001
11/1/2007	<0.001	<0.001				
11/2/2007			<0.001	<0.001	<0.001	
11/17/2007			<0.001		<0.001	
11/18/2007				<0.001		
11/19/2007	<0.001	<0.001				<0.001
1/15/2008			<0.001	<0.001	<0.001	
1/23/2008						<0.001
1/31/2008	<0.001	<0.001				
3/5/2008	<0.001	<0.001	<0.001			
3/6/2008					<0.001	
3/10/2008				<0.001		
3/11/2008						<0.001
5/7/2008		<0.001	<0.001		<0.001	
5/12/2008	<0.001					<0.001
5/13/2008				<0.001		
12/2/2008			<0.001	<0.001	<0.001	
12/11/2008						<0.001
12/12/2008		<0.001				
12/13/2008	<0.001					
4/15/2009						<0.001
4/16/2009			<0.001			
4/28/2009	<0.001			<0.001	<0.001	
4/29/2009		<0.001				
10/9/2009						<0.001
10/19/2009					<0.001	
10/20/2009			<0.001	<0.001		
10/21/2009	<0.001	<0.001				
4/20/2010			<0.001			
4/27/2010				<0.001	<0.001	
4/28/2010	<0.001	<0.001				
5/4/2010						<0.001
9/29/2010			<0.001			
10/4/2010					<0.001	
10/5/2010	<0.001			<0.001		
10/6/2010		<0.001				
10/12/2010						<0.001
4/12/2011			<0.001			
4/18/2011					<0.001	
4/19/2011	<0.001			<0.001		
4/20/2011		<0.001				
4/28/2011						<0.001
10/4/2011			<0.001			
10/12/2011		<0.001		<0.001	<0.001	
10/18/2011	<0.001					
10/19/2011						<0.001
4/4/2012			<0.001			
4/23/2012					<0.001	
4/25/2012	<0.001	<0.001		<0.001		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.001
10/2/2012	<0.001	<0.001				
10/9/2012						<0.001
10/10/2012			<0.001	<0.001	<0.001	
4/2/2013	<0.001	<0.001				
4/11/2013						<0.001
4/15/2013			<0.001		<0.001	
4/16/2013				<0.001		
10/8/2013	<0.001	<0.001				
10/16/2013						<0.001
10/22/2013			<0.001	<0.001	<0.001	
4/1/2014	<0.001	<0.001				
4/21/2014			<0.001	<0.001	<0.001	
4/23/2014						<0.001
9/30/2014			<0.001	<0.001	<0.001	
10/1/2014	<0.001	<0.001				
10/3/2014						0.00033 (J)
3/31/2015		<0.001				<0.001
4/1/2015	<0.001					
4/3/2015			<0.001	<0.001	<0.001	
10/6/2015				<0.001		
10/7/2015			<0.001		0.00028 (J)	
10/12/2015						<0.001
10/14/2015		<0.001				
10/15/2015	<0.001					
3/28/2016						0.00104 (o)
4/4/2016	<0.001	<0.001				
4/5/2016			<0.001	<0.001	0.027 (o)	
5/25/2016						0.000148 (J)
5/31/2016	<0.001			<0.001	0.000206 (J)	
6/1/2016		<0.001	<0.001			
8/1/2016						0.0001 (J)
8/4/2016	<0.001				<0.001	
8/9/2016			<0.001			
9/27/2016						0.0001 (J)
9/29/2016	<0.001				0.0002 (J)	
11/11/2016						9E-05 (J)
11/23/2016				<0.001	0.0001 (J)	
11/28/2016	<0.001		<0.001			
1/31/2017						<0.001
2/9/2017	<0.001		0.0001 (J)			
2/10/2017				<0.001	<0.001	
2/22/2017		<0.001				
4/3/2017						0.0001 (J)
4/11/2017		<0.001	<0.001	<0.001		
4/12/2017	<0.001				<0.001	
6/12/2017						<0.001
6/14/2017			<0.001			
6/15/2017				<0.001	<0.001	
6/16/2017	<0.001	<0.001				
7/12/2017		<0.001	<0.001	<0.001		
7/26/2017				<0.001		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		<0.001				
8/10/2017		<0.001				
10/3/2017						<0.001
10/5/2017			<0.001			
10/6/2017		<0.001		<0.001	<0.001	
10/9/2017	<0.001					
3/19/2018						<0.001
3/21/2018	<0.001					
3/22/2018			<0.001			
3/23/2018		<0.001		<0.001	<0.001	
9/17/2018						<0.001
9/19/2018	<0.001		<0.001	<0.001	<0.001	
9/20/2018		<0.001				
3/20/2019						<0.001
3/22/2019		<0.001	<0.001	<0.001		
3/23/2019	<0.001					
3/25/2019					<0.001	
9/16/2019						<0.001
9/17/2019			<0.001	<0.001	<0.001	
9/18/2019	<0.001	<0.001				
3/13/2020	<0.001		<0.001	<0.001	<0.001	
3/16/2020						<0.001
3/17/2020		<0.001				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

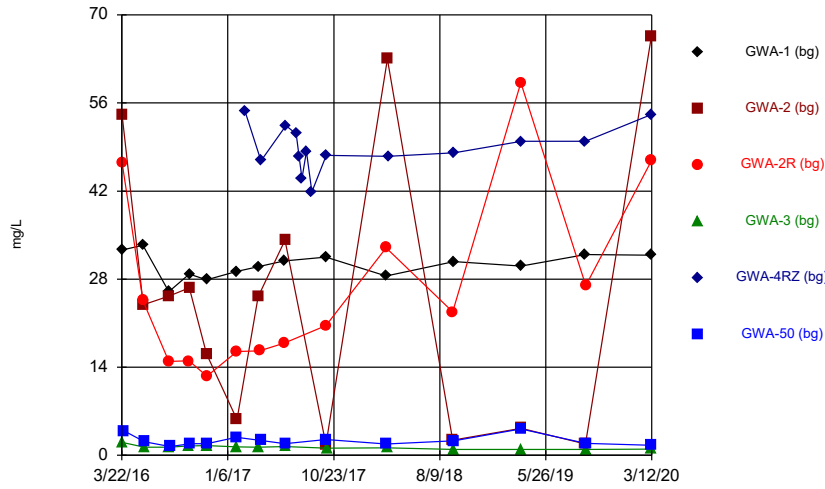
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.001					
8/23/2007						<0.001
10/25/2007	<0.001					
11/1/2007						<0.001
11/19/2007						<0.001
11/20/2007	<0.001					
1/15/2008						<0.001
1/23/2008	<0.001					
3/6/2008						<0.001
3/11/2008	<0.001					
5/13/2008						<0.001
5/14/2008	<0.001					
12/11/2008	<0.001					
12/12/2008						<0.001
4/16/2009						<0.001
4/23/2009	<0.001					
10/9/2009	<0.001					
10/13/2009						<0.001
4/21/2010						<0.001
5/4/2010	<0.001					
9/29/2010						<0.001
10/11/2010	<0.001					
4/13/2011						<0.001
4/26/2011	<0.001					
10/5/2011						<0.001
10/18/2011	<0.001			<0.001		
4/4/2012						<0.001
4/30/2012				<0.001		
5/2/2012	<0.001					
10/3/2012				<0.001		
10/8/2012	<0.001					<0.001
4/8/2013				<0.001		<0.001
4/10/2013	<0.001					
10/8/2013	<0.001					
10/9/2013				<0.001		<0.001
4/9/2014						<0.001
4/10/2014				<0.001		
4/14/2014	<0.001					
9/30/2014						<0.001
10/2/2014				<0.001		
10/3/2014	<0.001					
4/1/2015	<0.001					
4/2/2015						<0.001
4/3/2015				<0.001		
5/26/2015		<0.001			<0.001	
6/18/2015		<0.001 (D)			<0.001 (D)	
7/2/2015		<0.001			<0.001	
10/8/2015				<0.001	<0.001	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001 (D)
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

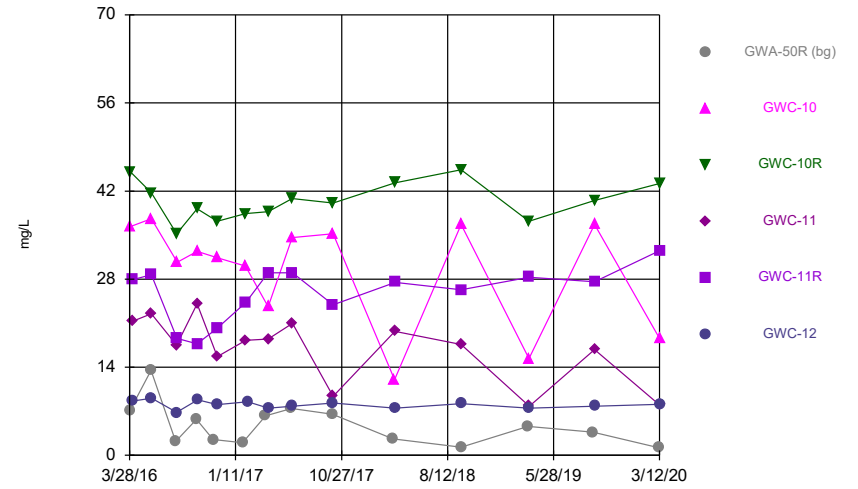
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			<0.001	<0.001	<0.001	
8/5/2016						<0.001
9/26/2016	8E-05 (J)	<0.001			<0.001	
9/27/2016			<0.001	<0.001		
9/28/2016						<0.001
11/14/2016		<0.001				
11/18/2016	8E-05 (J)					
11/21/2016			<0.001		<0.001	<0.001
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	9E-05 (J)			
2/3/2017					0.0001 (J)	
2/6/2017				<0.001		<0.001
4/6/2017	<0.001	<0.001	<0.001	<0.001		<0.001
4/7/2017					<0.001	
6/13/2017	<0.001	<0.001	<0.001		0.0002 (J)	<0.001
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	<0.001		<0.001	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		<0.001	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					<0.001	
9/13/2019			<0.001			
9/16/2019	<0.001	<0.001		<0.001 (D)	<0.001	<0.001
3/12/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/16/2020					<0.001	

Time Series



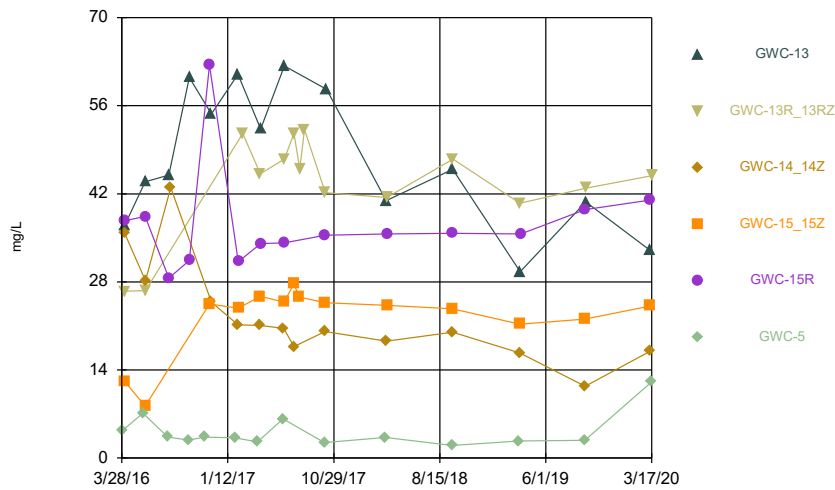
Constituent: Calcium Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



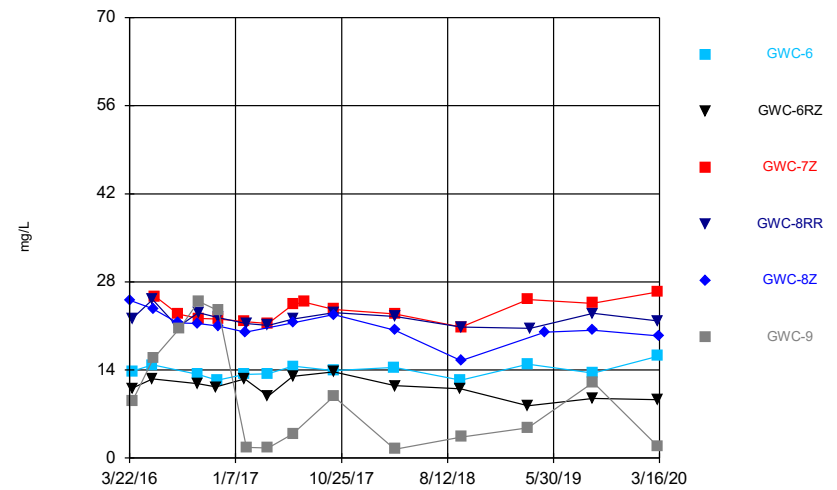
Constituent: Calcium Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Calcium Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Calcium Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	32.6					
3/23/2016		54.1	46.5	2.05		
3/28/2016						3.89
5/19/2016	33.4		24.6			
5/20/2016		23.9				
5/23/2016				1.29		2.16
7/29/2016	26	25.3	14.9	1.29		
8/1/2016						1.37
9/22/2016			15	1.51		
9/23/2016	28.8	26.6				
9/26/2016						1.86
11/9/2016	27.9	16.1				
11/10/2016			12.6	1.54		1.86
1/30/2017	29.2					2.86
1/31/2017		5.68	16.5	1.34		
2/22/2017					54.7	
3/30/2017	30	25.2		1.31		
4/3/2017			16.6			
4/7/2017					46.8	2.34
6/9/2017	30.9		17.8			
6/12/2017		34.2		1.4		1.87
6/14/2017					52.4	
7/12/2017					51.1	
7/20/2017					47.5	
7/28/2017					44	
8/9/2017					48.3	
8/24/2017					41.9	
10/2/2017	31.5	1.69	20.6			2.53
10/3/2017					47.7	
10/4/2017				1.13		
3/16/2018	28.5		33			1.8
3/19/2018		63		1.2		
3/21/2018					47.5	
9/14/2018		2.4	22.8 (J)			
9/17/2018	30.8			0.95		2.3
9/18/2018					48.1	
3/19/2019			59.2			4.2
3/20/2019	30.1	4.3		0.96		
3/21/2019					49.9	
9/12/2019	31.9	1.8			49.9	
9/13/2019			27	0.94		1.9
3/11/2020	31.8	66.6	46.8	1		1.6
3/12/2020					54.2	

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	7.04					
3/31/2016		36.4	45			
4/4/2016				21.3	27.9	8.63
5/25/2016	13.5					
5/26/2016		37.6	41.7	22.5	28.7	
5/27/2016						9.07
8/1/2016	2.2					
8/3/2016			35.2	17.5		6.82
8/4/2016					18.6	
8/5/2016		30.7				
9/26/2016	5.72					
9/28/2016		32.4	39.2	24.1	17.7	
9/30/2016						8.8
11/11/2016	2.5					
11/22/2016		31.4	37.2	15.7	20.2	8.08
1/30/2017	2.01					
2/7/2017		30.1	38.4			
2/8/2017				18.3	24.3	
2/13/2017						8.51
4/3/2017	6.26					
4/10/2017		23.6	38.7	18.5	29	
4/11/2017						7.5
6/12/2017	7.44					
6/14/2017		34.6	40.8			7.82
6/15/2017				21	29	
10/2/2017	6.55					
10/4/2017		35.2	40.1	9.4	23.9	8.32
3/16/2018	2.6					
3/20/2018		12 (J)				
3/21/2018			43.3	19.7 (J)		
3/22/2018					27.5	7.5
9/18/2018	1.3	36.7	45.4	17.6 (J)	26.3	8.2
3/19/2019	4.6					
3/22/2019		15.4 (J)	37.2			
3/23/2019				7.8	28.3	7.5
9/12/2019	3.7					
9/17/2019		36.7	40.5	16.8	27.6	7.8
3/11/2020	1.2					
3/12/2020		18.6	43.2	8	32.5	8.1

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

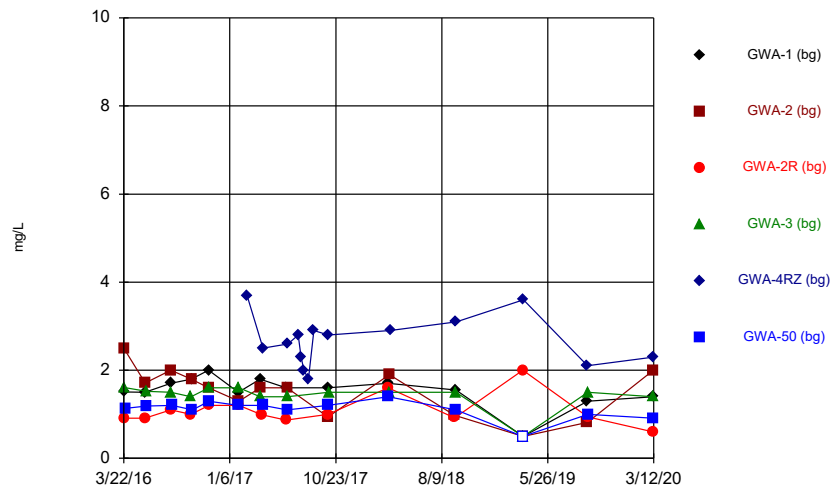
	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/28/2016						4.29
4/4/2016	36.9	26.5				
4/5/2016			35.7	12.2	37.7	
5/25/2016						7.15
5/31/2016	43.9			8.24	38.4	
6/1/2016		26.6	28.2			
8/1/2016						3.35
8/4/2016	45				28.6	
8/9/2016			43			
9/27/2016						2.89
9/29/2016	60.5				31.4	
11/11/2016						3.33
11/23/2016				24.5	62.5	
11/28/2016	54.7		24.8			
1/31/2017						3.21
2/9/2017	61		21.2			
2/10/2017				23.8	31.2	
2/22/2017		51.6				
4/3/2017						2.57
4/11/2017		45.2	21.1	25.7		
4/12/2017	52.3				34.1	
6/12/2017						6.22
6/14/2017			20.6			
6/15/2017				24.8	34.2	
6/16/2017	62.3	47.5				
7/12/2017		51.6	17.7	27.7		
7/26/2017				25.6		
7/28/2017		46				
8/10/2017		52.2				
10/3/2017						2.45
10/5/2017			20.1			
10/6/2017		42.2		24.7	35.4	
10/9/2017	58.6					
3/19/2018						3.3
3/21/2018	40.9					
3/22/2018			18.6 (J)			
3/23/2018		41.4		24.3 (J)	35.6	
9/17/2018						2
9/19/2018	45.9		20 (J)	23.7 (J)	35.7	
9/20/2018		47.5				
3/20/2019						2.7
3/22/2019		40.5	16.7 (J)	21.3 (J)		
3/23/2019	29.6					
3/25/2019					35.6	
9/16/2019						2.8
9/17/2019			11.4	22.1	39.5	
9/18/2019	40.7	42.9				
3/13/2020	33		17	24.2	41	
3/16/2020						12.1
3/17/2020		44.9				

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

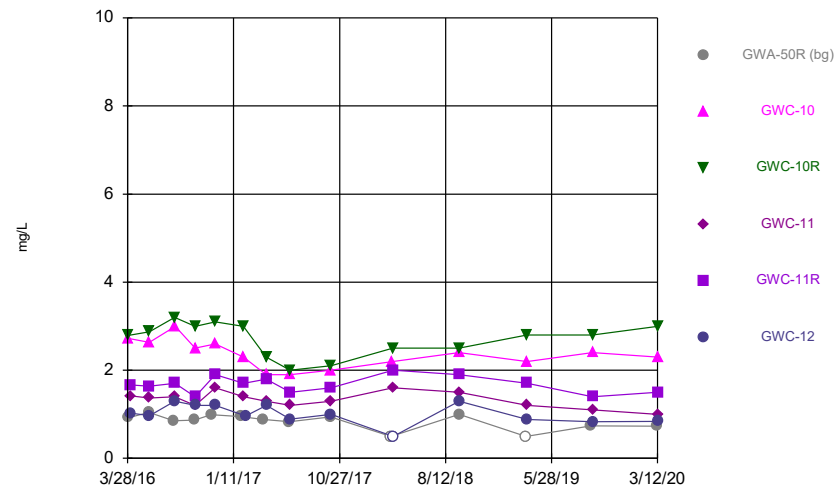
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					25.1	
3/29/2016	13.8	11.1				
3/30/2016				22.2		9.07
5/24/2016	14.8	12.6		25.2		
5/25/2016					23.7	
5/26/2016						15.8
5/31/2016			25.7			
8/2/2016			22.9	20.8	21.5	
8/5/2016						20.5
9/26/2016	13.3	11.8			21.4	
9/27/2016			22.2	23.1		
9/28/2016						24.9
11/14/2016		11.3				
11/18/2016	12.4					
11/21/2016			22.1		21	23.4
11/22/2016				22.3		
2/1/2017	13.3	12.6	21.7			
2/3/2017					20	
2/6/2017				21.4		1.7
4/6/2017	13.4	9.84	21.4	21.1		1.6
6/13/2017	14.6	13	24.4		21.5	3.82
6/14/2017				22.1		
7/14/2017			24.8			
10/3/2017	13.9	13.7	23.6		22.8	9.77
10/4/2017				23.1		
3/19/2018	14.4 (J)					
3/20/2018		11.5 (J)	22.9 (J)		20.3 (J)	1.4
3/21/2018				22.5 (J)		
9/17/2018	12.4 (J)	11 (J)				
9/18/2018			20.8 (J)	20.8 (J)	15.5 (J)	3.35 (D)
3/21/2019	14.9 (J)	8.3	25.2			4.8
3/27/2019				20.6 (J)		
5/6/2019					20 (J)	
9/13/2019			24.6			
9/16/2019	13.5	9.5		23	20.3	12
3/12/2020	16.2	9.3	26.4	21.8		1.8
3/16/2020					19.4	

Time Series



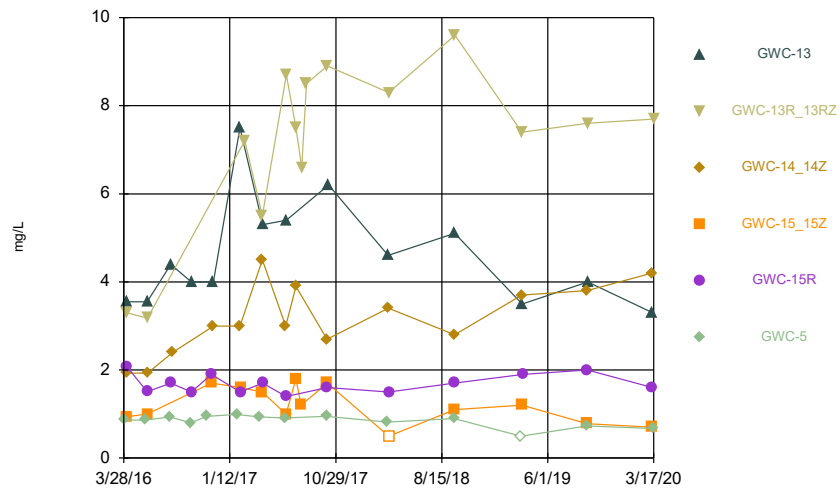
Constituent: Chloride Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



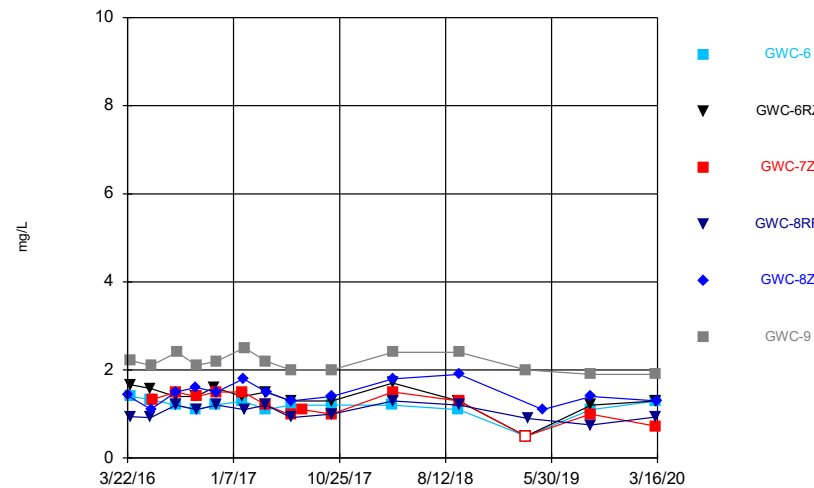
Constituent: Chloride Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Chloride Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Chloride Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	1.5101					
3/23/2016		2.4904	0.9079	1.6092		
3/28/2016						1.14
5/19/2016	1.5		0.9136			
5/20/2016		1.71				
5/23/2016				1.52		1.19
7/29/2016	1.7	2	1.1	1.5		
8/1/2016						1.2
9/22/2016			1	1.4		
9/23/2016	1.8	1.8				
9/26/2016						1.1
11/9/2016	2	1.6				
11/10/2016			1.2	1.6		1.3
1/30/2017	1.5					1.2
1/31/2017		1.3	1.2	1.6		
2/22/2017					3.7	
3/30/2017	1.8	1.6		1.4		
4/3/2017			0.99			
4/7/2017					2.5	1.2
6/9/2017	1.6		0.87			
6/12/2017		1.6		1.4		1.1
6/14/2017					2.6	
7/12/2017					2.8	
7/20/2017					2.3	
7/28/2017					2	
8/9/2017					1.8	
8/24/2017					2.9	
10/2/2017	1.6	0.94	1			1.2
10/3/2017					2.8	
10/4/2017				1.5		
3/16/2018	1.7		1.6			1.4
3/19/2018		1.9		1.5		
3/21/2018					2.9	
9/14/2018		0.98	0.92			
9/17/2018	1.55 (D)			1.5		1.1
9/18/2018					3.1	
3/19/2019			2			<1
3/20/2019	<1	<1		<1		
3/21/2019					3.6	
9/12/2019	1.3	0.815 (JD)			2.1	
9/13/2019			0.94 (J)	1.5		1
3/11/2020	1.4	2	0.6 (J)	1.4		0.91 (J)
3/12/2020					2.3	

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	0.9204					
3/31/2016		2.72	2.79			
4/4/2016				1.42	1.67	1.03
5/25/2016	1.04					
5/26/2016		2.63	2.87	1.37	1.64	
5/27/2016						0.9684
8/1/2016	0.85					
8/3/2016			3.2	1.4		1.3
8/4/2016					1.7	
8/5/2016		3				
9/26/2016	0.87					
9/28/2016		2.5	3	1.2	1.4	
9/30/2016						1.2
11/11/2016	0.99					
11/22/2016		2.6	3.1	1.6	1.9	1.2
1/30/2017	0.95					
2/7/2017		2.3	3			
2/8/2017				1.4	1.7	
2/13/2017						0.96
4/3/2017	0.88					
4/10/2017		1.9	2.3	1.3	1.8	
4/11/2017						1.2
6/12/2017	0.83					
6/14/2017		1.9	2			0.89
6/15/2017				1.2	1.5	
10/2/2017	0.94					
10/4/2017		2	2.1	1.3	1.6	1
3/16/2018	<1					
3/20/2018		2.2				
3/21/2018			2.5	1.6		
3/22/2018					2	<1
9/18/2018	1	2.4	2.5	1.5	1.9	1.3
3/19/2019	<1					
3/22/2019		2.2	2.8			
3/23/2019				1.2	1.7	0.88
9/12/2019	0.74 (J)					
9/17/2019		2.4	2.8	1.1	1.4	0.835 (JD)
3/11/2020	0.73 (J)					
3/12/2020		2.3	3	1	1.5	0.84 (J)

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

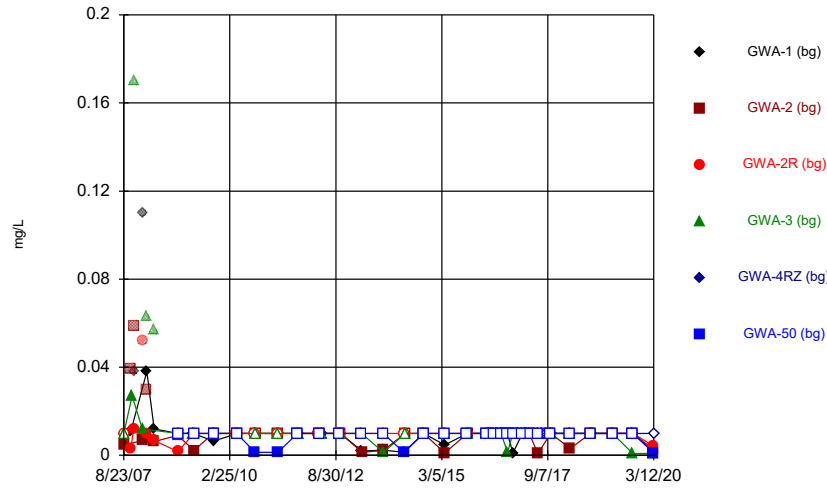
	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/28/2016						0.8659
4/4/2016	3.55	3.3				
4/5/2016			1.93	0.9439	2.08	
5/25/2016						0.8639
5/31/2016	3.55			1	1.51	
6/1/2016		3.18	1.93			
8/1/2016						0.93
8/4/2016	4.4				1.7	
8/9/2016			2.4			
9/27/2016						0.8
9/29/2016	4				1.5	
11/11/2016						0.95
11/23/2016				1.7	1.9	
11/28/2016	4		3			
1/31/2017						0.99
2/9/2017	7.5		3			
2/10/2017				1.6	1.5	
2/22/2017		7.2				
4/3/2017						0.93
4/11/2017		5.5	4.5	1.5		
4/12/2017	5.3				1.7	
6/12/2017						0.91
6/14/2017			3			
6/15/2017				1	1.4	
6/16/2017	5.4	8.7				
7/12/2017		7.5	3.9	1.8		
7/26/2017				1.2		
7/28/2017		6.6				
8/10/2017		8.5				
10/3/2017						0.95
10/5/2017			2.7			
10/6/2017		8.9		1.7	1.6	
10/9/2017	6.2					
3/19/2018						0.82
3/21/2018	4.6					
3/22/2018			3.4			
3/23/2018		8.3		<1	1.5	
9/17/2018						0.9
9/19/2018	5.1		2.8	1.1	1.7	
9/20/2018		9.6				
3/20/2019						<1
3/22/2019		7.4	3.7	1.2		
3/23/2019	3.5					
3/25/2019					1.9	
9/16/2019						0.73 (J)
9/17/2019			3.8	0.78 (X)	2	
9/18/2019	4	7.6				
3/13/2020	3.3		4.2	0.7 (J)	1.6	
3/16/2020						0.67 (J)
3/17/2020		7.7				

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

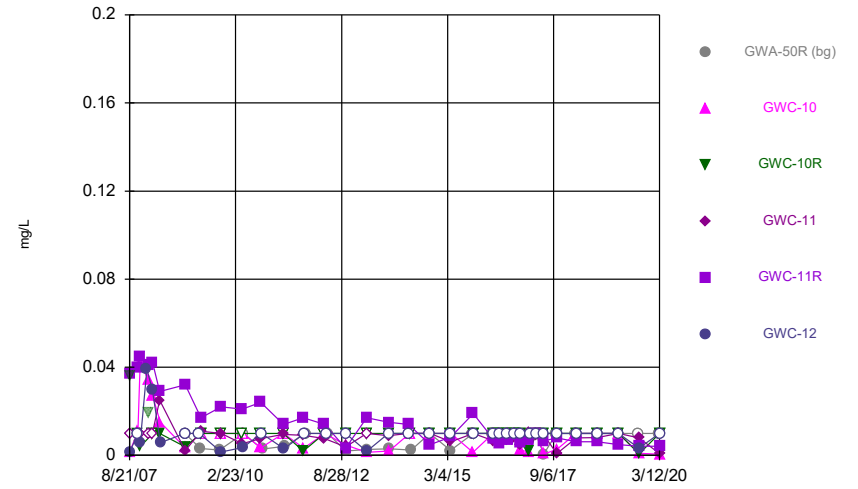
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					1.4231	
3/29/2016	1.3977	1.6645				
3/30/2016				0.9409		2.21
5/24/2016	1.33	1.58		0.92		
5/25/2016					1.11	
5/26/2016						2.1
5/31/2016			1.33			
8/1/2016	1.2	1.4				
8/2/2016			1.5	1.2	1.5	
8/5/2016						2.4
9/26/2016	1.1	1.4			1.6	
9/27/2016			1.4	1.1		
9/28/2016						2.1
11/14/2016		1.6				
11/18/2016	1.2					
11/21/2016			1.5		1.5	2.2
11/22/2016				1.2		
2/1/2017	1.3	1.4	1.5			
2/3/2017					1.8	
2/6/2017				1.1		2.5
4/6/2017	1.1	1.5	1.2	1.2		2.2
4/7/2017					1.5	
6/13/2017	1.2	1.3	0.98		1.3	2
6/14/2017				0.92		
7/14/2017			1.1			
10/3/2017	1.2	1.3	1		1.4	2
10/4/2017				1		
3/19/2018	1.2					
3/20/2018		1.7	1.5		1.8	2.4
3/21/2018				1.3		
9/17/2018	1.1	1.3				
9/18/2018			1.3	1.2	1.9	2.4 (D)
3/21/2019	<1	<1	<1			2
3/27/2019				0.9		
5/6/2019					1.1	
9/13/2019			1			
9/16/2019	1.1	1.2		0.75 (JD)	1.4	1.9
3/12/2020	1.3	1.3	0.72 (J)	0.93 (J)		1.9
3/16/2020					1.3	

Time Series



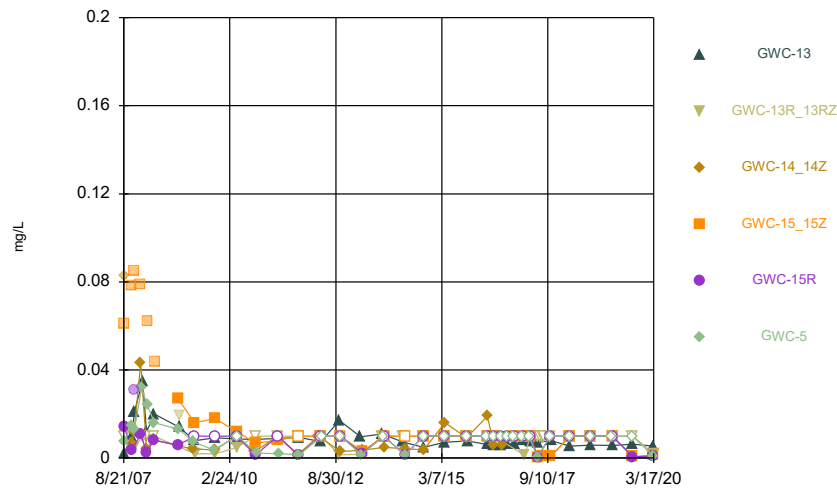
Constituent: Chromium Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



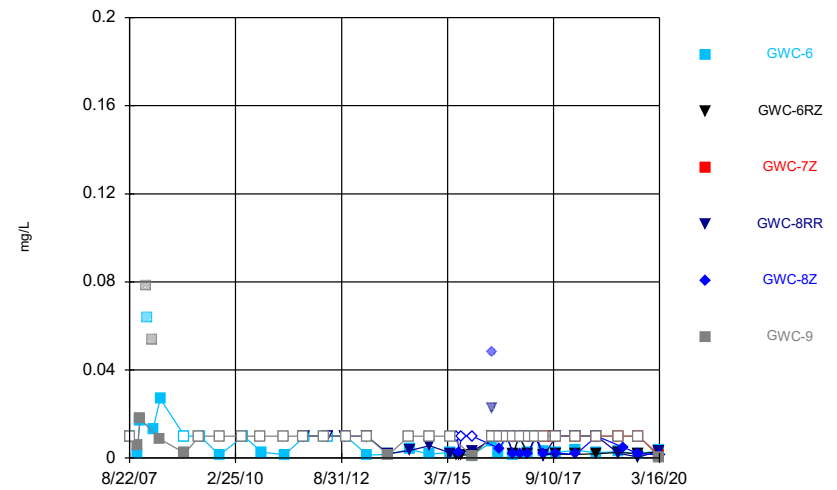
Constituent: Chromium Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Chromium Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Chromium Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	0.0045	<0.01	<0.01		
10/23/2007	0.011					
10/24/2007		0.039 (o)	0.0033			
11/2/2007				0.027		
11/18/2007	0.038 (o)	0.059 (o)	0.012	0.17 (o)		
1/30/2008	0.11 (O)					
1/31/2008		0.0067	0.052 (O)	0.012		
3/10/2008	0.038		0.01			
3/11/2008		0.03 (o)		0.063 (o)		
5/6/2008		0.0062				
5/13/2008	0.012		0.0068			
5/14/2008				0.057 (o)		
12/4/2008		0.009	0.0017			
12/5/2008	<0.01			<0.01		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		0.0022	<0.01			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	0.0065	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						0.0014
10/4/2010		<0.01				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						0.0014
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	0.0019					
4/15/2013		0.0013				
10/15/2013		0.0023				<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	0.0024		<0.01	0.0013		
4/10/2014			<0.01			0.0013 (J)
4/11/2014	0.0013 (J)					
4/22/2014		<0.01				
4/23/2014				<0.01		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				<0.01		
3/30/2015	0.0047	0.0011 (J)	<0.01			<0.01
3/31/2015				<0.01		
10/11/2015						<0.01
10/12/2015				<0.01		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
5/19/2016	<0.01		<0.01			
5/20/2016		<0.01				
5/23/2016				<0.01		<0.01
7/29/2016	<0.01	<0.01	<0.01	<0.01		
8/1/2016						<0.01
9/22/2016			<0.01	0.0013 (J)		
9/23/2016	<0.01	<0.01				
9/26/2016						<0.01
11/9/2016	0.0011 (J)	<0.01				
11/10/2016			<0.01	<0.01		<0.01
1/30/2017	<0.01					<0.01
1/31/2017		<0.01	<0.01	<0.01		
2/22/2017					<0.01	
3/30/2017	<0.01	<0.01		<0.01		
4/3/2017			<0.01			
4/7/2017					<0.01	<0.01
6/9/2017	<0.01		<0.01			
6/12/2017		0.0008 (J)		<0.01		<0.01
6/14/2017					<0.01	
7/12/2017					<0.01	
7/20/2017					<0.01	
7/28/2017					<0.01	
8/9/2017					<0.01	
8/24/2017					<0.01	
10/2/2017	<0.01	<0.01	<0.01			<0.01
10/3/2017					<0.01	
10/4/2017				<0.01		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		0.0031 (J)		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			<0.01		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		<0.01		
3/21/2019					<0.01	

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.01	<0.01 (D)			<0.01	
9/13/2019			<0.01	0.00073 (J)		<0.01
3/11/2020	0.0012 (J)	0.0025 (J)	0.0042 (J)	0.00095 (J)		0.0011 (J)
3/12/2020					<0.01	

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		0.0015	0.036 (o)	<0.01	0.037	0.0013
11/1/2007		0.011	0.01	<0.01	0.04	<0.01
11/18/2007				<0.01	0.045	
11/19/2007						0.0056
11/20/2007		0.042	0.0039			
1/16/2008						0.039
1/30/2008		0.034	0.019 (o)	<0.01	0.041	
3/5/2008				<0.01		0.03
3/6/2008		0.027	<0.01		0.042	
5/7/2008				0.025	0.029	
5/8/2008			0.01			
5/12/2008		0.015				
5/13/2008						0.0057
12/12/2008	<0.01					
12/13/2008		0.0036				<0.01
12/14/2008			0.0038	0.0021	0.032	
4/16/2009						<0.01
4/23/2009	0.0031					
4/29/2009		<0.01	<0.01	0.011	0.017	
10/6/2009	0.0024					
10/20/2009		<0.01				
10/21/2009			<0.01			0.0015
10/22/2009				0.01	0.022	
4/21/2010			<0.01	0.0053	0.021	
4/26/2010		<0.01				
4/27/2010						0.0036
5/3/2010	<0.01					
9/28/2010			<0.01	0.0076		
9/29/2010		0.0034			0.024	
10/5/2010						<0.01
10/11/2010	0.0028					
4/12/2011			<0.01	0.0095		
4/13/2011		<0.01			0.014	
4/19/2011						0.003
4/27/2011	0.0041					
10/4/2011			0.0019	0.0091	0.017	
10/5/2011		0.0032				
10/12/2011						<0.01
10/19/2011	<0.01					
4/3/2012			<0.01	0.0076		
4/4/2012		<0.01			0.014	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	0.0019					<0.01
10/3/2012		0.0047		0.0039	0.0033	
10/8/2012			<0.01			
4/2/2013						0.0018
4/3/2013		0.0014	<0.01	<0.01	0.017	
4/10/2013	0.0027					
10/9/2013				0.0089	0.015	<0.01
10/15/2013		0.002	<0.01			
10/16/2013	0.0029					

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.01
4/2/2014				<0.01	0.014	
4/9/2014		<0.01	<0.01			
4/22/2014	0.0024					
10/1/2014	<0.01					
10/2/2014		<0.01	<0.01	<0.01	0.0048	<0.01
3/30/2015	0.0022					
4/1/2015				0.0062	0.0084	<0.01
4/2/2015		<0.01	<0.01			
10/10/2015		0.0013				
10/11/2015	<0.01			<0.01	0.019	
10/12/2015			<0.01			
10/14/2015						<0.01
3/28/2016	<0.01					
3/31/2016		<0.01	<0.01			
4/4/2016				0.00656 (J)	0.00728 (J)	<0.01
5/25/2016	<0.01					
5/26/2016		<0.01	<0.01	0.00752 (J)	0.00553 (J)	
5/27/2016						<0.01
8/1/2016	<0.01					
8/3/2016			<0.01	0.0067 (J)		<0.01
8/4/2016					0.0071 (J)	
8/5/2016		<0.01				
9/26/2016	<0.01					
9/28/2016		<0.01	<0.01	0.0082 (J)	0.0093 (J)	
9/30/2016						<0.01
11/11/2016	<0.01					
11/22/2016		0.0024 (J)	<0.01	0.0045 (J)	0.0058 (J)	<0.01
1/30/2017	<0.01					
2/7/2017		0.0015 (J)	0.0019 (J)			
2/8/2017				0.0101	0.0072 (J)	
2/13/2017						<0.01
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	0.0094 (J)	<0.01	
4/11/2017						<0.01
6/12/2017	0.0005 (J)					
6/14/2017		0.0006 (J)	<0.01			<0.01
6/15/2017				0.009 (J)	0.0066 (J)	
10/2/2017	<0.01					
10/4/2017		0.0027 (J)	<0.01	0.0008 (J)	0.0079 (J)	<0.01
3/16/2018	<0.01					
3/20/2018		<0.01				
3/21/2018			<0.01	0.0079 (J)		
3/22/2018					0.0062 (J)	<0.01
9/18/2018	<0.01	<0.01	<0.01	0.0081 (J)	0.0062 (J)	<0.01
3/19/2019	<0.01					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	0.0048 (J)	<0.01
9/12/2019	<0.01					
9/17/2019		0.0009 (J)	0.00067 (J)	0.0079 (J)	0.0042 (J)	0.0033 (D)
3/11/2020	<0.01					
3/12/2020		0.00047 (J)	<0.01	0.00084 (J)	0.0042 (J)	<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	0.0019	<0.01				
8/23/2007					0.014	0.0076
8/24/2007			0.083 (o)	0.061 (o)		
10/25/2007						0.015
11/1/2007	0.01	0.0042				
11/2/2007			0.0071	0.078 (o)	0.0036	
11/17/2007			0.012		0.031 (o)	
11/18/2007				0.085 (o)		
11/19/2007	0.021	0.0049				0.013
1/15/2008			0.043	0.079 (o)	0.011	
1/23/2008						0.032
1/31/2008	0.035	<0.01				
3/5/2008	0.012	<0.01	0.0044			
3/6/2008					0.0027	
3/10/2008				0.062 (o)		
3/11/2008						0.024
5/7/2008		<0.01	0.0084		0.008	
5/12/2008	0.02					0.016
5/13/2008				0.044 (o)		
12/2/2008			0.0056	0.027	0.0059	
12/11/2008						0.013
12/12/2008		0.019 (o)				
12/13/2008	0.014					
4/15/2009						0.0073
4/16/2009			0.0042			
4/28/2009	0.0079			0.016	<0.01	
4/29/2009		0.002				
10/9/2009						0.0037
10/19/2009					<0.01	
10/20/2009			0.0037	0.018		
10/21/2009	0.0092	0.002				
4/20/2010			<0.01			
4/27/2010				0.012	<0.01	
4/28/2010	0.0086	0.0049				
5/4/2010						<0.01
9/29/2010			0.0028			
10/4/2010					0.0013	
10/5/2010	0.0085			0.0067		
10/6/2010		<0.01				
10/12/2010						0.0023
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	0.0089			0.0081		
4/20/2011		<0.01				
4/28/2011						0.002
10/4/2011			0.0015			
10/12/2011		<0.01		<0.01	0.0014	
10/18/2011	0.0093					
10/19/2011						0.0015
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	0.0075	<0.01		<0.01		

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	0.017	0.0015				
10/9/2012						<0.01
10/10/2012			0.0029	<0.01	<0.01	
4/2/2013	0.0097	0.0017				
4/11/2013						0.0015
4/15/2013			0.0036		0.0021	
4/16/2013				0.0029		
10/8/2013	0.011	<0.01				
10/16/2013						<0.01
10/22/2013			0.0048	<0.01	<0.01	
4/1/2014	0.0074	<0.01				
4/21/2014			0.0043	<0.01	0.0013 (J)	
4/23/2014						0.0013 (J)
9/30/2014			0.0037	<0.01	<0.01	
10/1/2014	0.0049	<0.01				
10/3/2014						<0.01
3/31/2015		<0.01				<0.01
4/1/2015	0.0072					
4/3/2015			0.016	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			0.0092		<0.01	
10/12/2015						<0.01
10/14/2015		<0.01				
10/15/2015	0.0077					
3/28/2016						<0.01
4/4/2016	0.00615 (J)	<0.01 (D)				
4/5/2016			0.019 (J)	<0.01	<0.01	
5/25/2016						<0.01
5/31/2016	0.00588 (J)			<0.01	<0.01	
6/1/2016		<0.01 (D)	0.006 (J)			
8/1/2016						<0.01
8/4/2016	0.0056 (J)				<0.01	
8/9/2016			0.0061 (JD)			
9/27/2016						<0.01
9/29/2016	0.0065 (J)				<0.01	
11/11/2016						<0.01
11/23/2016				<0.01	<0.01	
11/28/2016	0.0064 (J)		<0.01			
1/31/2017						<0.01
2/9/2017	0.0078 (J)		<0.01			
2/10/2017				<0.01	<0.01	
2/22/2017		0.0012 (J)				
4/3/2017						<0.01
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	0.0077 (J)				<0.01	
6/12/2017						0.0005 (J)
6/14/2017			0.0006 (J)			
6/15/2017				0.0005 (J)	0.0005 (J)	
6/16/2017	0.0072 (J)	<0.01				
7/12/2017		<0.01	0.0005 (J)	0.0008 (J)		
7/26/2017				0.0006 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		<0.01				
8/10/2017		<0.01				
10/3/2017						<0.01
10/5/2017			0.0006 (J)			
10/6/2017		<0.01		0.0008 (J)	<0.01	
10/9/2017	0.0079 (J)					
3/19/2018						<0.01
3/21/2018	0.0055 (J)					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	0.0059 (J)		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	0.0058 (J)					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			0.00046 (X)	0.00064 (X)	0.00044 (J)	
9/18/2019	0.0063 (J)	<0.01				
3/13/2020	0.0054 (J)		0.00093 (J)	0.0012 (J)	0.0011 (J)	
3/16/2020						0.00078 (J)
3/17/2020		0.002 (J)				

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

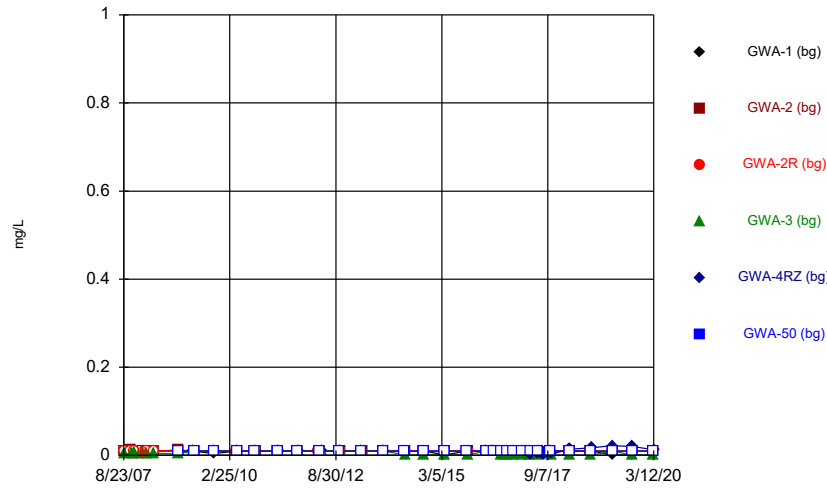
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	0.002					
11/1/2007						0.0061
11/19/2007						0.018 (J)
11/20/2007	0.017					
1/15/2008						0.078 (o)
1/23/2008	0.064 (o)					
3/6/2008						0.054 (o)
3/11/2008	0.013					
5/13/2008						0.0085
5/14/2008	0.027					
12/11/2008	<0.01					
12/12/2008						0.0023
4/16/2009						<0.01
4/23/2009	<0.01					
10/9/2009	0.0014					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	0.0027					
4/13/2011						<0.01
4/26/2011	0.0015					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	0.0013					
10/8/2013	0.0017					
10/9/2013				0.0019		0.0013
4/9/2014						<0.01
4/10/2014				0.0034		
4/14/2014	0.004					
9/30/2014						<0.01
10/2/2014				0.0056		
10/3/2014	0.0017					
4/1/2015	0.0027					
4/2/2015						<0.01
4/3/2015				0.0022		
5/26/2015		0.0015			<0.01	
6/18/2015		0.0013 (D)			0.0024 (D)	
7/2/2015		0.0014			<0.01	
10/8/2015				0.0033	<0.01	
10/9/2015	0.0016	0.0015				
10/10/2015						0.000825 (D)
3/22/2016					0.048 (o)	
3/29/2016	0.00738 (J)	<0.01				

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

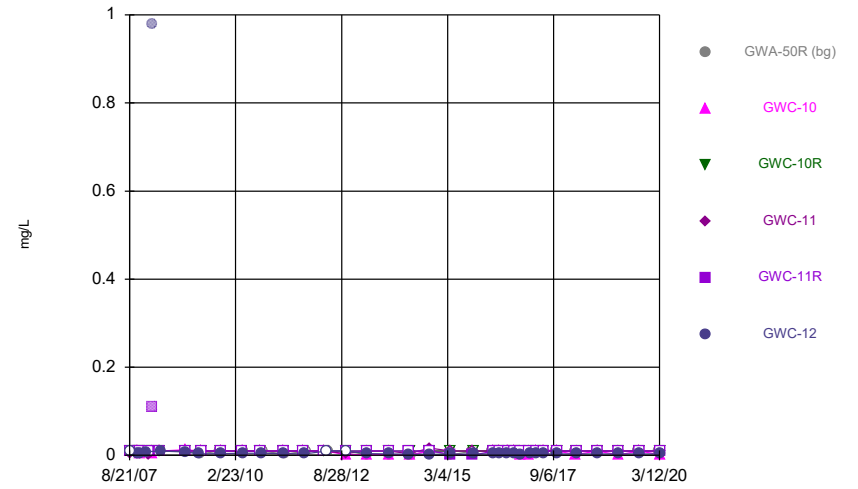
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.0228 (o)		<0.01
5/24/2016	0.00263 (J)	<0.01		<0.01		
5/25/2016					0.00441 (J)	
5/26/2016						<0.01
5/31/2016			<0.01			
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
9/26/2016	0.0014 (J)	0.002 (J)			0.002 (J)	
9/27/2016			<0.01	<0.01		
9/28/2016						<0.01
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			<0.01		0.0017 (J)	<0.01
11/22/2016				<0.01		
2/1/2017	0.0024 (J)	0.0017 (J)	<0.01			
2/3/2017					0.0018 (J)	
2/6/2017				<0.01		<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
6/13/2017	0.0031 (J)	0.0015 (J)	<0.01		0.0019 (J)	<0.01
6/14/2017				0.0009 (J)		
7/14/2017			<0.01			
10/3/2017	0.0025 (J)	0.0018 (J)	<0.01		0.0022 (J)	<0.01
10/4/2017				<0.01		
3/19/2018	0.0035 (J)					
3/20/2018		0.0017 (J)	<0.01		0.0017 (J)	<0.01
3/21/2018				<0.01		
9/17/2018	0.0024 (J)	0.002 (J)				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	0.0029 (J)	0.0025 (J)	<0.01			<0.01
3/27/2019				0.0021 (J)		
5/6/2019					0.0048 (J)	
9/13/2019			<0.01			
9/16/2019	0.002 (J)	0.002 (J)		0.000465 (JD)	0.002 (J)	<0.01
3/12/2020	0.0034 (J)	0.0028 (J)	0.0014 (J)	0.0031 (J)		0.00045 (J)
3/16/2020					0.0015 (J)	

Time Series



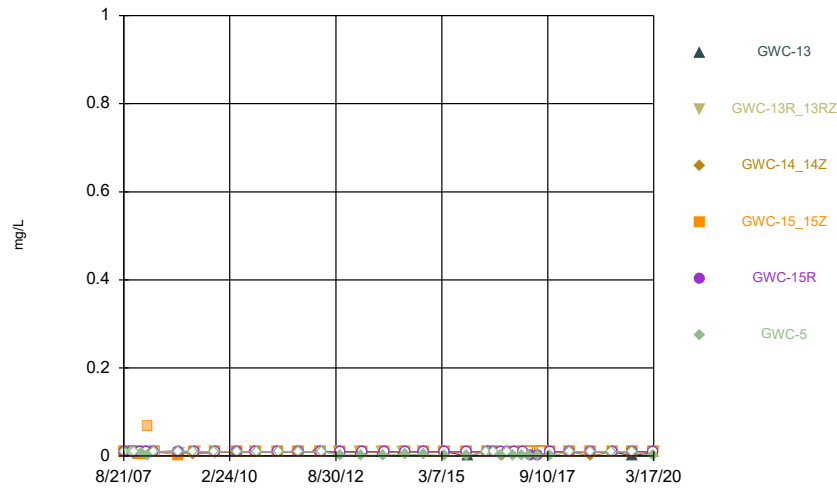
Constituent: Cobalt Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



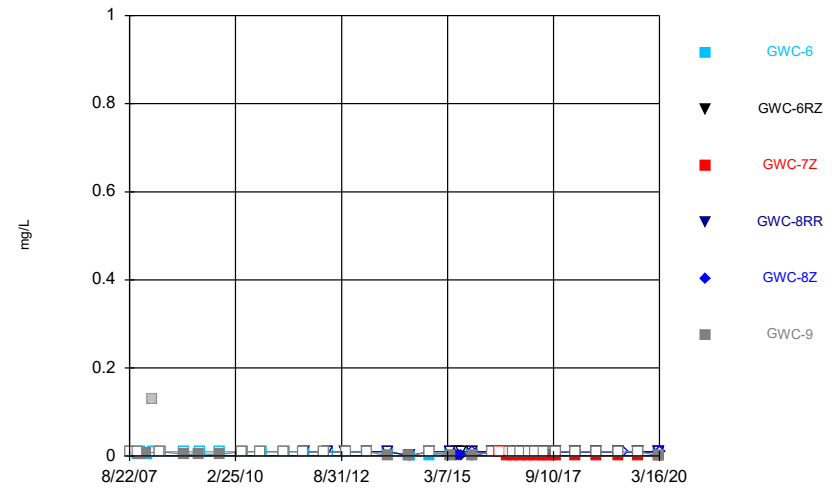
Constituent: Cobalt Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Cobalt Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Cobalt Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	0.0033		
10/23/2007	<0.01					
10/24/2007		0.013	<0.01			
11/2/2007				0.0046		
11/18/2007	<0.01	0.0041	<0.01	0.0057		
1/30/2008	0.0045					
1/31/2008		<0.01	0.0083 (O)	0.0055		
3/10/2008	<0.01		<0.01			
3/11/2008		<0.01		0.0033		
5/6/2008		<0.01				
5/13/2008	<0.01		<0.01			
5/14/2008				0.0044		
12/4/2008		0.012	<0.01			
12/5/2008	<0.01			0.0035		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		<0.01	<0.01			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	0.0041	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		<0.01				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						<0.01
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		<0.01				<0.01

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	<0.01		
4/10/2014			<0.01			<0.01
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				0.0013 (J)		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				0.00081 (J)		
3/30/2015	0.0012 (J)	<0.01	<0.01			<0.01
3/31/2015				0.0021		
10/11/2015						<0.01
10/12/2015				0.00078 (J)		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
5/19/2016	<0.01		<0.01			
5/20/2016		<0.01				
5/23/2016				<0.01		<0.01
7/29/2016	0.0004 (J)	<0.01	<0.01	0.0007 (J)		
8/1/2016						<0.01
9/22/2016			<0.01	0.0007 (J)		
9/23/2016	<0.01	<0.01				
9/26/2016						<0.01
11/9/2016	<0.01	<0.01				
11/10/2016			<0.01	0.0007 (J)		<0.01
1/30/2017	<0.01					<0.01
1/31/2017		<0.01	<0.01	0.0007 (J)		
2/22/2017					<0.01	
3/30/2017	<0.01	<0.01		0.0007 (J)		
4/3/2017			<0.01			
4/7/2017					0.0018 (J)	<0.01
6/9/2017	<0.01		<0.01			
6/12/2017		<0.01		0.0007 (J)		<0.01
6/14/2017					0.0045 (J)	
7/12/2017					0.0046 (J)	
7/20/2017					0.0109	
7/28/2017					0.0104	
8/9/2017					0.0022 (J)	
8/24/2017					0.0076 (J)	
10/2/2017	<0.01	<0.01	<0.01			<0.01
10/3/2017					0.0028 (J)	
10/4/2017				0.0006 (J)		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		0.00059 (J)		
3/21/2018					0.014	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			0.00057 (J)		<0.01
9/18/2018					0.017	
3/19/2019			<0.01			<0.01
3/20/2019	0.00078 (J)	<0.01		<0.01		
3/21/2019					0.022	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	0.00047 (J)	<0.01 (D)			0.02	
9/13/2019			<0.01	0.00046 (J)		<0.01
3/11/2020	0.00037 (J)	<0.01	<0.01	0.00041 (J)		<0.01
3/12/2020					0.013	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	0.0031	<0.01	<0.01
11/1/2007		<0.01	<0.01	0.0034	<0.01	0.0041
11/18/2007				0.0045	<0.01	
11/19/2007						0.0055
11/20/2007		0.0046	<0.01			
1/16/2008						0.008
1/30/2008		0.0079	<0.01	0.0027	<0.01	
3/5/2008				<0.01		0.98 (o)
3/6/2008		0.0037	<0.01		0.11 (o)	
5/7/2008				<0.01	<0.01	
5/8/2008			<0.01			
5/12/2008		<0.01				
5/13/2008						0.01
12/12/2008	<0.01					
12/13/2008		0.013				0.0073
12/14/2008			<0.01	<0.01	<0.01	
4/16/2009						0.0033
4/23/2009	0.0029					
4/29/2009		<0.01	<0.01	<0.01	<0.01	
10/6/2009	<0.01					
10/20/2009		<0.01				
10/21/2009			<0.01			0.0039
10/22/2009				<0.01	<0.01	
4/21/2010			<0.01	<0.01	<0.01	
4/26/2010		<0.01				
4/27/2010						0.0044
5/3/2010	<0.01					
9/28/2010			<0.01	<0.01		
9/29/2010		<0.01			<0.01	
10/5/2010						0.005
10/11/2010	<0.01					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						0.0039
4/27/2011	0.0028					
10/4/2011			<0.01	<0.01	<0.01	
10/5/2011		<0.01				
10/12/2011						0.0032
10/19/2011	<0.01					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	<0.01					<0.01
10/3/2012		0.0018		0.0037	<0.01	
10/8/2012			<0.01			
4/2/2013						0.0038
4/3/2013		0.0014	<0.01	<0.01	<0.01	
4/10/2013	0.0014					
10/9/2013				<0.01	<0.01	0.003
10/15/2013		0.0018	<0.01			
10/16/2013	0.0014					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.0027
4/2/2014				0.0036	<0.01	
4/9/2014		0.0013 (J)	<0.01			
4/22/2014	0.0013					
10/1/2014	<0.01					
10/2/2014		<0.01	<0.01	0.016	<0.01	0.0027
3/30/2015	0.00079 (J)					
4/1/2015				<0.01	0.0026	0.0028
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	<0.01			<0.01	0.00065 (J)	
10/12/2015			<0.01			
10/14/2015						0.003
3/28/2016	<0.01					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	<0.01	0.00351 (J)
5/25/2016	<0.01					
5/26/2016		<0.01	<0.01	<0.01	<0.01	
5/27/2016						0.00332 (J)
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		0.003 (J)
8/4/2016					<0.01	
8/5/2016		<0.01				
9/26/2016	<0.01					
9/28/2016		<0.01	<0.01	<0.01	<0.01	
9/30/2016						0.0035 (J)
11/11/2016	<0.01					
11/22/2016		0.0006 (J)	<0.01	<0.01	<0.01	0.0027 (J)
1/30/2017	<0.01					
2/7/2017		0.0017 (J)	<0.01			
2/8/2017				<0.01	<0.01	
2/13/2017						0.003 (J)
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						0.0031 (J)
6/12/2017	<0.01					
6/14/2017		<0.01	<0.01			0.0031 (J)
6/15/2017				<0.01	<0.01	
10/2/2017	<0.01					
10/4/2017		<0.01	<0.01	<0.01	<0.01	0.0032 (J)
3/16/2018	<0.01					
3/20/2018		0.0021 (J)				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	0.0033 (J)
9/18/2018	<0.01	<0.01	<0.01	<0.01	<0.01	0.0031 (J)
3/19/2019	<0.01					
3/22/2019		0.0011 (J)	<0.01			
3/23/2019				<0.01	<0.01	0.0032 (J)
9/12/2019	<0.01					
9/17/2019		<0.01	<0.01	<0.01	<0.01	0.00305 (D)
3/11/2020	<0.01					
3/12/2020		0.0017 (J)	<0.01	<0.01	<0.01	0.0031 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	0.01	<0.01				
8/23/2007					<0.01	<0.01
8/24/2007			<0.01	<0.01		
10/25/2007						<0.01
11/1/2007	<0.01	<0.01				
11/2/2007			<0.01	<0.01	<0.01	
11/17/2007			0.0039		<0.01	
11/18/2007				<0.01		
11/19/2007	<0.01	<0.01				<0.01
1/15/2008			<0.01	0.0029	<0.01	
1/23/2008						0.0073
1/31/2008	0.0037	<0.01				
3/5/2008	<0.01	<0.01	0.005			
3/6/2008					<0.01	
3/10/2008				0.069 (o)		
3/11/2008						0.0025
5/7/2008		<0.01	<0.01		<0.01	
5/12/2008	<0.01					<0.01
5/13/2008				<0.01		
12/2/2008			0.011	0.0027	<0.01	
12/11/2008						<0.01
12/12/2008		0.0079				
12/13/2008	0.011					
4/15/2009						<0.01
4/16/2009			0.005			
4/28/2009	<0.01			<0.01	<0.01	
4/29/2009		<0.01				
10/9/2009						<0.01
10/19/2009					<0.01	
10/20/2009			0.0074	<0.01		
10/21/2009	<0.01	<0.01				
4/20/2010			<0.01			
4/27/2010				<0.01	<0.01	
4/28/2010	<0.01	<0.01				
5/4/2010						<0.01
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			<0.01		
10/6/2010		<0.01				
10/12/2010						<0.01
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	<0.01			<0.01		
4/20/2011		<0.01				
4/28/2011						<0.01
10/4/2011			<0.01			
10/12/2011		<0.01		<0.01	<0.01	
10/18/2011	<0.01					
10/19/2011						<0.01
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	<0.01	<0.01				
10/9/2012						0.0024
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						0.002
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						0.0023
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	<0.01	<0.01				
4/21/2014			<0.01	<0.01	<0.01	
4/23/2014						0.003
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						0.0034
3/31/2015		<0.01				0.00079 (J)
4/1/2015	<0.01					
4/3/2015			<0.01	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			<0.01		<0.01	
10/12/2015						0.00063 (J)
10/14/2015		<0.01				
10/15/2015	0.00051 (J)					
3/28/2016						<0.01
4/4/2016	<0.01	<0.01				
4/5/2016			<0.01	<0.01	<0.01	
5/25/2016						<0.01
5/31/2016	<0.01			<0.01	<0.01	
6/1/2016		<0.01	<0.01			
8/1/2016						0.0005 (J)
8/4/2016	<0.01				<0.01	
8/9/2016			0.0003 (J)			
9/27/2016						<0.01
9/29/2016	<0.01				<0.01	
11/11/2016						0.0006 (J)
11/23/2016				<0.01	<0.01	
11/28/2016	<0.01		<0.01			
1/31/2017						0.0007 (J)
2/9/2017	<0.01		<0.01			
2/10/2017				<0.01	<0.01	
2/22/2017		<0.01				
4/3/2017						0.0005 (J)
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	<0.01				0.0006 (J)	
6/12/2017						0.0004 (J)
6/14/2017			<0.01			
6/15/2017				<0.01	0.0004 (J)	
6/16/2017	<0.01	<0.01				
7/12/2017		<0.01	<0.01	<0.01		
7/26/2017				<0.01		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		<0.01				
8/10/2017		<0.01				
10/3/2017						0.0003 (J)
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	<0.01	
10/9/2017	<0.01					
3/19/2018						<0.01
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	<0.01		0.00058 (J)	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			<0.01	<0.01	<0.01	
9/18/2019	0.0005 (J)	<0.01				
3/13/2020	<0.01		<0.01	<0.01	<0.01	
3/16/2020						0.00031 (J)
3/17/2020		<0.01				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

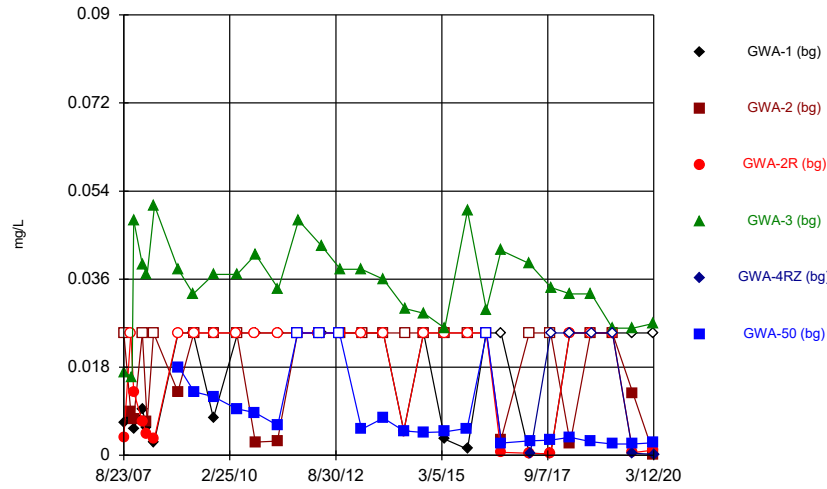
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	0.0038					
11/1/2007						<0.01
11/19/2007						0.0034
11/20/2007	<0.01					
1/15/2008						0.0067
1/23/2008	0.0047					
3/6/2008						0.13 (o)
3/11/2008	<0.01					
5/13/2008						<0.01
5/14/2008	<0.01					
12/11/2008	<0.01					
12/12/2008						0.0042
4/16/2009						0.0047
4/23/2009	<0.01					
10/9/2009	<0.01					
10/13/2009						0.0037
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	<0.01					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		0.0013
4/9/2014						0.0013 (J)
4/10/2014				0.0013 (J)		
4/14/2014	0.0013 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.00071 (J)					
4/1/2015	<0.01					
4/2/2015						0.00064 (J)
4/3/2015				<0.01		
5/26/2015		<0.01			0.0018	
6/18/2015		<0.01 (D)			0.0018 (D)	
7/2/2015		<0.01			0.0013	
10/8/2015				0.0014	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.0015 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

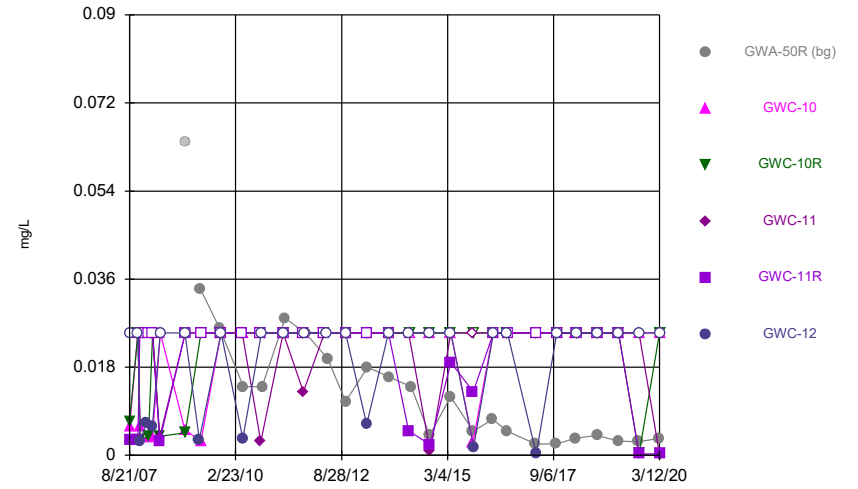
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
5/24/2016	<0.01	<0.01		<0.01		
5/25/2016					<0.01	
5/26/2016						<0.01
5/31/2016			<0.01 (o)			
8/1/2016	<0.01	<0.01				
8/2/2016			0.0018 (J)	<0.01	<0.01	
8/5/2016						<0.01
9/26/2016	<0.01	<0.01			<0.01	
9/27/2016			0.0011 (J)	<0.01		
9/28/2016						<0.01
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			0.0008 (J)		<0.01	<0.01
11/22/2016				<0.01		
2/1/2017	<0.01	<0.01	0.0008 (J)			
2/3/2017					<0.01	
2/6/2017				<0.01		<0.01
4/6/2017	<0.01	<0.01	0.0008 (J)	<0.01		<0.01
4/7/2017					<0.01	
6/13/2017	<0.01	<0.01	0.0007 (J)		<0.01	<0.01
6/14/2017				<0.01		
7/14/2017			0.0005 (J)			
10/3/2017	<0.01	<0.01	0.0007 (J)		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	0.00076 (J)		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			0.00055 (J)	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	0.00059 (J)			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			0.00099 (J)			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	0.00031 (J)	<0.01		0.00044 (J)
3/16/2020					<0.01	

Time Series



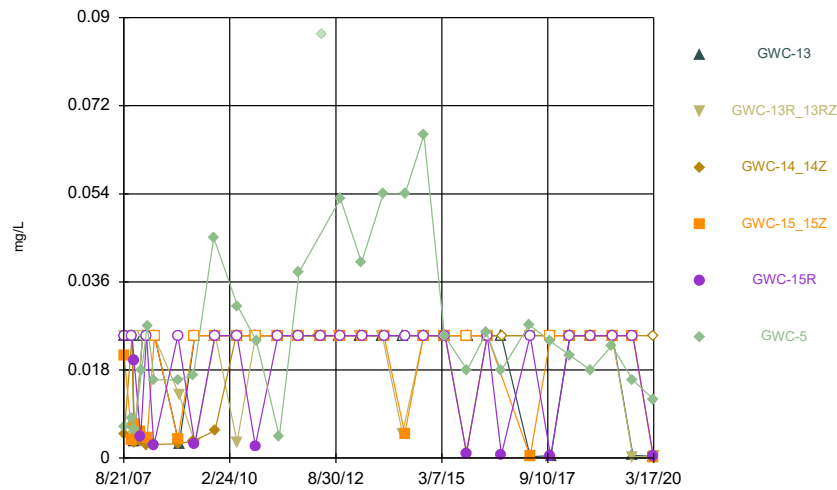
Constituent: Copper Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



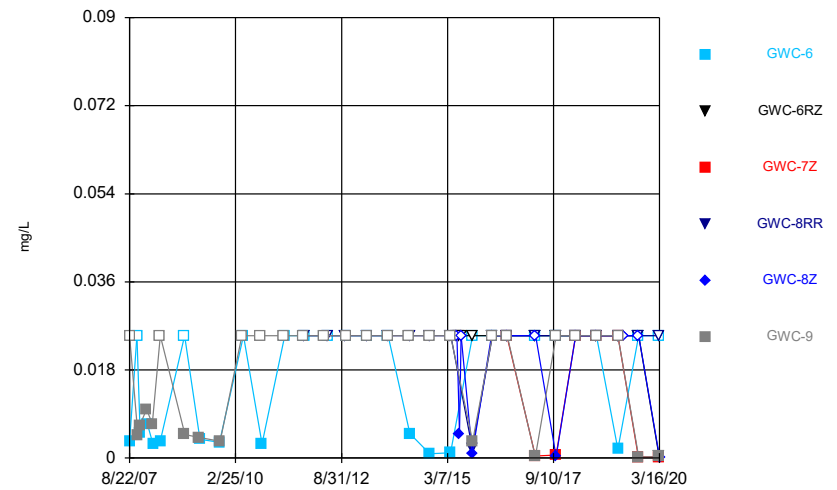
Constituent: Copper Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Copper Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Copper Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	0.0066	<0.025	0.0036	0.017		
10/23/2007	0.0076					
10/24/2007		0.0088	<0.025			
11/2/2007				0.016		
11/18/2007	0.0055 (J)	0.0075	0.013	0.048		
1/30/2008	0.0094					
1/31/2008		<0.025	0.0069	0.039		
3/10/2008	0.0056		0.0044			
3/11/2008		0.0068		0.037		
5/6/2008		<0.025				
5/13/2008	0.0027		0.0033			
5/14/2008				0.051		
12/4/2008		0.013	<0.025			
12/5/2008	<0.025			0.038		
12/12/2008						0.018
4/15/2009	<0.025			0.033		
4/21/2009		<0.025	<0.025			
4/23/2009						0.013
10/6/2009						0.012
10/7/2009	0.0076	<0.025				
10/8/2009			<0.025	0.037		
4/21/2010			<0.025			
4/26/2010		<0.025				
4/27/2010						0.0095
4/28/2010				0.037		
5/3/2010	<0.025					
9/28/2010			<0.025			
9/30/2010						0.0087
10/4/2010		0.0027				
10/6/2010				0.041		
10/12/2010	<0.025					
4/12/2011			<0.025			
4/13/2011		0.0029				
4/14/2011						0.0061
4/21/2011				0.034		
4/27/2011	<0.025					
10/4/2011			<0.025			
10/5/2011		<0.025				<0.025
10/13/2011				0.048		
10/17/2011	<0.025					
4/3/2012			<0.025			
4/11/2012		<0.025				<0.025
5/1/2012				0.0427		
5/2/2012	<0.025					
10/2/2012						<0.025
10/8/2012	<0.025					
10/9/2012		<0.025	<0.025	0.038		
4/9/2013						0.0053
4/11/2013			<0.025	0.038		
4/12/2013	<0.025					
4/15/2013		<0.025				
10/15/2013		<0.025				0.0076

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.025		<0.025	0.036		
4/10/2014			0.005 (J)			0.005
4/11/2014	0.005 (J)					
4/22/2014		<0.025				
4/23/2014				0.03		
9/30/2014	<0.025	<0.025	<0.025			
10/1/2014						0.0047 (J)
10/4/2014				0.029		
3/30/2015	0.0033 (J)	<0.025	<0.025			0.0048 (J)
3/31/2015				0.026		
10/11/2015						0.0055
10/12/2015				0.05		
10/13/2015	0.0013 (J)	<0.025	<0.025			
3/22/2016	<0.025					
3/23/2016		<0.025	<0.025	0.0297		
3/28/2016						<0.025
7/29/2016	<0.025	0.0032 (J)	0.0006 (J)	0.0419		
8/1/2016						0.0025 (J)
3/30/2017	0.0004 (J)	<0.025		0.0392		
4/3/2017			0.0004 (J)			
4/7/2017					0.0004 (J)	0.003 (J)
10/2/2017	0.0003 (J)	<0.025	0.0003 (J)			0.0031 (J)
10/3/2017					<0.025	
10/4/2017				0.0343		
3/16/2018	<0.025		<0.025			0.0037 (J)
3/19/2018		0.0025 (J)		0.033		
3/21/2018					<0.025	
9/14/2018		<0.025	<0.025			
9/17/2018	<0.025 (D)			0.033		0.0028 (J)
9/18/2018					<0.025	
3/19/2019			<0.025			0.0023 (J)
3/20/2019	<0.025	<0.025		0.026		
3/21/2019					<0.025	
9/12/2019	<0.025	0.01273 (D)			0.00045 (J)	
9/13/2019			0.00055 (J)	0.026		0.0023 (J)
3/11/2020	<0.025	0.0002 (J)	0.0011 (J)	0.027		0.0026 (J)
3/12/2020					0.0002 (J)	

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		0.0058	0.007	<0.025	0.0032	<0.025
11/1/2007		<0.025	<0.025	<0.025	0.0031	<0.025
11/18/2007				<0.025	<0.025	
11/19/2007						0.0029
11/20/2007		0.006	0.0032			
1/16/2008						0.0067
1/30/2008		0.0037	0.0039	<0.025	<0.025	
3/5/2008				<0.025		0.0058
3/6/2008		0.004	<0.025		<0.025	
5/7/2008				0.0037	0.0029	
5/8/2008			0.0039			
5/12/2008		<0.025				
5/13/2008						<0.025
12/12/2008	0.064 (O)					
12/13/2008		0.0051				<0.025
12/14/2008			0.0046	<0.025	<0.025	
4/16/2009						0.0032
4/23/2009	0.034					
4/29/2009		0.003	<0.025	<0.025	<0.025	
10/6/2009	0.026					
10/20/2009		<0.025				
10/21/2009			<0.025			<0.025
10/22/2009				<0.025	<0.025	
4/21/2010			<0.025	<0.025	<0.025	
4/26/2010		<0.025				
4/27/2010						0.0034
5/3/2010	0.014					
9/28/2010			<0.025	0.0028		
9/29/2010		<0.025			<0.025	
10/5/2010						<0.025
10/11/2010	0.014					
4/12/2011			<0.025	<0.025		
4/13/2011		<0.025			<0.025	
4/19/2011						<0.025
4/27/2011	0.028					
10/4/2011			<0.025	0.013	<0.025	
10/5/2011		<0.025				
10/12/2011						<0.025
10/19/2011	<0.025					
4/3/2012			<0.025	<0.025		
4/4/2012		<0.025			<0.025	
4/24/2012						<0.025
5/1/2012	0.0198					
10/2/2012	0.011					<0.025
10/3/2012		<0.025		<0.025	<0.025	
10/8/2012			<0.025			
4/2/2013						0.0063
4/3/2013		<0.025	<0.025	<0.025	<0.025	
4/10/2013	0.018					
10/9/2013				<0.025	<0.025	<0.025
10/15/2013		<0.025	<0.025			
10/16/2013	0.016					

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.025
4/2/2014				<0.025	0.005 (J)	
4/9/2014		<0.025	<0.025			
4/22/2014	0.014					
10/1/2014	0.0041 (J)					
10/2/2014		<0.025	<0.025	0.00084 (J)	0.0022 (J)	<0.025
3/30/2015	0.012					
4/1/2015				<0.025	0.019	<0.025
4/2/2015		<0.025	<0.025			
10/10/2015		0.0027 (J)				
10/11/2015	0.0049 (J)			<0.025	0.013	
10/12/2015			<0.025			
10/14/2015						0.0017 (J)
3/28/2016	0.00734 (J)					
3/31/2016		<0.025	<0.025			
4/4/2016				<0.025	<0.025	<0.025
8/1/2016	0.0049 (J)					
8/3/2016			<0.025	<0.025		<0.025
8/4/2016					<0.025	
8/5/2016		<0.025				
4/3/2017	0.0023 (J)					
4/10/2017		<0.025	<0.025	<0.025	<0.025	
4/11/2017						0.0003 (J)
10/2/2017	0.0023 (J)					
10/4/2017		<0.025	<0.025	<0.025	<0.025	<0.025
3/16/2018	0.0035 (J)					
3/20/2018		<0.025				
3/21/2018			<0.025	<0.025		
3/22/2018					<0.025	<0.025
9/18/2018	0.0041 (J)	<0.025	<0.025	<0.025	<0.025	<0.025
3/19/2019	0.0029 (J)					
3/22/2019		<0.025	<0.025			
3/23/2019				<0.025	<0.025	<0.025
9/12/2019	0.0028 (J)					
9/17/2019		<0.025	0.00029 (J)	<0.025	0.00031 (J)	<0.025 (D)
3/11/2020	0.0035 (J)					
3/12/2020		<0.025	<0.025	0.00023 (J)	0.00032 (J)	<0.025

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.025	<0.025				
8/23/2007					<0.025	0.0064
8/24/2007			0.0048 (J)	0.021		
10/25/2007						0.0081
11/1/2007	<0.025	<0.025				
11/2/2007			<0.025	0.0037	<0.025	
11/17/2007			0.0031		0.02	
11/18/2007				0.007 (J)		
11/19/2007	0.0035	0.0043				0.0059
1/15/2008			0.0033	0.0055	0.0043	
1/23/2008						0.018
1/31/2008	<0.025	<0.025				
3/5/2008	<0.025	<0.025	0.0026			
3/6/2008					<0.025	
3/10/2008				0.0042		
3/11/2008						0.027
5/7/2008		<0.025	0.0028		0.0026	
5/12/2008	<0.025					0.016
5/13/2008				<0.025		
12/2/2008			0.0029	0.0039	<0.025	
12/11/2008						0.016
12/12/2008		0.013				
12/13/2008	0.0028					
4/15/2009						0.017
4/16/2009			0.0035			
4/28/2009	<0.025			<0.025	0.003	
4/29/2009		0.0029				
10/9/2009						0.045
10/19/2009					<0.025	
10/20/2009			0.0056	<0.025		
10/21/2009	<0.025	<0.025				
4/20/2010			<0.025			
4/27/2010				<0.025	<0.025	
4/28/2010	<0.025	0.0032				
5/4/2010						0.031
9/29/2010			<0.025			
10/4/2010					0.0025	
10/5/2010	<0.025			<0.025		
10/6/2010		<0.025				
10/12/2010						0.024
4/12/2011			<0.025			
4/18/2011					<0.025	
4/19/2011	<0.025			<0.025		
4/20/2011		<0.025				
4/28/2011						0.0044
10/4/2011			<0.025			
10/12/2011		<0.025		<0.025	<0.025	
10/18/2011	<0.025					
10/19/2011						0.038
4/4/2012			<0.025			
4/23/2012					<0.025	
4/25/2012	<0.025	<0.025		<0.025		

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						0.0865 (O)
10/2/2012	<0.025	<0.025				
10/9/2012						0.053
10/10/2012			<0.025	<0.025	<0.025	
4/2/2013	<0.025	<0.025				
4/11/2013						0.04
4/15/2013			<0.025		<0.025	
4/16/2013				<0.025		
10/8/2013	<0.025	<0.025				
10/16/2013						0.054
10/22/2013			<0.025	<0.025	<0.025	
4/1/2014	<0.025	0.005 (J)				
4/21/2014			<0.025	0.005 (J)	<0.025	
4/23/2014						0.054
9/30/2014			<0.025	<0.025	<0.025	
10/1/2014	<0.025	<0.025				
10/3/2014						0.066
3/31/2015		<0.025				0.025
4/1/2015	<0.025					
4/3/2015			<0.025	<0.025	<0.025	
10/6/2015				<0.025		
10/7/2015			0.0012 (J)		0.00093 (J)	
10/12/2015						0.018
10/14/2015		<0.025				
10/15/2015	<0.025					
3/28/2016						0.0256
4/4/2016	<0.025	<0.025				
4/5/2016			<0.025	<0.025	<0.025	
8/1/2016						0.0178 (J)
8/4/2016	<0.025				0.0007 (J)	
8/9/2016			<0.025			
4/3/2017						0.0272
4/11/2017		<0.025	<0.025	0.0003 (J)		
4/12/2017	0.0003 (J)				<0.025	
10/3/2017						0.0239 (J)
10/5/2017			<0.025			
10/6/2017		<0.025		<0.025	0.0003 (J)	
10/9/2017	0.0005 (J)					
3/19/2018						0.021 (J)
3/21/2018	<0.025					
3/22/2018			<0.025			
3/23/2018		<0.025		<0.025	<0.025	
9/17/2018						0.018 (J)
9/19/2018	<0.025		<0.025	<0.025	<0.025	
9/20/2018		<0.025				
3/20/2019						0.023 (J)
3/22/2019		<0.025	<0.025	<0.025		
3/23/2019	<0.025					
3/25/2019					<0.025	
9/16/2019						0.016 (J)
9/17/2019			<0.025	<0.025	<0.025	
9/18/2019	0.00057 (J)	0.00021 (X)				

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/13/2020	0.00033 (J)		<0.025	0.0002 (J)	0.00029 (J)	
3/16/2020						0.012 (J)
3/17/2020		0.00045 (J)				

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

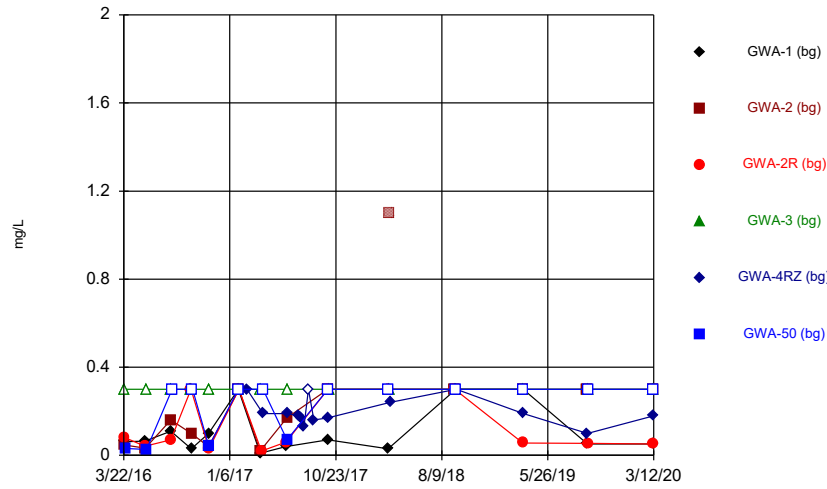
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.0033					
8/23/2007						<0.025
10/25/2007	<0.025					
11/1/2007						0.0047
11/19/2007						0.0067 (J)
11/20/2007	0.0052					
1/15/2008						0.01
1/23/2008	0.0069					
3/6/2008						0.007
3/11/2008	0.0029					
5/13/2008						<0.025
5/14/2008	0.0035					
12/11/2008	<0.025					
12/12/2008						0.0048
4/16/2009						0.0042
4/23/2009	0.0038					
10/9/2009	0.0032					
10/13/2009						0.0034
4/21/2010						<0.025
5/4/2010	<0.025					
9/29/2010						<0.025
10/11/2010	0.0029					
4/13/2011						<0.025
4/26/2011	<0.025					
10/5/2011						<0.025
10/18/2011	<0.025			<0.025		
4/4/2012						<0.025
4/30/2012				<0.025		
5/2/2012	<0.025					
10/3/2012				<0.025		
10/8/2012	<0.025					<0.025
4/8/2013				<0.025		<0.025
4/10/2013	<0.025					
10/8/2013	<0.025					
10/9/2013				<0.025		<0.025
4/9/2014						<0.025
4/10/2014				<0.025		
4/14/2014	0.005 (J)					
9/30/2014						<0.025
10/2/2014				<0.025		
10/3/2014	0.00091 (J)					
4/1/2015	0.0011 (J)					
4/2/2015						<0.025
4/3/2015				<0.025		
5/26/2015		<0.025			<0.025	
6/18/2015		<0.025 (D)			0.005 (D)	
7/2/2015		<0.025			<0.025	
10/8/2015				0.002 (J)	0.00091 (J)	
10/9/2015	<0.025	<0.025				
10/10/2015						0.00345 (D)
3/22/2016					<0.025	
3/29/2016	<0.025	<0.025				

Time Series

Constituent: Copper (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

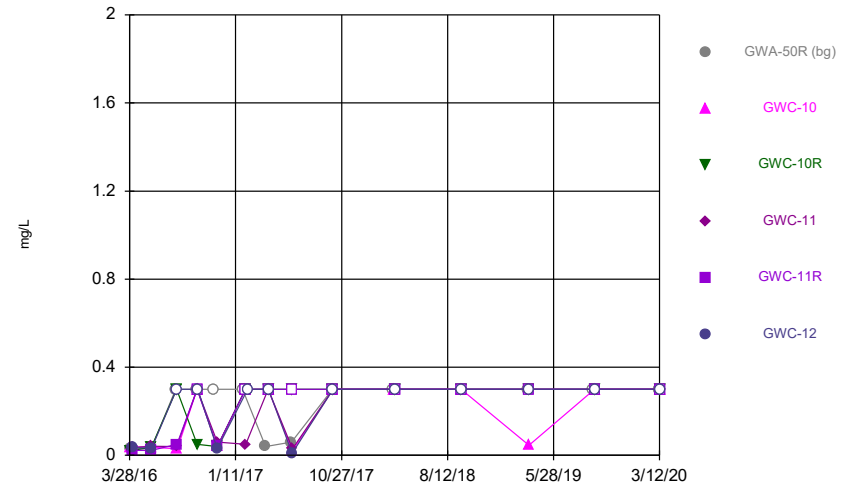
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.025		<0.025
8/1/2016	<0.025	<0.025				
8/2/2016			<0.025	<0.025	<0.025	
8/5/2016						<0.025
4/6/2017	<0.025	<0.025	0.0004 (J)	<0.025		0.0003 (J)
4/7/2017					<0.025	
10/3/2017	<0.025	<0.025	0.0006 (J)		0.0003 (J)	<0.025
10/4/2017				<0.025		
3/19/2018	<0.025					
3/20/2018		<0.025	<0.025		<0.025	<0.025
3/21/2018				<0.025		
9/17/2018	<0.025	<0.025				
9/18/2018			<0.025	<0.025	<0.025	<0.025 (D)
3/21/2019	0.0018 (J)	<0.025	<0.025			<0.025
3/27/2019				<0.025		
5/6/2019					<0.025	
9/13/2019			0.00025 (J)			
9/16/2019	<0.025	<0.025		<0.025 (D)	<0.025	0.00021 (J)
3/12/2020	<0.025	0.00028 (J)	0.00021 (J)	<0.025		0.00031 (J)
3/16/2020					0.00024 (J)	

Time Series



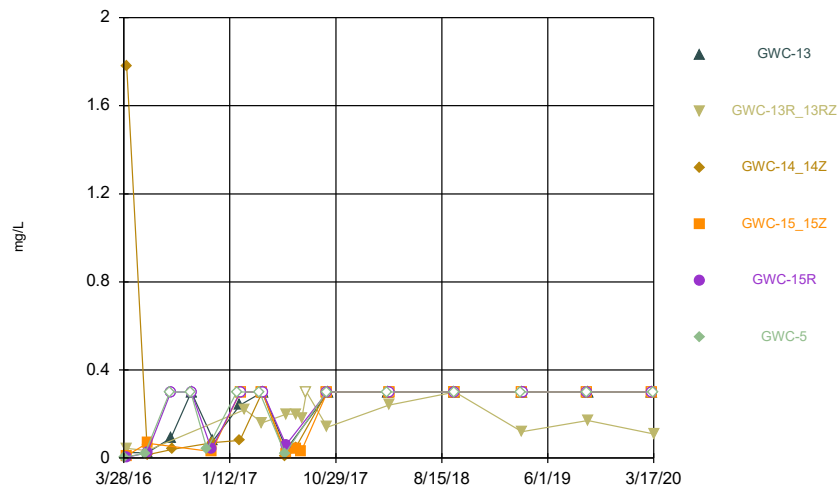
Constituent: Fluoride Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



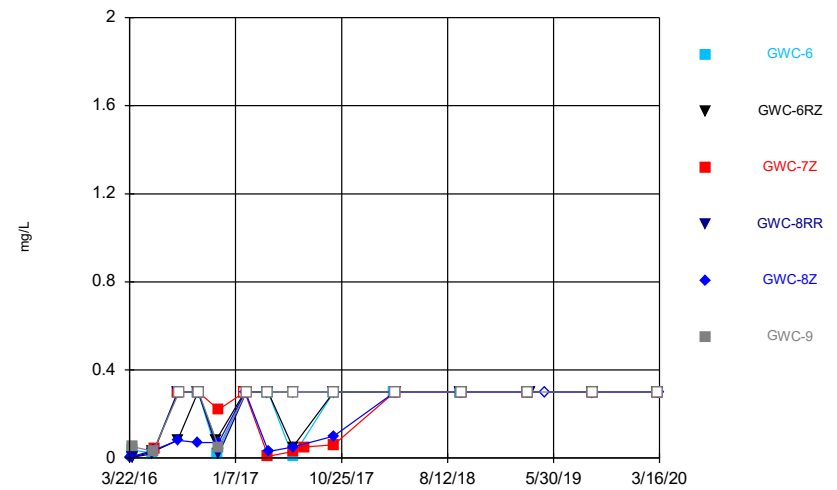
Constituent: Fluoride Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Fluoride Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Fluoride Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	0.0614 (J)					
3/23/2016		0.0477 (J)	0.0826 (J)	<0.3		
3/28/2016						0.0314 (J)
5/19/2016	0.064 (J)		0.0409 (J)			
5/20/2016		0.033 (J)				
5/23/2016				<0.3		0.027 (J)
7/29/2016	0.11 (J)	0.16 (J)	0.07 (J)	<0.3		
8/1/2016						<0.3
9/22/2016			<0.3	<0.3		
9/23/2016	0.03 (J)	0.1 (J)				
9/26/2016						<0.3
11/9/2016	0.1 (J)	0.04 (J)				
11/10/2016			0.03 (J)	<0.3		0.04 (J)
1/30/2017	<0.3					<0.3
1/31/2017		<0.3	<0.3	<0.3		
2/22/2017					0.3	
3/30/2017	0.01 (J)	0.02 (J)		<0.3		
4/3/2017			0.02 (J)			
4/7/2017					0.19 (J)	<0.3
6/9/2017	0.04 (J)		0.06 (J)			
6/12/2017		0.17 (J)		<0.3		0.07 (J)
6/14/2017					0.19 (J)	
7/12/2017					0.18 (J)	
7/20/2017					0.17 (J)	
7/28/2017					0.13 (J)	
8/9/2017					<0.3	
8/24/2017					0.16 (J)	
10/2/2017	0.07 (J)	<0.3	<0.3			<0.3
10/3/2017					0.17 (J)	
10/4/2017				<0.3		
3/16/2018	0.029 (J)		<0.3			<0.3
3/19/2018		1.1 (o)		<0.3		
3/21/2018					0.24 (J)	
9/14/2018		<0.3	<0.3			
9/17/2018	<0.3 (D)			<0.3		<0.3
9/18/2018					<0.3	
3/19/2019			0.056 (J)			<0.3
3/20/2019	<0.3	<0.3		<0.3		
3/21/2019					0.19 (J)	
9/12/2019	0.051 (J)	<0.3 (D)			0.1 (J)	
9/13/2019			0.055 (J)	<0.3		<0.3
3/11/2020	0.052 (J)	<0.3	0.052 (J)	<0.3		<0.3
3/12/2020					0.18 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	0.0326 (J)					
3/31/2016		0.0389 (J)	0.0209 (J)			
4/4/2016				0.0357 (J)	0.022 (J)	0.035 (J)
5/25/2016	0.0285 (J)					
5/26/2016		0.0375 (J)	0.037 (J)	0.042 (J)	0.023 (J)	
5/27/2016						0.032 (J)
8/1/2016	<0.3					
8/3/2016			<0.3	0.04 (J)		<0.3
8/4/2016					0.05 (J)	
8/5/2016		0.03 (J)				
9/26/2016	<0.3					
9/28/2016		<0.3	0.05 (J)	<0.3	<0.3	
9/30/2016						<0.3
11/11/2016	<0.3					
11/22/2016		0.04 (J)	0.04 (J)	0.06 (J)	0.04 (J)	0.03 (J)
1/30/2017	<0.3					
2/7/2017		<0.3	<0.3			
2/8/2017				0.05 (J)	<0.3	
2/13/2017						<0.3
4/3/2017	0.04 (J)					
4/10/2017		<0.3	<0.3	<0.3	<0.3	
4/11/2017						<0.3
6/12/2017	0.06 (J)					
6/14/2017		0.02 (J)	<0.3			0.01 (J)
6/15/2017				0.03 (J)	<0.3	
10/2/2017	<0.3					
10/4/2017		<0.3	<0.3	<0.3	<0.3	<0.3
3/16/2018	<0.3					
3/20/2018		<0.3				
3/21/2018			<0.3	<0.3		
3/22/2018					<0.3	<0.3
9/18/2018	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
3/19/2019	<0.3					
3/22/2019		0.045 (J)	<0.3			
3/23/2019				<0.3	<0.3	<0.3
9/12/2019	<0.3					
9/17/2019		<0.3	<0.3	<0.3	<0.3	<0.3 (D)
3/11/2020	<0.3					
3/12/2020		<0.3	<0.3	<0.3	<0.3	<0.3

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

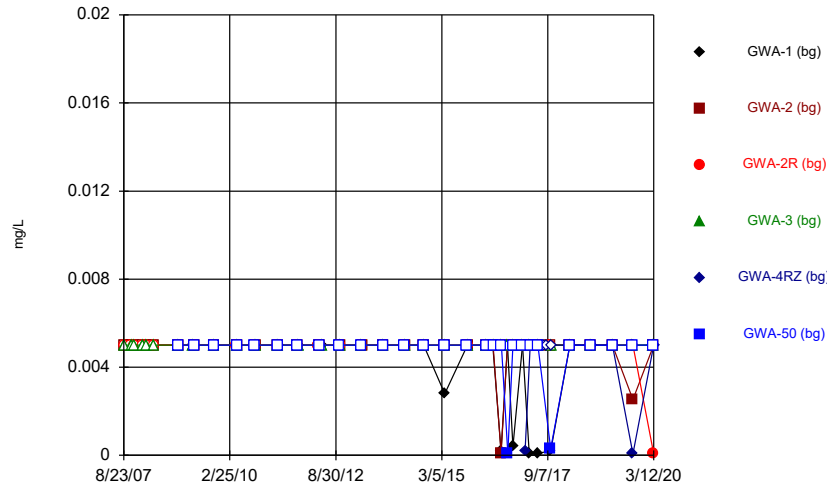
Date	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/28/2016						0.00421 (J)
4/4/2016	0.026 (J)	0.044 (J)				
4/5/2016			1.78243 (J)	0.011 (J)	0.00288 (J)	
5/25/2016						0.0207 (J)
5/31/2016	0.0234 (J)			0.0669 (J)	0.0233 (J)	
6/1/2016		0.0338 (J)	0.0148 (J)			
8/1/2016						<0.3
8/4/2016	0.09 (J)				<0.3	
8/9/2016			0.04 (J)			
9/27/2016						<0.3
9/29/2016	<0.3				<0.3	
11/11/2016						0.04 (J)
11/23/2016				0.03 (J)	0.04 (J)	
11/28/2016	0.08 (J)		0.07 (J)			
1/31/2017						<0.3
2/9/2017	0.24 (J)		0.08 (J)			
2/10/2017				<0.3	<0.3	
2/22/2017		0.22 (J)				
4/3/2017						<0.3
4/11/2017		0.16 (J)	<0.3	<0.3		
4/12/2017	<0.3				<0.3	
6/12/2017						0.02 (J)
6/14/2017			0.01 (J)			
6/15/2017				0.02 (J)	0.06 (J)	
6/16/2017	0.04 (J)	0.2 (J)				
7/12/2017		0.2 (J)	0.05 (J)	0.04 (J)		
7/26/2017				0.03 (J)		
7/28/2017		0.18 (J)				
8/10/2017		<0.3				
10/3/2017						<0.3
10/5/2017			<0.3			
10/6/2017		0.14 (J)		<0.3	<0.3	
10/9/2017	<0.3					
3/19/2018						<0.3
3/21/2018	<0.3					
3/22/2018			<0.3			
3/23/2018		0.24 (J)		<0.3	<0.3	
9/17/2018						<0.3
9/19/2018	<0.3		<0.3	<0.3	<0.3	
9/20/2018		<0.3				
3/20/2019						<0.3
3/22/2019		0.12 (J)	<0.3	<0.3		
3/23/2019	<0.3					
3/25/2019					<0.3	
9/16/2019						<0.3
9/17/2019			<0.3	<0.3	<0.3	
9/18/2019	<0.3	0.17 (X)				
3/13/2020	<0.3		<0.3	<0.3	<0.3	
3/16/2020						<0.3
3/17/2020		0.11 (J)				

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

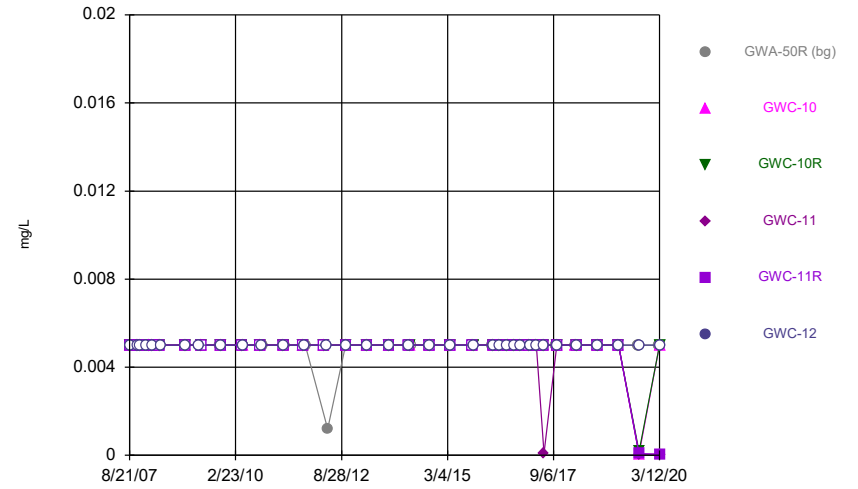
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					0.00323 (J)	
3/29/2016	0.0376 (J)	0.00363 (J)				
3/30/2016				0.00345 (J)		0.0518 (J)
5/24/2016	0.023 (J)	0.0286 (J)		0.019 (J)		
5/25/2016					0.0345 (J)	
5/26/2016						0.0307 (J)
5/31/2016			0.043 (J)			
8/1/2016	<0.3	0.08 (J)				
8/2/2016			<0.3	<0.3	0.08 (J)	
8/5/2016						<0.3
9/26/2016	<0.3	<0.3			0.07 (J)	
9/27/2016			<0.3	<0.3		
9/28/2016						<0.3
11/14/2016		0.08 (J)				
11/18/2016	0.02 (J)					
11/21/2016			0.22 (J)		0.07 (J)	0.05 (J)
11/22/2016				0.02 (J)		
2/1/2017	<0.3	<0.3	<0.3			
2/3/2017					<0.3	
2/6/2017				<0.3		<0.3
4/6/2017	<0.3	<0.3	0.008 (J)	<0.3		<0.3
4/7/2017					0.03 (J)	
6/13/2017	0.006 (J)	0.05 (J)	0.03 (J)		0.05 (J)	<0.3
6/14/2017				<0.3		
7/14/2017			0.05 (J)			
10/3/2017	<0.3	<0.3	0.06 (J)		0.1 (J)	<0.3
10/4/2017				<0.3		
3/19/2018	<0.3					
3/20/2018		<0.3	<0.3		<0.3	<0.3
3/21/2018				<0.3		
9/17/2018	<0.3	<0.3				
9/18/2018			<0.3	<0.3	<0.3	<0.3 (D)
3/21/2019	<0.3	<0.3	<0.3			<0.3
3/27/2019				<0.3		
5/6/2019					<0.3	
9/13/2019			<0.3			
9/16/2019	<0.3	<0.3		<0.3 (D)	<0.3	<0.3
3/12/2020	<0.3	<0.3	<0.3	<0.3		<0.3
3/16/2020					<0.3	

Time Series



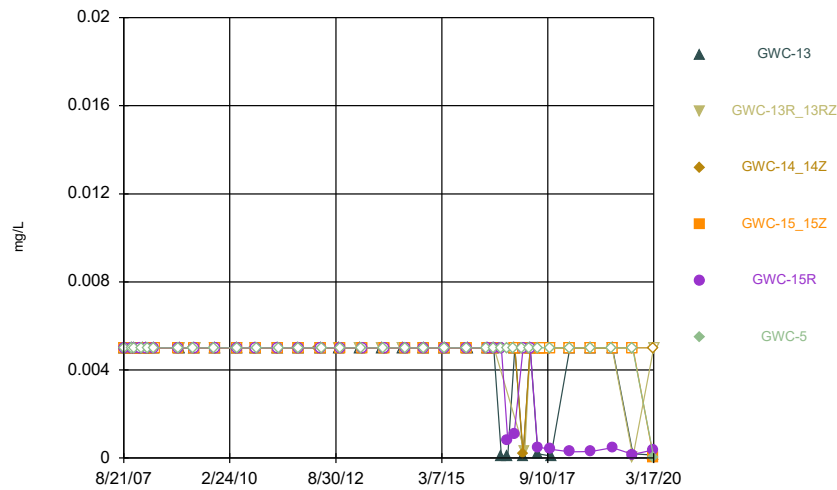
Constituent: Lead Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



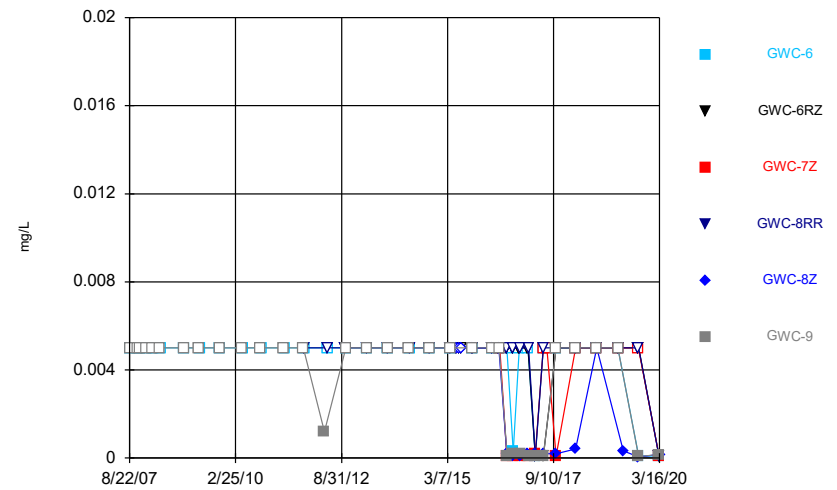
Constituent: Lead Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Lead Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Lead Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.005	<0.005	<0.005	<0.005		
10/23/2007	<0.005					
10/24/2007		<0.005	<0.005			
11/2/2007				<0.005		
11/18/2007	<0.005	<0.005	<0.005	<0.005		
1/30/2008	<0.005					
1/31/2008		<0.005	<0.005	<0.005		
3/10/2008	<0.005		<0.005			
3/11/2008		<0.005		<0.005		
5/6/2008		<0.005				
5/13/2008	<0.005		<0.005			
5/14/2008				<0.005		
12/4/2008		<0.005	<0.005			
12/5/2008	<0.005			<0.005		
12/12/2008						<0.005
4/15/2009	<0.005			<0.005		
4/21/2009		<0.005	<0.005			
4/23/2009						<0.005
10/6/2009						<0.005
10/7/2009	<0.005	<0.005				
10/8/2009			<0.005	<0.005		
4/21/2010			<0.005			
4/26/2010		<0.005				
4/27/2010						<0.005
4/28/2010				<0.005		
5/3/2010	<0.005					
9/28/2010			<0.005			
9/30/2010						<0.005
10/4/2010		<0.005				
10/6/2010				<0.005		
10/12/2010	<0.005					
4/12/2011			<0.005			
4/13/2011		<0.005				
4/14/2011						<0.005
4/21/2011				<0.005		
4/27/2011	<0.005					
10/4/2011			<0.005			
10/5/2011		<0.005				<0.005
10/13/2011				<0.005		
10/17/2011	<0.005					
4/3/2012			<0.005			
4/11/2012		<0.005				<0.005
5/1/2012				<0.005		
5/2/2012	<0.005					
10/2/2012						<0.005
10/8/2012	<0.005					
10/9/2012		<0.005	<0.005	<0.005		
4/9/2013						<0.005
4/11/2013			<0.005	<0.005		
4/12/2013	<0.005					
4/15/2013		<0.005				
10/15/2013		<0.005				<0.005

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.005		<0.005	<0.005		
4/10/2014			<0.005			<0.005
4/11/2014	<0.005					
4/22/2014		<0.005				
4/23/2014				<0.005		
9/30/2014	<0.005	<0.005	<0.005			
10/1/2014						<0.005
10/4/2014				<0.005		
3/30/2015	0.0028 (J)	<0.005	<0.005			<0.005
3/31/2015				<0.005		
10/11/2015						<0.005
10/12/2015				<0.005		
10/13/2015	<0.005	<0.005	<0.005			
3/22/2016	<0.005					
3/23/2016		<0.005	<0.005	<0.005		
3/28/2016						<0.005
5/19/2016	<0.005		<0.005			
5/20/2016		<0.005				
5/23/2016				<0.005		<0.005
7/29/2016	0.0002 (J)	0.0001 (J)	<0.005	<0.005		
8/1/2016						<0.005
9/22/2016			<0.005	<0.005		
9/23/2016	<0.005	<0.005				
9/26/2016						0.0001 (J)
11/9/2016	0.0004 (J)	<0.005				
11/10/2016			<0.005	<0.005		<0.005
1/30/2017	<0.005					<0.005
1/31/2017		<0.005	<0.005	<0.005		
2/22/2017					0.0002 (J)	
3/30/2017	8E-05 (J)	<0.005		<0.005		
4/3/2017			<0.005			
4/7/2017					<0.005	<0.005
6/9/2017	0.0001 (J)		<0.005			
6/12/2017		<0.005		<0.005		<0.005
6/14/2017					<0.005	
7/12/2017					<0.005	
7/20/2017					<0.005	
7/28/2017					<0.005	
8/9/2017					<0.005	
8/24/2017					<0.005	
10/2/2017	0.0002 (J)	<0.005	<0.005			0.0003 (J)
10/3/2017					<0.005	
10/4/2017				<0.005		
3/16/2018	<0.005		<0.005			<0.005
3/19/2018		<0.005		<0.005		
3/21/2018					<0.005	
9/14/2018		<0.005	<0.005			
9/17/2018	<0.005 (D)			<0.005		<0.005
9/18/2018					<0.005	
3/19/2019			<0.005			<0.005
3/20/2019	<0.005	<0.005		<0.005		
3/21/2019					<0.005	

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.005	0.002536 (D)			6.5E-05 (J)	
9/13/2019			<0.005	<0.005		<0.005
3/11/2020	<0.005	<0.005	5.8E-05 (J)	<0.005		<0.005
3/12/2020					<0.005	

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005	
11/19/2007						<0.005
11/20/2007		<0.005	<0.005			
1/16/2008						<0.005
1/30/2008		<0.005	<0.005	<0.005	<0.005	
3/5/2008				<0.005		<0.005
3/6/2008		<0.005	<0.005		<0.005	
5/7/2008				<0.005	<0.005	
5/8/2008			<0.005			
5/12/2008		<0.005				
5/13/2008						<0.005
12/12/2008	<0.005					
12/13/2008		<0.005				<0.005
12/14/2008			<0.005	<0.005	<0.005	
4/16/2009						<0.005
4/23/2009	<0.005					
4/29/2009		<0.005	<0.005	<0.005	<0.005	
10/6/2009	<0.005					
10/20/2009		<0.005				
10/21/2009			<0.005			<0.005
10/22/2009				<0.005	<0.005	
4/21/2010			<0.005	<0.005	<0.005	
4/26/2010		<0.005				
4/27/2010						<0.005
5/3/2010	<0.005					
9/28/2010			<0.005	<0.005		
9/29/2010		<0.005			<0.005	
10/5/2010						<0.005
10/11/2010	<0.005					
4/12/2011			<0.005	<0.005		
4/13/2011		<0.005			<0.005	
4/19/2011						<0.005
4/27/2011	<0.005					
10/4/2011			<0.005	<0.005	<0.005	
10/5/2011		<0.005				
10/12/2011						<0.005
10/19/2011	<0.005					
4/3/2012			<0.005	<0.005		
4/4/2012		<0.005			<0.005	
4/24/2012						<0.005
5/1/2012	0.0012					
10/2/2012	<0.005					<0.005
10/3/2012		<0.005		<0.005	<0.005	
10/8/2012			<0.005			
4/2/2013						<0.005
4/3/2013		<0.005	<0.005	<0.005	<0.005	
4/10/2013	<0.005					
10/9/2013				<0.005	<0.005	<0.005
10/15/2013		<0.005	<0.005			
10/16/2013	<0.005					

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.005
4/2/2014				<0.005	<0.005	
4/9/2014		<0.005	<0.005			
4/22/2014	<0.005					
10/1/2014	<0.005					
10/2/2014		<0.005	<0.005	<0.005	<0.005	<0.005
3/30/2015	<0.005					
4/1/2015				<0.005	<0.005	<0.005
4/2/2015		<0.005	<0.005			
10/10/2015		<0.005				
10/11/2015	<0.005			<0.005	<0.005	
10/12/2015			<0.005			
10/14/2015						<0.005
3/28/2016	<0.005					
3/31/2016		<0.005	<0.005			
4/4/2016				<0.005	<0.005	<0.005
5/25/2016	<0.005					
5/26/2016		<0.005	<0.005	<0.005	<0.005	
5/27/2016						<0.005
8/1/2016	<0.005					
8/3/2016			<0.005	<0.005		<0.005
8/4/2016					<0.005	
8/5/2016		<0.005				
9/26/2016	<0.005					
9/28/2016		<0.005	<0.005	<0.005	<0.005	
9/30/2016						<0.005
11/11/2016	<0.005					
11/22/2016		<0.005	<0.005	<0.005	<0.005	<0.005
1/30/2017	<0.005					
2/7/2017		<0.005	<0.005			
2/8/2017				<0.005	<0.005	
2/13/2017						<0.005
4/3/2017	<0.005					
4/10/2017		<0.005	<0.005	<0.005	<0.005	
4/11/2017						<0.005
6/12/2017	<0.005					
6/14/2017		<0.005	<0.005			<0.005
6/15/2017				9E-05 (J)	<0.005	
10/2/2017	<0.005					
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005
3/16/2018	<0.005					
3/20/2018		<0.005				
3/21/2018			<0.005	<0.005		
3/22/2018					<0.005	<0.005
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2019	<0.005					
3/22/2019		<0.005	<0.005			
3/23/2019				<0.005	<0.005	<0.005
9/12/2019	<0.005					
9/17/2019		4.7E-05 (J)	0.00017 (J)	4.6E-05 (J)	8.2E-05 (J)	<0.005 (D)
3/11/2020	<0.005					
3/12/2020		<0.005	<0.005	5.2E-05 (J)	4.6E-05 (J)	<0.005

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.005	<0.005				
8/23/2007					<0.005	<0.005
8/24/2007			<0.005	<0.005		
10/25/2007						<0.005
11/1/2007	<0.005	<0.005				
11/2/2007			<0.005	<0.005	<0.005	
11/17/2007			<0.005		<0.005	
11/18/2007				<0.005		
11/19/2007	<0.005	<0.005				<0.005
1/15/2008			<0.005	<0.005	<0.005	
1/23/2008						<0.005
1/31/2008	<0.005	<0.005				
3/5/2008	<0.005	<0.005	<0.005			
3/6/2008					<0.005	
3/10/2008				<0.005		
3/11/2008						<0.005
5/7/2008		<0.005	<0.005		<0.005	
5/12/2008	<0.005					<0.005
5/13/2008				<0.005		
12/2/2008			<0.005	<0.005	<0.005	
12/11/2008						<0.005
12/12/2008		<0.005				
12/13/2008	<0.005					
4/15/2009						<0.005
4/16/2009			<0.005			
4/28/2009	<0.005			<0.005	<0.005	
4/29/2009		<0.005				
10/9/2009						<0.005
10/19/2009					<0.005	
10/20/2009			<0.005	<0.005		
10/21/2009	<0.005	<0.005				
4/20/2010			<0.005			
4/27/2010				<0.005	<0.005	
4/28/2010	<0.005	<0.005				
5/4/2010						<0.005
9/29/2010			<0.005			
10/4/2010					<0.005	
10/5/2010	<0.005			<0.005		
10/6/2010		<0.005				
10/12/2010						<0.005
4/12/2011			<0.005			
4/18/2011					<0.005	
4/19/2011	<0.005			<0.005		
4/20/2011		<0.005				
4/28/2011						<0.005
10/4/2011			<0.005			
10/12/2011		<0.005		<0.005	<0.005	
10/18/2011	<0.005					
10/19/2011						<0.005
4/4/2012			<0.005			
4/23/2012					<0.005	
4/25/2012	<0.005	<0.005		<0.005		

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.005
10/2/2012	<0.005	<0.005				
10/9/2012						<0.005
10/10/2012			<0.005	<0.005	<0.005	
4/2/2013	<0.005	<0.005				
4/11/2013						<0.005
4/15/2013			<0.005		<0.005	
4/16/2013				<0.005		
10/8/2013	<0.005	<0.005				
10/16/2013						<0.005
10/22/2013			<0.005	<0.005	<0.005	
4/1/2014	<0.005	<0.005				
4/21/2014			<0.005	<0.005	<0.005	
4/23/2014						<0.005
9/30/2014			<0.005	<0.005	<0.005	
10/1/2014	<0.005	<0.005				
10/3/2014						<0.005
3/31/2015		<0.005				<0.005
4/1/2015	<0.005					
4/3/2015			<0.005	<0.005	<0.005	
10/6/2015				<0.005		
10/7/2015			<0.005		<0.005	
10/12/2015						<0.005
10/14/2015		<0.005				
10/15/2015	<0.005					
3/28/2016						<0.005
4/4/2016	<0.005	<0.005				
4/5/2016			<0.005	<0.005	<0.005	
5/25/2016						<0.005
5/31/2016	<0.005			<0.005	<0.005	
6/1/2016		<0.005	<0.005			
8/1/2016						<0.005
8/4/2016	0.0001 (J)				<0.005	
8/9/2016			<0.005			
9/27/2016						<0.005
9/29/2016	0.0001 (J)				0.0008 (J)	
11/11/2016						<0.005
11/23/2016				<0.005	0.0011 (J)	
11/28/2016	<0.005		<0.005			
1/31/2017						<0.005
2/9/2017	0.0001 (J)		0.0002 (J)			
2/10/2017				<0.005	<0.005	
2/22/2017		0.0003 (J)				
4/3/2017						<0.005
4/11/2017		<0.005	<0.005	<0.005		
4/12/2017	<0.005				<0.005	
6/12/2017						<0.005
6/14/2017			<0.005			
6/15/2017				<0.005	0.0005 (J)	
6/16/2017	0.0002 (J)	<0.005				
7/12/2017		<0.005	<0.005	<0.005		
7/26/2017				<0.005		

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		<0.005				
8/10/2017		<0.005				
10/3/2017						<0.005
10/5/2017			<0.005			
10/6/2017		<0.005		<0.005	0.0004 (J)	
10/9/2017	0.0001 (J)					
3/19/2018						<0.005
3/21/2018	<0.005					
3/22/2018			<0.005			
3/23/2018		<0.005		<0.005	0.00028 (J)	
9/17/2018						<0.005
9/19/2018	<0.005		<0.005	<0.005	0.00029 (J)	
9/20/2018		<0.005				
3/20/2019						<0.005
3/22/2019		<0.005	<0.005	<0.005		
3/23/2019	<0.005					
3/25/2019					0.00047 (J)	
9/16/2019						<0.005
9/17/2019			<0.005	<0.005	0.00016 (J)	
9/18/2019	0.0002 (J)	4.8E-05 (X)				
3/13/2020	0.00013 (J)		<0.005	4.8E-05 (J)	0.00037 (J)	
3/16/2020						5.1E-05 (J)
3/17/2020		<0.005				

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

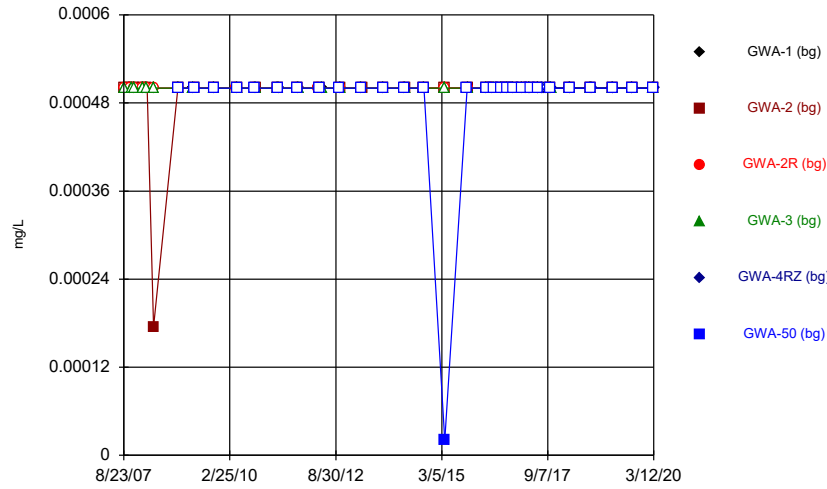
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						<0.005
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						<0.005
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						0.0012
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				<0.005	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Lead (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

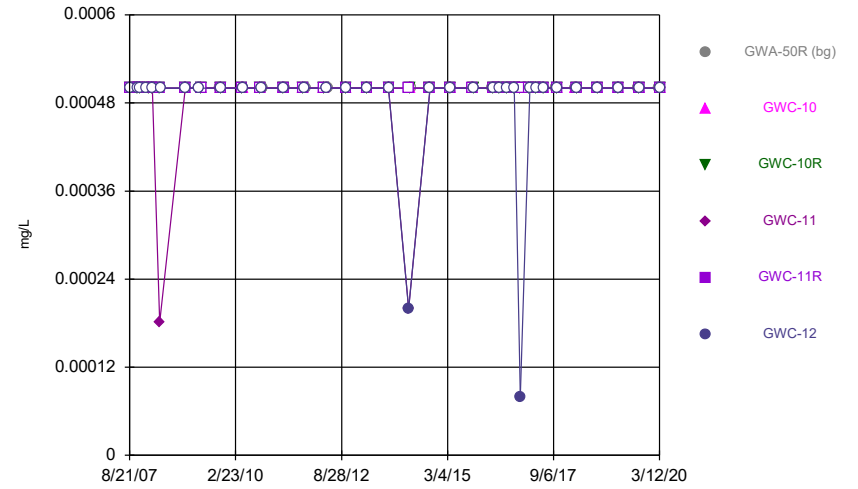
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0001 (J)	<0.005	0.0002 (J)	
8/5/2016						0.0001 (J)
9/26/2016	0.0003 (J)	<0.005			0.0001 (J)	
9/27/2016			0.0001 (J)	<0.005		
9/28/2016						0.0002 (J)
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0001 (J)		0.0001 (J)	0.0002 (J)
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0001 (J)			
2/3/2017					0.0002 (J)	
2/6/2017				<0.005		0.0001 (J)
4/6/2017	7E-05 (J)	7E-05 (J)	0.0002 (J)	0.0001 (J)		0.0001 (J)
4/7/2017					0.0002 (J)	
6/13/2017	<0.005	8E-05 (J)	<0.005		0.0002 (J)	8E-05 (J)
6/14/2017				<0.005		
7/14/2017			<0.005			
10/3/2017	<0.005	<0.005	9E-05 (J)		0.0002 (J)	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		0.00042 (J)	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					0.00032 (J)	
9/13/2019			<0.005			
9/16/2019	0.0001 (J)	<0.005		<0.005 (D)	5.4E-05 (J)	6.1E-05 (J)
3/12/2020	0.0001 (J)	7E-05 (J)	8.2E-05 (J)	5.6E-05 (J)		0.00016 (J)
3/16/2020					0.00016 (J)	

Time Series



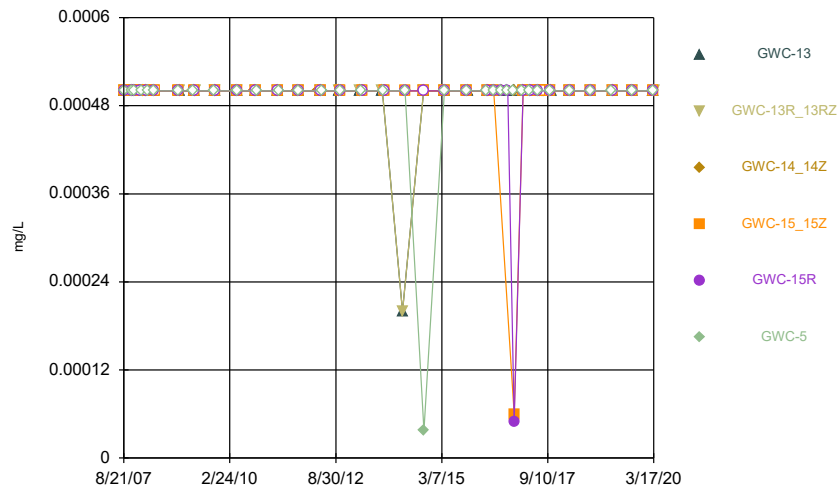
Constituent: Mercury Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



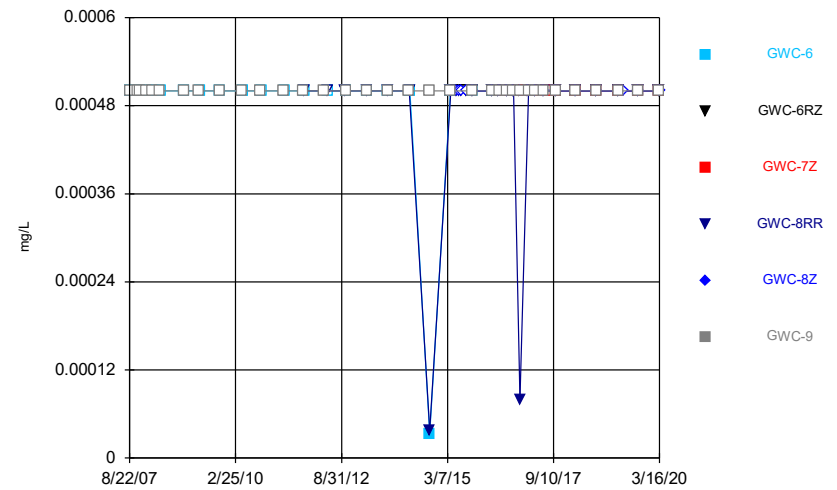
Constituent: Mercury Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Mercury Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Mercury Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005		
10/23/2007	<0.0005					
10/24/2007		<0.0005	<0.0005			
11/2/2007				<0.0005		
11/18/2007	<0.0005	<0.0005	<0.0005	<0.0005		
1/30/2008	<0.0005					
1/31/2008		<0.0005	<0.0005	<0.0005		
3/10/2008	<0.0005		<0.0005			
3/11/2008		<0.0005		<0.0005		
5/6/2008		0.000175				
5/13/2008	<0.0005		<0.0005			
5/14/2008				<0.0005		
12/4/2008		<0.0005	<0.0005			
12/5/2008	<0.0005			<0.0005		
12/12/2008						<0.0005
4/15/2009	<0.0005			<0.0005		
4/21/2009		<0.0005	<0.0005			
4/23/2009						<0.0005
10/6/2009						<0.0005
10/7/2009	<0.0005	<0.0005				
10/8/2009			<0.0005	<0.0005		
4/21/2010			<0.0005			
4/26/2010		<0.0005				
4/27/2010						<0.0005
4/28/2010				<0.0005		
5/3/2010	<0.0005					
9/28/2010			<0.0005			
9/30/2010						<0.0005
10/4/2010		<0.0005				
10/6/2010				<0.0005		
10/12/2010	<0.0005					
4/12/2011			<0.0005			
4/13/2011		<0.0005				
4/14/2011						<0.0005
4/21/2011				<0.0005		
4/27/2011	<0.0005					
10/4/2011			<0.0005			
10/5/2011		<0.0005				<0.0005
10/13/2011				<0.0005		
10/17/2011	<0.0005					
4/3/2012			<0.0005			
4/11/2012		<0.0005				<0.0005
5/1/2012				<0.0005		
5/2/2012	<0.0005					
10/2/2012						<0.0005
10/8/2012	<0.0005					
10/9/2012		<0.0005	<0.0005	<0.0005		
4/9/2013						<0.0005
4/11/2013			<0.0005	<0.0005		
4/12/2013	<0.0005					
4/15/2013		<0.0005				
10/15/2013		<0.0005				<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.0005		<0.0005	<0.0005		
4/10/2014			<0.0005			<0.0005
4/11/2014	<0.0005					
4/22/2014		<0.0005				
4/23/2014				<0.0005		
9/30/2014	<0.0005	<0.0005	<0.0005			
10/1/2014						<0.0005
10/4/2014				<0.0005		
3/30/2015	<0.0005	<0.0005	<0.0005			2.02E-05 (J)
3/31/2015				<0.0005		
10/11/2015						<0.0005
10/12/2015				<0.0005		
10/13/2015	<0.0005	<0.0005	<0.0005			
3/22/2016	<0.0005					
3/23/2016		<0.0005	<0.0005	<0.0005		
3/28/2016						<0.0005
5/19/2016	<0.0005		<0.0005			
5/20/2016		<0.0005				
5/23/2016				<0.0005		<0.0005
7/29/2016	<0.0005	<0.0005	<0.0005	<0.0005		
8/1/2016						<0.0005
9/22/2016			<0.0005	<0.0005		
9/23/2016	<0.0005	<0.0005				
9/26/2016						<0.0005
11/9/2016	<0.0005	<0.0005				
11/10/2016			<0.0005	<0.0005		<0.0005
1/30/2017	<0.0005					<0.0005
1/31/2017		<0.0005	<0.0005	<0.0005		
2/22/2017					<0.0005	
3/30/2017	<0.0005	<0.0005		<0.0005		
4/3/2017			<0.0005			
4/7/2017					<0.0005	<0.0005
6/9/2017	<0.0005		<0.0005			
6/12/2017		<0.0005		<0.0005		<0.0005
6/14/2017					<0.0005	
7/12/2017					<0.0005	
7/20/2017					<0.0005	
7/28/2017					<0.0005	
8/9/2017					<0.0005	
8/24/2017					<0.0005	
10/2/2017	<0.0005	<0.0005	<0.0005			<0.0005
10/3/2017					<0.0005	
10/4/2017				<0.0005		
3/16/2018	<0.0005		<0.0005			<0.0005
3/19/2018		<0.0005		<0.0005		
3/21/2018					<0.0005	
9/14/2018		<0.0005	<0.0005			
9/17/2018	<0.0005 (D)			<0.0005		<0.0005
9/18/2018					<0.0005	
3/19/2019			<0.0005			<0.0005
3/20/2019	<0.0005	<0.0005		<0.0005		
3/21/2019					<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.0005	<0.0005 (D)			<0.0005	
9/13/2019			<0.0005	<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/12/2020					<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/1/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/18/2007				<0.0005	<0.0005	
11/19/2007						<0.0005
11/20/2007		<0.0005	<0.0005			
1/16/2008						<0.0005
1/30/2008		<0.0005	<0.0005	<0.0005	<0.0005	
3/5/2008				<0.0005		<0.0005
3/6/2008		<0.0005	<0.0005		<0.0005	
5/7/2008				0.000181	<0.0005	
5/8/2008			<0.0005			
5/12/2008		<0.0005				
5/13/2008						<0.0005
12/12/2008	<0.0005					
12/13/2008		<0.0005				<0.0005
12/14/2008			<0.0005	<0.0005	<0.0005	
4/16/2009						<0.0005
4/23/2009	<0.0005					
4/29/2009		<0.0005	<0.0005	<0.0005	<0.0005	
10/6/2009	<0.0005					
10/20/2009		<0.0005				
10/21/2009			<0.0005			<0.0005
10/22/2009				<0.0005	<0.0005	
4/21/2010			<0.0005	<0.0005	<0.0005	
4/26/2010		<0.0005				
4/27/2010						<0.0005
5/3/2010	<0.0005					
9/28/2010			<0.0005	<0.0005		
9/29/2010		<0.0005			<0.0005	
10/5/2010						<0.0005
10/11/2010	<0.0005					
4/12/2011			<0.0005	<0.0005		
4/13/2011		<0.0005			<0.0005	
4/19/2011						<0.0005
4/27/2011	<0.0005					
10/4/2011			<0.0005	<0.0005	<0.0005	
10/5/2011		<0.0005				
10/12/2011						<0.0005
10/19/2011	<0.0005					
4/3/2012			<0.0005	<0.0005		
4/4/2012		<0.0005			<0.0005	
4/24/2012						<0.0005
5/1/2012	<0.0005					
10/2/2012	<0.0005					<0.0005
10/3/2012		<0.0005		<0.0005	<0.0005	
10/8/2012			<0.0005			
4/2/2013						<0.0005
4/3/2013		<0.0005	<0.0005	<0.0005	<0.0005	
4/10/2013	<0.0005					
10/9/2013				<0.0005	<0.0005	<0.0005
10/15/2013		<0.0005	<0.0005			
10/16/2013	<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.0002 (J)
4/2/2014				0.0002 (J)	<0.0005	
4/9/2014		<0.0005	<0.0005			
4/22/2014	<0.0005					
10/1/2014	<0.0005					
10/2/2014		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/30/2015	<0.0005					
4/1/2015				<0.0005	<0.0005	<0.0005
4/2/2015		<0.0005	<0.0005			
10/10/2015		<0.0005				
10/11/2015	<0.0005			<0.0005	<0.0005	
10/12/2015			<0.0005			
10/14/2015						<0.0005
3/28/2016	<0.0005					
3/31/2016		<0.0005	<0.0005			
4/4/2016				<0.0005	<0.0005	<0.0005
5/25/2016	<0.0005					
5/26/2016		<0.0005	<0.0005	<0.0005	<0.0005	
5/27/2016						<0.0005
8/1/2016	<0.0005					
8/3/2016			<0.0005	<0.0005		<0.0005
8/4/2016					<0.0005	
8/5/2016		<0.0005				
9/26/2016	<0.0005					
9/28/2016		<0.0005	<0.0005	<0.0005	<0.0005	
9/30/2016						<0.0005
11/11/2016	<0.0005					
11/22/2016		<0.0005	<0.0005	<0.0005	<0.0005	8E-05 (J)
1/30/2017	<0.0005					
2/7/2017		<0.0005	<0.0005			
2/8/2017				<0.0005	<0.0005	
2/13/2017						<0.0005
4/3/2017	<0.0005					
4/10/2017		<0.0005	<0.0005	<0.0005	<0.0005	
4/11/2017						<0.0005
6/12/2017	<0.0005					
6/14/2017		<0.0005	<0.0005			<0.0005
6/15/2017				<0.0005	<0.0005	
10/2/2017	<0.0005					
10/4/2017		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/16/2018	<0.0005					
3/20/2018		<0.0005				
3/21/2018			<0.0005	<0.0005		
3/22/2018					<0.0005	<0.0005
9/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/19/2019	<0.0005					
3/22/2019		<0.0005	<0.0005			
3/23/2019				<0.0005	<0.0005	<0.0005
9/12/2019	<0.0005					
9/17/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/11/2020	<0.0005					
3/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.0005	<0.0005				
8/23/2007					<0.0005	<0.0005
8/24/2007			<0.0005	<0.0005		
10/25/2007						<0.0005
11/1/2007	<0.0005	<0.0005				
11/2/2007			<0.0005	<0.0005	<0.0005	
11/17/2007			<0.0005		<0.0005	
11/18/2007				<0.0005		
11/19/2007	<0.0005	<0.0005				<0.0005
1/15/2008			<0.0005	<0.0005	<0.0005	
1/23/2008						<0.0005
1/31/2008	<0.0005	<0.0005				
3/5/2008	<0.0005	<0.0005	<0.0005			
3/6/2008					<0.0005	
3/10/2008				<0.0005		
3/11/2008						<0.0005
5/7/2008		<0.0005	<0.0005		<0.0005	
5/12/2008	<0.0005					<0.0005
5/13/2008				<0.0005		
12/2/2008			<0.0005	<0.0005	<0.0005	
12/11/2008						<0.0005
12/12/2008		<0.0005				
12/13/2008	<0.0005					
4/15/2009						<0.0005
4/16/2009			<0.0005			
4/28/2009	<0.0005			<0.0005	<0.0005	
4/29/2009		<0.0005				
10/9/2009						<0.0005
10/19/2009					<0.0005	
10/20/2009			<0.0005	<0.0005		
10/21/2009	<0.0005	<0.0005				
4/20/2010			<0.0005			
4/27/2010				<0.0005	<0.0005	
4/28/2010	<0.0005	<0.0005				
5/4/2010						<0.0005
9/29/2010			<0.0005			
10/4/2010					<0.0005	
10/5/2010	<0.0005			<0.0005		
10/6/2010		<0.0005				
10/12/2010						<0.0005
4/12/2011			<0.0005			
4/18/2011					<0.0005	
4/19/2011	<0.0005			<0.0005		
4/20/2011		<0.0005				
4/28/2011						<0.0005
10/4/2011			<0.0005			
10/12/2011		<0.0005		<0.0005	<0.0005	
10/18/2011	<0.0005					
10/19/2011						<0.0005
4/4/2012			<0.0005			
4/23/2012					<0.0005	
4/25/2012	<0.0005	<0.0005		<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Date	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.0005
10/2/2012	<0.0005	<0.0005				
10/9/2012						<0.0005
10/10/2012			<0.0005	<0.0005	<0.0005	
4/2/2013	<0.0005	<0.0005				
4/11/2013						<0.0005
4/15/2013			<0.0005		<0.0005	
4/16/2013				<0.0005		
10/8/2013	<0.0005	<0.0005				
10/16/2013						<0.0005
10/22/2013			<0.0005	<0.0005	<0.0005	
4/1/2014	0.0002 (J)	0.0002 (J)				
4/21/2014			<0.0005	<0.0005	<0.0005	
4/23/2014						<0.0005
9/30/2014			<0.0005	<0.0005	<0.0005	
10/1/2014	<0.0005	<0.0005				
10/3/2014						3.71E-05 (J)
3/31/2015		<0.0005				<0.0005
4/1/2015	<0.0005					
4/3/2015			<0.0005	<0.0005	<0.0005	
10/6/2015				<0.0005		
10/7/2015			<0.0005		<0.0005	
10/12/2015						<0.0005
10/14/2015		<0.0005				
10/15/2015	<0.0005					
3/28/2016						<0.0005
4/4/2016	<0.0005	<0.0005				
4/5/2016			<0.0005	<0.0005	<0.0005	
5/25/2016						<0.0005
5/31/2016	<0.0005			<0.0005	<0.0005	
6/1/2016		<0.0005	<0.0005			
8/1/2016						<0.0005
8/4/2016	<0.0005				<0.0005	
8/9/2016			<0.0005			
9/27/2016						<0.0005
9/29/2016	<0.0005				<0.0005	
11/11/2016						<0.0005
11/23/2016				6E-05 (J)	5E-05 (J)	
11/28/2016	<0.0005		<0.0005			
1/31/2017						<0.0005
2/9/2017	<0.0005		<0.0005			
2/10/2017				<0.0005	<0.0005	
2/22/2017		<0.0005				
4/3/2017						<0.0005
4/11/2017		<0.0005	<0.0005	<0.0005		
4/12/2017	<0.0005				<0.0005	
6/12/2017						<0.0005
6/14/2017			<0.0005			
6/15/2017				<0.0005	<0.0005	
6/16/2017	<0.0005	<0.0005				
7/12/2017		<0.0005	<0.0005	<0.0005		
7/26/2017				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		<0.0005				
8/10/2017		<0.0005				
10/3/2017						<0.0005
10/5/2017			<0.0005			
10/6/2017		<0.0005		<0.0005	<0.0005	
10/9/2017	<0.0005					
3/19/2018						<0.0005
3/21/2018	<0.0005					
3/22/2018			<0.0005			
3/23/2018		<0.0005		<0.0005	<0.0005	
9/17/2018						<0.0005
9/19/2018	<0.0005		<0.0005	<0.0005	<0.0005	
9/20/2018		<0.0005				
3/20/2019						<0.0005
3/22/2019		<0.0005	<0.0005	<0.0005		
3/23/2019	<0.0005					
3/25/2019					<0.0005	
9/16/2019						<0.0005
9/17/2019			<0.0005	<0.0005	<0.0005	
9/18/2019	<0.0005	<0.0005				
3/13/2020	<0.0005		<0.0005	<0.0005	<0.0005	
3/16/2020						<0.0005
3/17/2020		<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

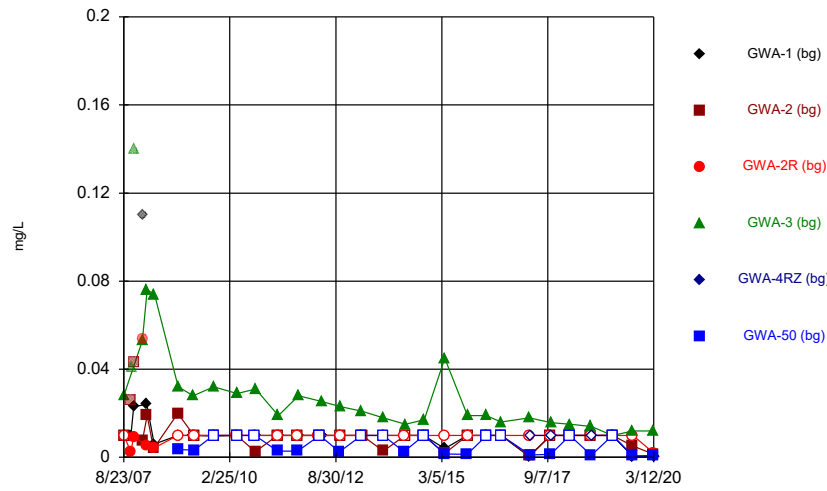
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.0005					
8/23/2007						<0.0005
10/25/2007	<0.0005					
11/1/2007						<0.0005
11/19/2007						<0.0005
11/20/2007	<0.0005					
1/15/2008						<0.0005
1/23/2008	<0.0005					
3/6/2008						<0.0005
3/11/2008	<0.0005					
5/13/2008						<0.0005
5/14/2008	<0.0005					
12/11/2008	<0.0005					
12/12/2008						<0.0005
4/16/2009						<0.0005
4/23/2009	<0.0005					
10/9/2009	<0.0005					
10/13/2009						<0.0005
4/21/2010						<0.0005
5/4/2010	<0.0005					
9/29/2010						<0.0005
10/11/2010	<0.0005					
4/13/2011						<0.0005
4/26/2011	<0.0005					
10/5/2011						<0.0005
10/18/2011	<0.0005			<0.0005		
4/4/2012						<0.0005
4/30/2012				<0.0005		
5/2/2012	<0.0005					
10/3/2012				<0.0005		
10/8/2012	<0.0005					<0.0005
4/8/2013				<0.0005		<0.0005
4/10/2013	<0.0005					
10/8/2013	<0.0005					
10/9/2013				<0.0005		<0.0005
4/9/2014						<0.0005
4/10/2014				<0.0005		
4/14/2014	<0.0005					
9/30/2014						<0.0005
10/2/2014				3.83E-05 (J)		
10/3/2014	3.29E-05 (J)					
4/1/2015	<0.0005					
4/2/2015						<0.0005
4/3/2015				<0.0005		
5/26/2015		<0.0005			<0.0005	
6/18/2015		<0.0005 (D)			<0.0005 (D)	
7/2/2015		<0.0005			<0.0005	
8/13/2015		<0.0005 (D)				
8/14/2015					<0.0005 (D)	
10/8/2015				<0.0005	<0.0005	
10/9/2015	<0.0005	<0.0005				
10/10/2015						<0.0005 (D)

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

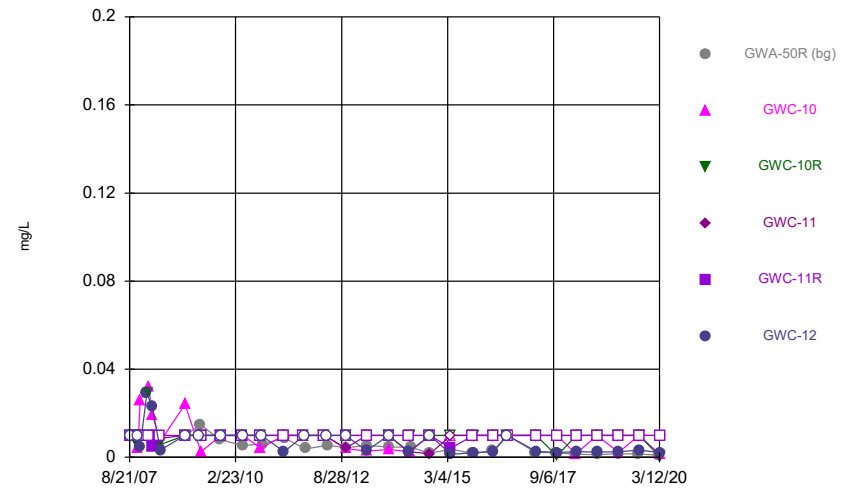
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.0005	
3/29/2016	<0.0005	<0.0005				
3/30/2016				<0.0005		<0.0005
5/24/2016	<0.0005	<0.0005		<0.0005		
5/25/2016					<0.0005	
5/26/2016						<0.0005
5/31/2016			<0.0005			
8/1/2016	<0.0005	<0.0005				
8/2/2016			<0.0005	<0.0005	<0.0005	
8/5/2016						<0.0005
9/26/2016	<0.0005	<0.0005			<0.0005	
9/27/2016			<0.0005	<0.0005		
9/28/2016						<0.0005
11/14/2016		<0.0005				
11/18/2016	<0.0005					
11/21/2016			<0.0005		<0.0005	<0.0005
11/22/2016				8E-05 (J)		
2/1/2017	<0.0005	<0.0005	<0.0005			
2/3/2017					<0.0005	
2/6/2017				<0.0005		<0.0005
4/6/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
4/7/2017					<0.0005	
6/13/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
6/14/2017				<0.0005		
7/14/2017			<0.0005			
10/3/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
10/4/2017				<0.0005		
3/19/2018	<0.0005					
3/20/2018		<0.0005	<0.0005		<0.0005	<0.0005
3/21/2018				<0.0005		
9/17/2018	<0.0005	<0.0005				
9/18/2018			<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/21/2019	<0.0005	<0.0005	<0.0005			<0.0005
3/27/2019				<0.0005		
5/6/2019					<0.0005	
9/13/2019			<0.0005			
9/16/2019	<0.0005	<0.0005		<0.0005 (D)	<0.0005	<0.0005
3/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2020					<0.0005	

Time Series



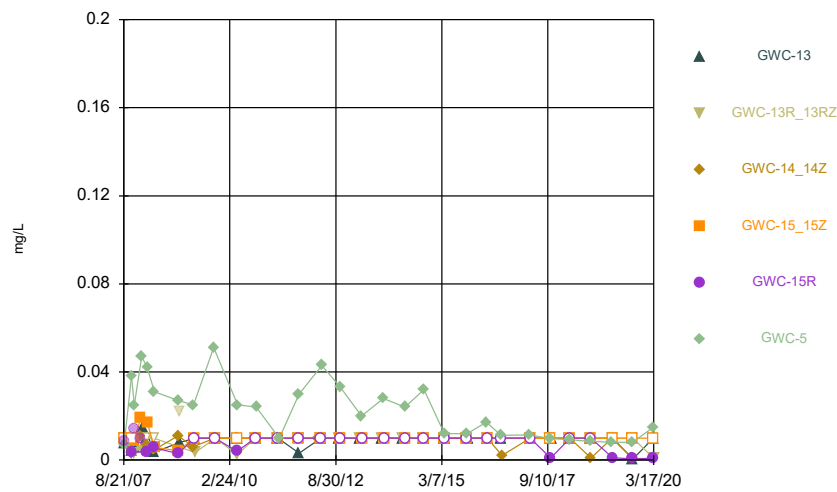
Constituent: Nickel Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



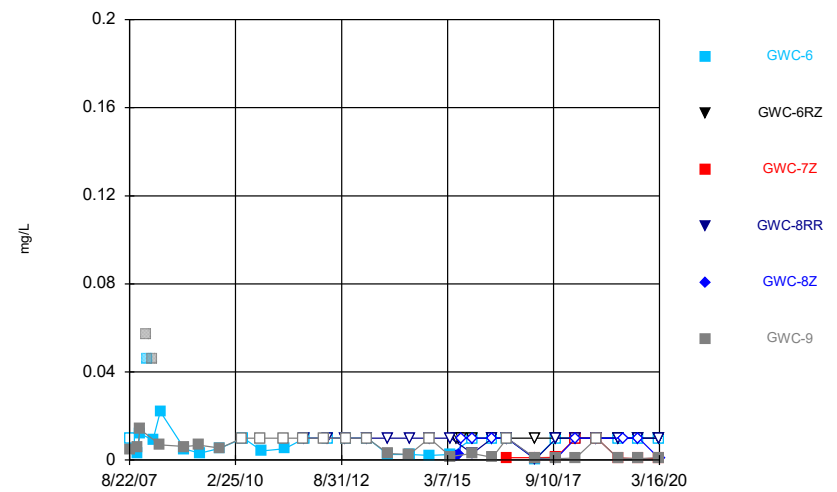
Constituent: Nickel Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Nickel Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Nickel Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	0.028		
10/23/2007	0.0096					
10/24/2007		0.026 (o)	0.0025			
11/2/2007				0.041 (o)		
11/18/2007	0.023	0.043 (o)	0.0093	0.14 (o)		
1/30/2008	0.11 (o)					
1/31/2008		0.0075	0.054 (o)	0.053		
3/10/2008	0.024		0.0054			
3/11/2008		0.019		0.076		
5/6/2008		0.004				
5/13/2008	0.006		0.0043			
5/14/2008				0.074		
12/4/2008		0.02	<0.01			
12/5/2008	<0.01			0.032		
12/12/2008						0.0035
4/15/2009	<0.01			0.028		
4/21/2009		<0.01	<0.01			
4/23/2009						0.0032
10/6/2009						<0.01
10/7/2009	0.0096	<0.01				
10/8/2009			<0.01	0.032		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				0.029		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		0.0025				
10/6/2010				0.031		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						0.0028
4/21/2011				0.019		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				0.0028
10/13/2011				0.028		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				0.0253		
5/2/2012	<0.01					
10/2/2012						0.0026
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	0.023		
4/9/2013						<0.01
4/11/2013			<0.01	0.021		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		0.0028				<0.01

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	0.018		
4/10/2014			<0.01			0.0025 (J)
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				0.015		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				0.017		
3/30/2015	0.004	0.0018 (J)	<0.01			0.0015 (J)
3/31/2015				0.045		
10/11/2015						0.0013 (J)
10/12/2015				0.019		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	0.019		
3/28/2016						<0.01
7/29/2016	<0.01	<0.01	<0.01	0.0161		
8/1/2016						<0.01
3/30/2017	0.0004 (J)	0.0006 (J)		0.018		
4/3/2017			<0.01			
4/7/2017					<0.01	0.0011 (J)
10/2/2017	<0.01	<0.01	<0.01			0.0013 (J)
10/3/2017					<0.01	
10/4/2017				0.0158		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		0.015		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			0.014		0.00096 (J)
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		0.01		
3/21/2019					<0.01	
9/12/2019	0.00038 (J)	0.00518 (D)			0.00032 (J)	
9/13/2019			<0.01	0.012		0.00063 (J)
3/11/2020	0.00068 (J)	0.0014 (J)	0.002 (J)	0.012		0.00084 (J)
3/12/2020					0.00034 (J)	

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		0.0042	0.006	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01	
11/19/2007						0.0047
11/20/2007		0.026	<0.01			
1/16/2008						0.029
1/30/2008		0.032	0.029 (C)	<0.01	<0.01	
3/5/2008				<0.01		0.023
3/6/2008		0.019	<0.01		0.0046	
5/7/2008				0.0087	<0.01	
5/8/2008			0.0057			
5/12/2008		0.0072				
5/13/2008						0.0032
12/12/2008	0.0096					
12/13/2008		0.024				<0.01
12/14/2008			<0.01	<0.01	<0.01	
4/16/2009						<0.01
4/23/2009	0.015					
4/29/2009		0.0026	<0.01	<0.01	<0.01	
10/6/2009	0.008					
10/20/2009		<0.01				
10/21/2009			<0.01			<0.01
10/22/2009				<0.01	<0.01	
4/21/2010			<0.01	<0.01	<0.01	
4/26/2010		<0.01				
4/27/2010						<0.01
5/3/2010	0.0053					
9/28/2010			<0.01	<0.01		
9/29/2010		0.0042			<0.01	
10/5/2010						<0.01
10/11/2010	0.0061					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						0.0025
4/27/2011	0.0087					
10/4/2011			<0.01	<0.01	<0.01	
10/5/2011		<0.01				
10/12/2011						<0.01
10/19/2011	0.0039					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	0.0054					
10/2/2012	0.0044					<0.01
10/3/2012		0.004		0.0042	<0.01	
10/8/2012			<0.01			
4/2/2013						0.003
4/3/2013		0.0028	<0.01	<0.01	<0.01	
4/10/2013	0.0053					
10/9/2013				<0.01	<0.01	<0.01
10/15/2013		0.0036	<0.01			
10/16/2013	0.0047					

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.0025 (J)
4/2/2014				0.0025 (J)	<0.01	
4/9/2014		0.0025 (J)	<0.01			
4/22/2014	0.0045					
10/1/2014	0.0018 (J)					
10/2/2014		<0.01	<0.01	0.0016 (J)	<0.01	<0.01
3/30/2015	0.0037					
4/1/2015				<0.01	0.0041	0.0014 (J)
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	0.0018 (J)			<0.01	<0.01	
10/12/2015			<0.01			
10/14/2015						0.0021 (J)
3/28/2016	0.0028 (J)					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	<0.01	0.00264 (J)
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
4/3/2017	0.0022 (J)					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						0.0027 (J)
10/2/2017	0.0021 (J)					
10/4/2017		<0.01	0.0006 (J)	<0.01	<0.01	0.0022 (J)
3/16/2018	0.0014 (J)					
3/20/2018		0.0016 (J)				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	0.0025 (J)
9/18/2018	0.0012 (J)	<0.01	<0.01	<0.01	<0.01	0.0024 (J)
3/19/2019	0.0016 (J)					
3/22/2019		0.0022 (J)	<0.01			
3/23/2019				<0.01	<0.01	0.0026 (J)
9/12/2019	0.0015 (J)					
9/17/2019		<0.01	<0.01	<0.01	<0.01	0.0033 (JD)
3/11/2020	0.001 (J)					
3/12/2020		0.0015 (J)	0.00043 (J)	<0.01	<0.01	0.0022 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	0.0076	<0.01				
8/23/2007					0.0089 (O)	0.0069
8/24/2007			<0.01	<0.01		
10/25/2007						0.038
11/1/2007	0.0043	0.0033				
11/2/2007			0.0029	<0.01	0.0036	
11/17/2007			0.0086		0.014 (O)	
11/18/2007				0.0088 (J)		
11/19/2007	0.0061	0.0029				0.025
1/15/2008			0.011	0.019	0.0096 (O)	
1/23/2008						0.047
1/31/2008	0.015	0.0039				
3/5/2008	<0.01	<0.01	0.0072			
3/6/2008					0.0038	
3/10/2008				0.017		
3/11/2008						0.042
5/7/2008		<0.01	0.0045		0.0056	
5/12/2008	0.0035					0.031
5/13/2008				0.0058		
12/2/2008			0.011	0.0043	0.003	
12/11/2008						0.027
12/12/2008		0.022 (O)				
12/13/2008	0.0079					
4/15/2009						0.025
4/16/2009			0.0061			
4/28/2009	<0.01			<0.01	<0.01	
4/29/2009		0.0034				
10/9/2009						0.051
10/19/2009					<0.01	
10/20/2009			0.01	<0.01		
10/21/2009	<0.01	<0.01				
4/20/2010			<0.01			
4/27/2010				<0.01	0.004	
4/28/2010	<0.01	0.0026				
5/4/2010						0.025
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			<0.01		
10/6/2010		<0.01				
10/12/2010						0.024
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	<0.01			<0.01		
4/20/2011		<0.01				
4/28/2011						0.01
10/4/2011			<0.01			
10/12/2011		<0.01		<0.01	<0.01	
10/18/2011	0.0031					
10/19/2011						0.03
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						0.0429
10/2/2012	<0.01	<0.01				
10/9/2012						0.033
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						0.02
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						0.028
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	<0.01	<0.01				
4/21/2014			<0.01	<0.01	<0.01	
4/23/2014						0.024
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						0.032
3/31/2015		<0.01				0.012
4/1/2015	<0.01					
4/3/2015			<0.01	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			<0.01		<0.01	
10/12/2015						0.012
10/14/2015		<0.01				
10/15/2015	<0.01					
3/28/2016						0.0172
4/4/2016	<0.01	<0.01				
4/5/2016			<0.01	<0.01	<0.01	
8/1/2016						0.0113
8/4/2016	<0.01				<0.01	
8/9/2016			0.0021 (J)			
4/3/2017						0.0114
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	<0.01				<0.01	
10/3/2017						0.0098 (J)
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	0.001 (J)	
10/9/2017	<0.01					
3/19/2018						0.0092 (J)
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						0.0085 (J)
9/19/2018	<0.01		0.00096 (J)	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						0.008 (J)
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					0.0011 (J)	
9/16/2019						0.008 (J)
9/17/2019			0.0007 (X)	<0.01	0.00057 (J)	
9/18/2019	0.00046 (J)	<0.01				

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/13/2020	<0.01		0.00078 (J)	<0.01	0.00072 (J)	
3/16/2020						0.015
3/17/2020		0.00082 (J)				

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

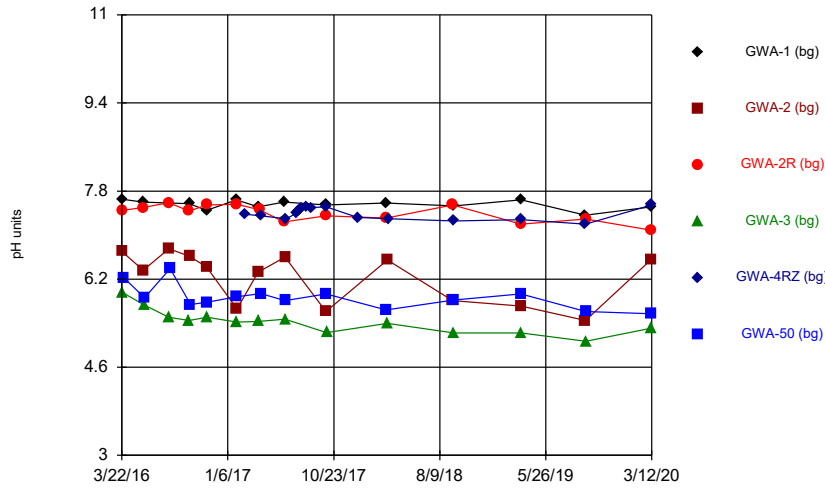
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						0.0046
10/25/2007	0.0028					
11/1/2007						0.0057
11/19/2007						0.014 (J)
11/20/2007	0.012					
1/15/2008						0.057 (o)
1/23/2008	0.046 (o)					
3/6/2008						0.046 (o)
3/11/2008	0.0091					
5/13/2008						0.0069
5/14/2008	0.022					
12/11/2008	0.005					
12/12/2008						0.0061
4/16/2009						0.0067 (J)
4/23/2009	0.0031					
10/9/2009	0.0053					
10/13/2009						0.0054
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	0.0042					
4/13/2011						<0.01
4/26/2011	0.0051					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	0.0025					
10/9/2013				<0.01		0.0029
4/9/2014						0.0025 (J)
4/10/2014				<0.01		
4/14/2014	0.0025 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.0021 (J)					
4/1/2015	0.0026					
4/2/2015						0.0016 (J)
4/3/2015				<0.01		
5/26/2015		<0.01			0.002 (J)	
6/18/2015		<0.01 (D)			0.0025 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				0.003	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.00295 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

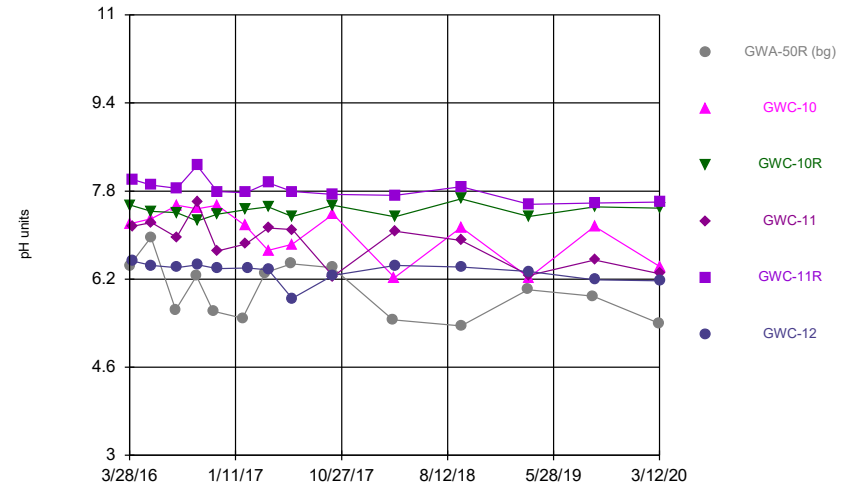
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		0.00116 (J)
8/1/2016	<0.01	<0.01				
8/2/2016			0.0011 (J)	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	0.0005 (J)	<0.01	0.0011 (J)	0.0003 (J)		0.001 (J)
4/7/2017					0.0007 (J)	
10/3/2017	<0.01	<0.01	0.0012 (J)		0.0006 (J)	0.0007 (J)
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	0.00097 (J)
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	0.00099 (J)			0.001 (J)
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			0.00061 (J)			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	0.00062 (J)
3/12/2020	<0.01	<0.01	0.00078 (J)	<0.01		0.0011 (J)
3/16/2020					0.0006 (J)	

Time Series



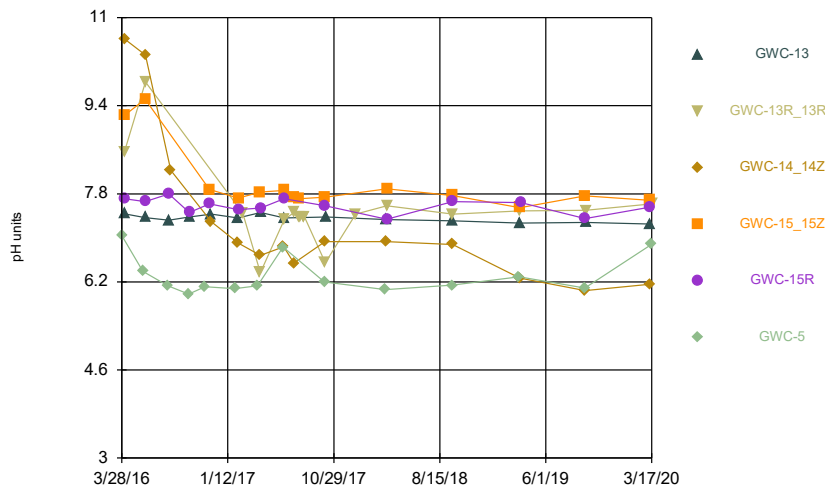
Constituent: pH Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



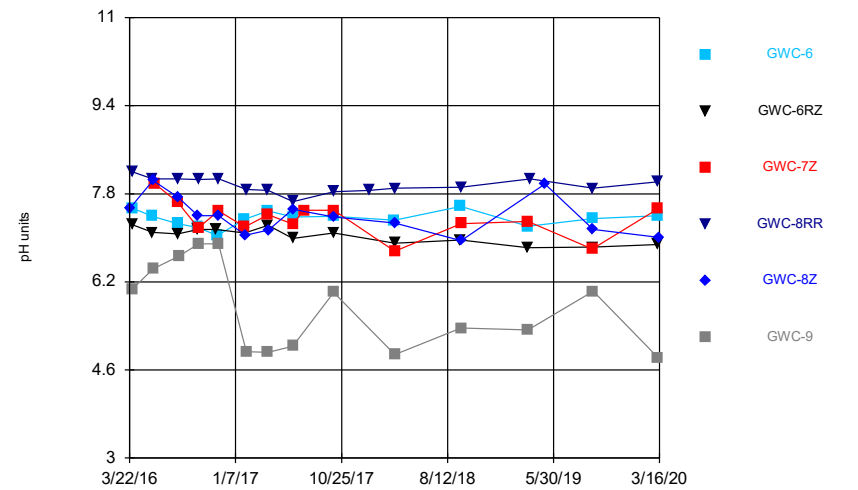
Constituent: pH Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: pH Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: pH Analysis Run 4/7/2020 9:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: pH (pH units) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	7.65					
3/23/2016		6.7	7.45	5.96		
3/28/2016						6.22
5/19/2016	7.6		7.5			
5/20/2016		6.36				
5/23/2016				5.73		5.86
7/29/2016	7.58	6.75	7.59	5.51		
8/1/2016						6.39
9/22/2016			7.44	5.45		
9/23/2016	7.57	6.62				
9/26/2016						5.74
11/9/2016	7.45	6.42				
11/10/2016			7.55	5.51		5.78
1/30/2017	7.64					5.88
1/31/2017		5.66	7.56	5.42		
2/22/2017					7.38	
3/30/2017	7.51	6.33		5.43		
4/3/2017			7.46			
4/7/2017					7.35	5.94
6/9/2017	7.6		7.24			
6/12/2017		6.6		5.47		5.81
6/14/2017					7.3	
7/12/2017					7.39	
7/20/2017					7.44	
7/28/2017					7.5	
8/9/2017					7.52	
8/24/2017					7.5	
10/2/2017	7.55	5.61	7.35			5.93
10/3/2017					7.51	
10/4/2017				5.23		
12/28/2017					7.32 (Y)	
3/16/2018	7.58		7.31			5.64
3/19/2018		6.55		5.4		
3/21/2018					7.3	
9/14/2018		5.81	7.55			
9/17/2018	7.53 (D)			5.22		5.82
9/18/2018					7.26	
3/19/2019			7.2			5.93
3/20/2019	7.64	5.71		5.22		
3/21/2019					7.28	
9/12/2019	7.36	5.45 (D)			7.2	
9/13/2019			7.29	5.07		5.61
3/11/2020	7.51	6.56	7.09	5.31		5.57
3/12/2020					7.55	

Time Series

Constituent: pH (pH units) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	6.45 (D)					
3/31/2016		7.21	7.54			
4/4/2016				7.16	8.01	6.53 (D)
5/25/2016	6.96					
5/26/2016		7.3	7.43	7.23	7.91	
5/27/2016						6.45
8/1/2016	5.64					
8/3/2016			7.41	6.96		6.41
8/4/2016					7.85	
8/5/2016		7.54				
9/26/2016	6.26					
9/28/2016		7.48	7.26	7.6	8.26	
9/30/2016						6.46
11/11/2016	5.62					
11/22/2016		7.54	7.38	6.71	7.79	6.39
1/30/2017	5.49					
2/7/2017		7.17	7.46			
2/8/2017				6.84	7.77	
2/13/2017						6.4
4/3/2017	6.32					
4/10/2017		6.72	7.51	7.13	7.95	
4/11/2017						6.37
6/12/2017	6.48					
6/14/2017		6.83	7.34			5.85
6/15/2017				7.1	7.79	
10/2/2017	6.41					
10/4/2017		7.38	7.54	6.25	7.74	6.27
3/16/2018	5.46					
3/20/2018		6.23				
3/21/2018			7.33	7.07		
3/22/2018					7.72	6.45
9/18/2018	5.35	7.14	7.66	6.9	7.88	6.42
3/19/2019	6.01					
3/22/2019		6.23	7.34			
3/23/2019				6.27	7.56	6.34
9/12/2019	5.89					
9/17/2019		7.16	7.51	6.55	7.58	6.19 (D)
3/11/2020	5.4					
3/12/2020		6.43	7.49	6.3	7.6	6.17

Time Series

Constituent: pH (pH units) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/28/2016						7.04
4/4/2016	7.44 (D)	8.56				
4/5/2016			10.61	9.23	7.71	
5/25/2016						6.39
5/31/2016	7.37			9.52	7.66	
6/1/2016		9.83	10.32			
8/1/2016						6.13
8/4/2016	7.32				7.8	
8/9/2016			8.23			
9/27/2016						5.98
9/29/2016	7.38				7.46	
11/11/2016						6.11
11/23/2016				7.88	7.62	
11/28/2016	7.43		7.29			
1/31/2017						6.08
2/9/2017	7.36		6.91			
2/10/2017				7.72	7.51	
2/22/2017		7.45				
4/3/2017						6.13
4/11/2017		6.37	6.68	7.83		
4/12/2017	7.46				7.54	
6/12/2017						6.83
6/14/2017			6.84			
6/15/2017				7.86	7.71	
6/16/2017	7.36	7.33				
7/12/2017		7.46	6.54	7.73		
7/26/2017				7.71		
7/27/2017		7.37				
7/28/2017		7.37				
8/9/2017		7.38				
8/10/2017		7.38				
10/3/2017						6.2
10/5/2017			6.93			
10/6/2017		6.55		7.74	7.58	
10/9/2017	7.38					
12/28/2017		7.43 (Y)				
3/19/2018						6.06
3/21/2018	7.33					
3/22/2018			6.93			
3/23/2018		7.58		7.89	7.34	
9/17/2018						6.14
9/19/2018	7.31		6.88	7.77	7.66	
9/20/2018		7.43				
3/20/2019						6.29
3/22/2019		7.49	6.27	7.55		
3/23/2019	7.27					
3/25/2019					7.64	
9/16/2019						6.09
9/17/2019			6.04	7.76	7.35	
9/18/2019	7.28	7.5				
3/13/2020	7.25		6.16	7.68	7.56	
3/16/2020						6.88

Time Series

Constituent: pH (pH units) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

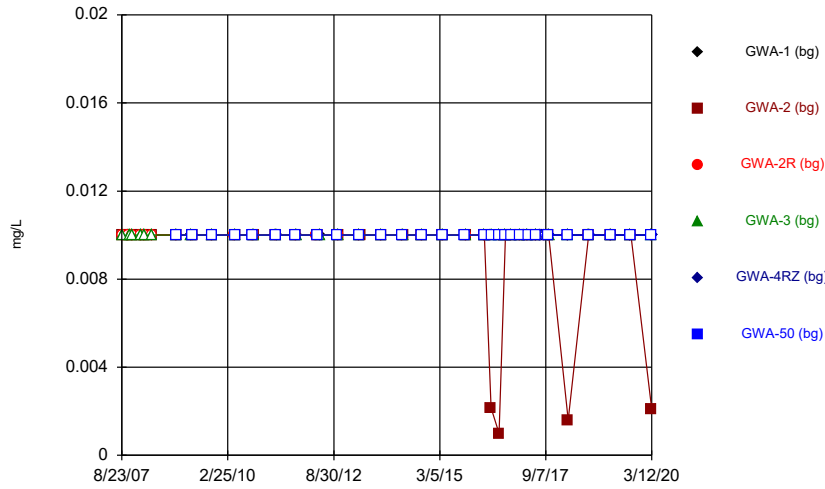
	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/17/2020		7.62				

Time Series

Constituent: pH (pH units) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

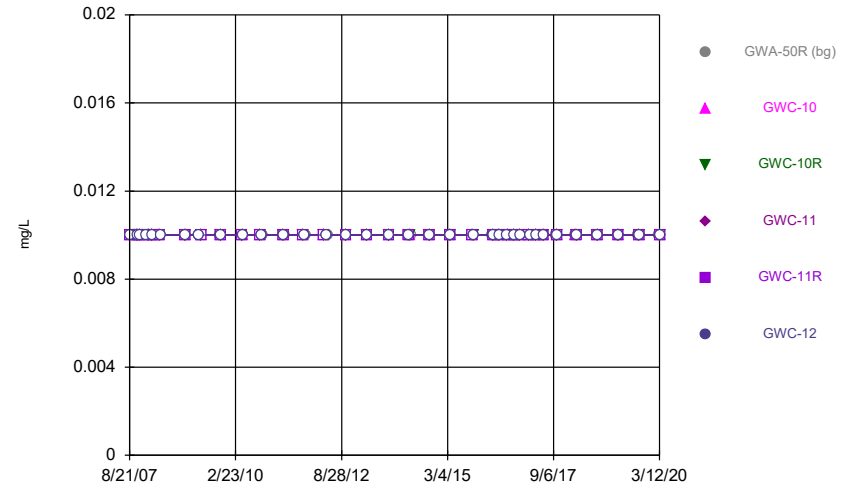
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					7.53 (D)	
3/29/2016	7.54	7.24				
3/30/2016				8.2		6.07
5/24/2016	7.39	7.1		8.07		
5/25/2016					8.04	
5/26/2016						6.44
5/31/2016			7.98			
8/1/2016	7.26	7.07				
8/2/2016			7.64	8.07	7.74	
8/5/2016						6.67
9/26/2016	7.19	7.15			7.4	
9/27/2016			7.18	8.06		
9/28/2016						6.89
11/14/2016		7.15				
11/18/2016	7.04					
11/21/2016			7.49		7.4	6.89
11/22/2016				8.07		
2/1/2017	7.34	7.09	7.2			
2/3/2017					7.05	
2/6/2017				7.88		4.93
4/6/2017	7.49	7.23	7.42	7.86		4.92
4/7/2017					7.14	
6/13/2017	7.38	6.99	7.25		7.52	5.03
6/14/2017				7.66		
7/14/2017			7.5			
10/3/2017	7.39	7.09	7.5		7.38	6.01
10/4/2017				7.84		
1/9/2018				7.86 (Y)		
3/19/2018	7.32					
3/20/2018		6.9	6.76		7.27	4.88
3/21/2018				7.9		
9/17/2018	7.57	6.96				
9/18/2018			7.26	7.92	6.95	5.36 (D)
3/21/2019	7.21	6.82	7.3			5.33
3/27/2019				8.07		
5/6/2019					7.98	
9/13/2019			6.8			
9/16/2019	7.35	6.83		7.9 (D)	7.15	6.03
3/12/2020	7.4	6.88	7.53	8.02		4.82
3/16/2020					7.01	

Time Series



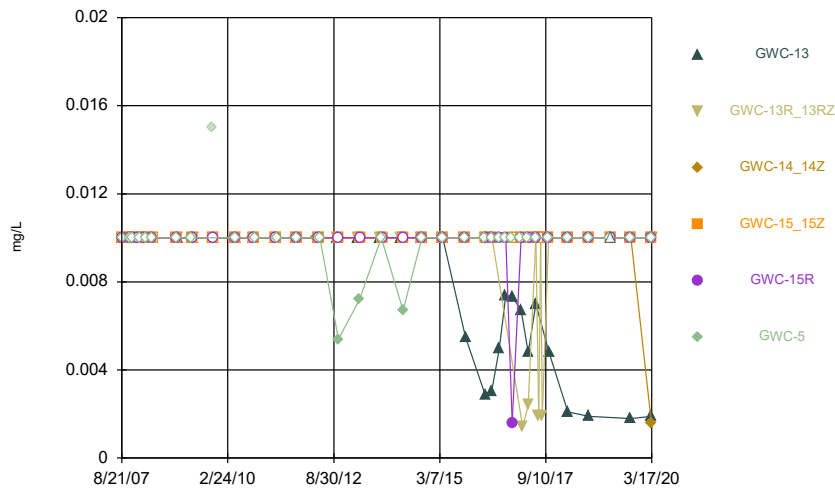
Constituent: Selenium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



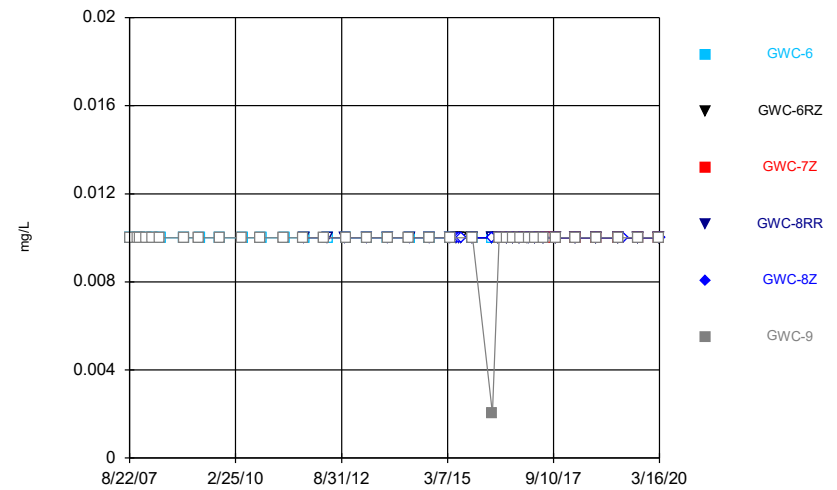
Constituent: Selenium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Selenium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Selenium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	<0.01		
10/23/2007	<0.01					
10/24/2007		<0.01	<0.01			
11/2/2007				<0.01		
11/18/2007	<0.01	<0.01	<0.01	<0.01		
1/30/2008	<0.01					
1/31/2008		<0.01	<0.01	<0.01		
3/10/2008	<0.01		<0.01			
3/11/2008		<0.01		<0.01		
5/6/2008		<0.01				
5/13/2008	<0.01		<0.01			
5/14/2008				<0.01		
12/4/2008		<0.01	<0.01			
12/5/2008	<0.01			<0.01		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		<0.01	<0.01			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	<0.01	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		<0.01				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						<0.01
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		<0.01				<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	<0.01		
4/10/2014			<0.01			<0.01
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				<0.01		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				<0.01		
3/30/2015	<0.01	<0.01	<0.01			<0.01
3/31/2015				<0.01		
10/11/2015						<0.01
10/12/2015				<0.01		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
5/19/2016	<0.01		<0.01			
5/20/2016		0.00216 (J)				
5/23/2016				<0.01		<0.01
7/29/2016	<0.01	0.001 (J)	<0.01	<0.01		
8/1/2016						<0.01
9/22/2016			<0.01	<0.01		
9/23/2016	<0.01	<0.01				
9/26/2016						<0.01
11/9/2016	<0.01	<0.01				
11/10/2016			<0.01	<0.01		<0.01
1/30/2017	<0.01					<0.01
1/31/2017		<0.01	<0.01	<0.01		
2/22/2017					<0.01	
3/30/2017	<0.01	<0.01		<0.01		
4/3/2017			<0.01			
4/7/2017					<0.01	<0.01
6/9/2017	<0.01		<0.01			
6/12/2017		<0.01		<0.01		<0.01
6/14/2017					<0.01	
7/12/2017					<0.01	
7/20/2017					<0.01	
7/28/2017					<0.01	
8/9/2017					<0.01	
8/24/2017					<0.01	
10/2/2017	<0.01	<0.01	<0.01			<0.01
10/3/2017					<0.01	
10/4/2017				<0.01		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		0.0016 (J)		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			<0.01		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		<0.01		
3/21/2019					<0.01	

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.01	<0.01 (D)			<0.01	
9/13/2019			<0.01	<0.01		<0.01
3/11/2020	<0.01	0.0021 (J)	<0.01	<0.01		<0.01
3/12/2020					<0.01	

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01	
11/19/2007						<0.01
11/20/2007		<0.01	<0.01			
1/16/2008						<0.01
1/30/2008		<0.01	<0.01	<0.01	<0.01	
3/5/2008				<0.01		<0.01
3/6/2008		<0.01	<0.01		<0.01	
5/7/2008				<0.01	<0.01	
5/8/2008			<0.01			
5/12/2008		<0.01				
5/13/2008						<0.01
12/12/2008	<0.01					
12/13/2008		<0.01				<0.01
12/14/2008			<0.01	<0.01	<0.01	
4/16/2009						<0.01
4/23/2009	<0.01					
4/29/2009		<0.01	<0.01	<0.01	<0.01	
10/6/2009	<0.01					
10/20/2009		<0.01				
10/21/2009			<0.01			<0.01
10/22/2009				<0.01	<0.01	
4/21/2010			<0.01	<0.01	<0.01	
4/26/2010		<0.01				
4/27/2010						<0.01
5/3/2010	<0.01					
9/28/2010			<0.01	<0.01		
9/29/2010		<0.01			<0.01	
10/5/2010						<0.01
10/11/2010	<0.01					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						<0.01
4/27/2011	<0.01					
10/4/2011			<0.01	<0.01	<0.01	
10/5/2011		<0.01				
10/12/2011						<0.01
10/19/2011	<0.01					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	<0.01					<0.01
10/3/2012		<0.01		<0.01	<0.01	
10/8/2012			<0.01			
4/2/2013						<0.01
4/3/2013		<0.01	<0.01	<0.01	<0.01	
4/10/2013	<0.01					
10/9/2013				<0.01	<0.01	<0.01
10/15/2013		<0.01	<0.01			
10/16/2013	<0.01					

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.01
4/2/2014				<0.01	<0.01	
4/9/2014		<0.01	<0.01			
4/22/2014	<0.01					
10/1/2014	<0.01					
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01
3/30/2015	<0.01					
4/1/2015				<0.01	<0.01	<0.01
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	<0.01			<0.01	<0.01	
10/12/2015			<0.01			
10/14/2015						<0.01
3/28/2016	<0.01					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	<0.01	<0.01
5/25/2016	<0.01					
5/26/2016		<0.01	<0.01	<0.01	<0.01	
5/27/2016						<0.01
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
9/26/2016	<0.01					
9/28/2016		<0.01	<0.01	<0.01	<0.01	
9/30/2016						<0.01
11/11/2016	<0.01					
11/22/2016		<0.01	<0.01	<0.01	<0.01	<0.01
1/30/2017	<0.01					
2/7/2017		<0.01	<0.01			
2/8/2017				<0.01	<0.01	
2/13/2017						<0.01
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						<0.01
6/12/2017	<0.01					
6/14/2017		<0.01	<0.01			<0.01
6/15/2017				<0.01	<0.01	
10/2/2017	<0.01					
10/4/2017		<0.01	<0.01	<0.01	<0.01	<0.01
3/16/2018	<0.01					
3/20/2018		<0.01				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	<0.01
9/18/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2019	<0.01					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	<0.01	<0.01
9/12/2019	<0.01					
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)
3/11/2020	<0.01					
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.01	<0.01				
8/23/2007					<0.01	<0.01
8/24/2007			<0.01	<0.01		
10/25/2007						<0.01
11/1/2007	<0.01	<0.01				
11/2/2007			<0.01	<0.01	<0.01	
11/17/2007			<0.01		<0.01	
11/18/2007				<0.01		
11/19/2007	<0.01	<0.01				<0.01
1/15/2008			<0.01	<0.01	<0.01	
1/23/2008						<0.01
1/31/2008	<0.01	<0.01				
3/5/2008	<0.01	<0.01	<0.01			
3/6/2008					<0.01	
3/10/2008				<0.01		
3/11/2008						<0.01
5/7/2008		<0.01	<0.01		<0.01	
5/12/2008	<0.01					<0.01
5/13/2008				<0.01		
12/2/2008			<0.01	<0.01	<0.01	
12/11/2008						<0.01
12/12/2008		<0.01				
12/13/2008	<0.01					
4/15/2009						<0.01
4/16/2009			<0.01			
4/28/2009	<0.01			<0.01	<0.01	
4/29/2009		<0.01				
10/9/2009						0.015 (o)
10/19/2009					<0.01	
10/20/2009			<0.01	<0.01		
10/21/2009	<0.01	<0.01				
4/20/2010			<0.01			
4/27/2010				<0.01	<0.01	
4/28/2010	<0.01	<0.01				
5/4/2010						<0.01
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			<0.01		
10/6/2010		<0.01				
10/12/2010						<0.01
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	<0.01			<0.01		
4/20/2011		<0.01				
4/28/2011						<0.01
10/4/2011			<0.01			
10/12/2011		<0.01		<0.01	<0.01	
10/18/2011	<0.01					
10/19/2011						<0.01
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	<0.01	<0.01				
10/9/2012						0.0054
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						0.0072
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						<0.01
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	<0.01	<0.01				
4/21/2014			<0.01	<0.01	<0.01	
4/23/2014						0.0067
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						<0.01
3/31/2015		<0.01				<0.01
4/1/2015	<0.01					
4/3/2015			<0.01	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			<0.01		<0.01	
10/12/2015						<0.01
10/14/2015		<0.01				
10/15/2015	0.0055					
3/28/2016						<0.01
4/4/2016	0.00286 (J)	<0.01				
4/5/2016			<0.01	<0.01	<0.01	
5/25/2016						<0.01
5/31/2016	0.00303 (J)			<0.01	<0.01	
6/1/2016		<0.01	<0.01			
8/1/2016						<0.01
8/4/2016	0.005 (J)				<0.01	
8/9/2016			<0.01			
9/27/2016						<0.01
9/29/2016	0.0074 (J)				<0.01	
11/11/2016						<0.01
11/23/2016				<0.01	0.0016 (J)	
11/28/2016	0.0073 (J)		<0.01			
1/31/2017						<0.01
2/9/2017	0.0067 (J)		<0.01			
2/10/2017				<0.01	<0.01	
2/22/2017		0.0014 (J)				
4/3/2017						<0.01
4/11/2017		0.0024 (J)	<0.01	<0.01		
4/12/2017	0.0048 (J)				<0.01	
6/12/2017						<0.01
6/14/2017			<0.01			
6/15/2017				<0.01	<0.01	
6/16/2017	0.007 (J)	<0.01				
7/12/2017		0.0019 (J)	<0.01	<0.01		
7/26/2017				<0.01		

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
7/28/2017		<0.01				
8/10/2017		0.0019 (J)				
10/3/2017						<0.01
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	<0.01	
10/9/2017	0.0048 (J)					
3/19/2018						<0.01
3/21/2018	0.0021 (J)					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	0.0019 (J)		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01 (o)					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			<0.01	<0.01	<0.01	
9/18/2019	0.0018 (J)	<0.01				
3/13/2020	0.0019 (J)		0.0016 (J)	<0.01	<0.01	
3/16/2020						<0.01
3/17/2020		<0.01				

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

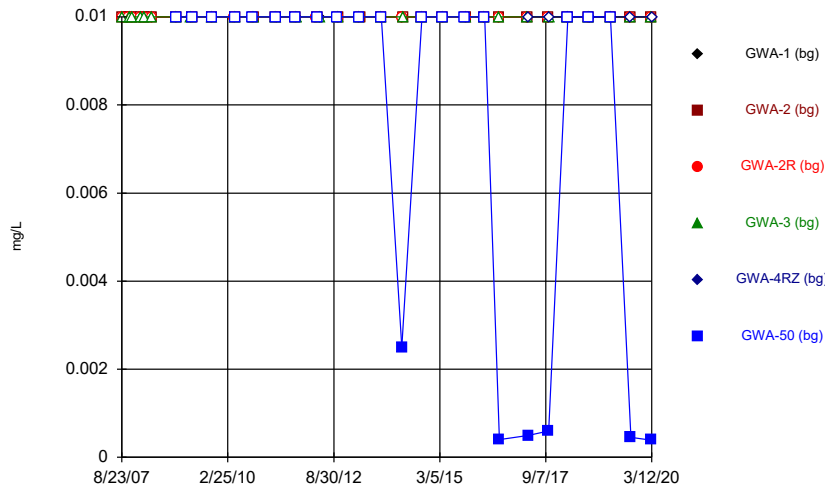
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						<0.01
11/20/2007	<0.01					
1/15/2008						<0.01
1/23/2008	<0.01					
3/6/2008						<0.01
3/11/2008	<0.01					
5/13/2008						<0.01
5/14/2008	<0.01					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						<0.01
4/23/2009	<0.01					
10/9/2009	<0.01					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	<0.01					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				<0.01		
4/14/2014	<0.01					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	<0.01					
4/1/2015	<0.01					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			<0.01 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				<0.01	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						<0.01 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

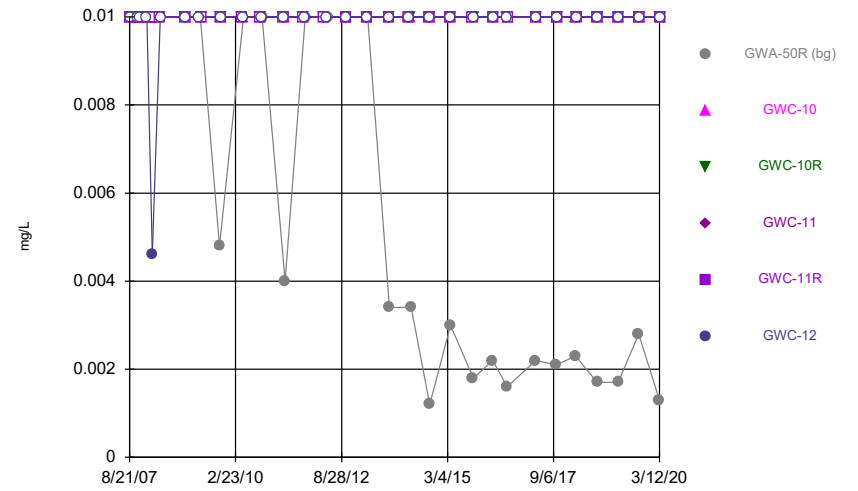
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		0.00202 (J)
5/24/2016	<0.01	<0.01		<0.01		
5/25/2016					<0.01	
5/26/2016						<0.01
5/31/2016			<0.01			
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
9/26/2016	<0.01	<0.01			<0.01	
9/27/2016			<0.01	<0.01		
9/28/2016						<0.01
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			<0.01		<0.01	<0.01
11/22/2016				<0.01		
2/1/2017	<0.01	<0.01	<0.01			
2/3/2017					<0.01	
2/6/2017				<0.01		<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
6/13/2017	<0.01	<0.01	<0.01		<0.01	<0.01
6/14/2017				<0.01		
7/14/2017			<0.01			
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	

Time Series



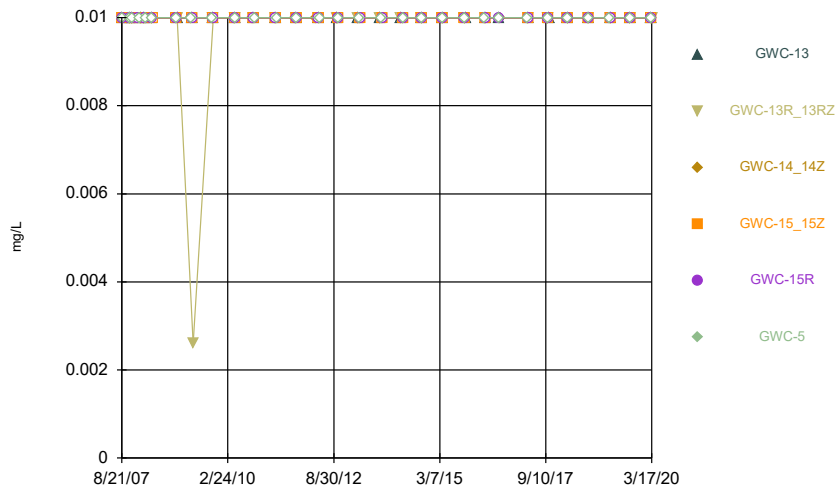
Constituent: Silver Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



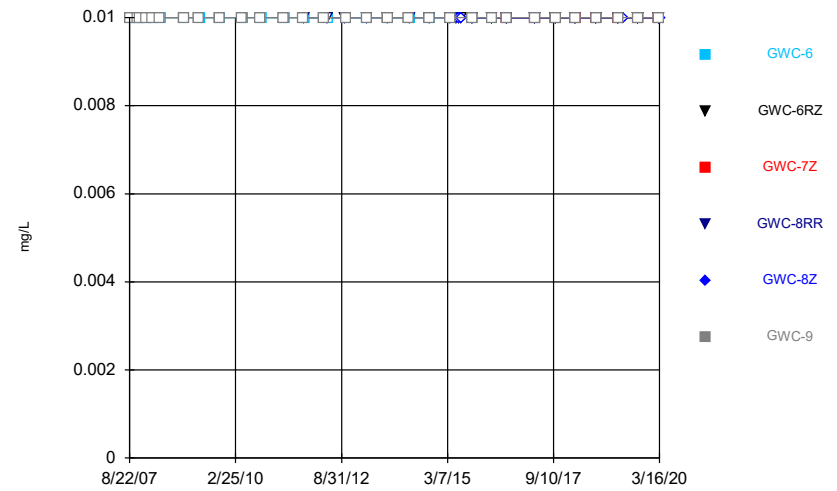
Constituent: Silver Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Silver Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Silver Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	<0.01		
10/23/2007	<0.01					
10/24/2007		<0.01	<0.01			
11/2/2007				<0.01		
11/18/2007	<0.01	<0.01	<0.01	<0.01		
1/30/2008	<0.01					
1/31/2008		<0.01	<0.01	<0.01		
3/10/2008	<0.01		<0.01			
3/11/2008		<0.01		<0.01		
5/6/2008		<0.01				
5/13/2008	<0.01		<0.01			
5/14/2008				<0.01		
12/4/2008		<0.01	<0.01			
12/5/2008	<0.01			<0.01		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		<0.01	<0.01			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	<0.01	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		<0.01				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						<0.01
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		<0.01				<0.01

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	<0.01		
4/10/2014			<0.01			0.0025 (J)
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				<0.01		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				<0.01		
3/30/2015	<0.01	<0.01	<0.01			<0.01
3/31/2015				<0.01		
10/11/2015						<0.01
10/12/2015				<0.01		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
7/29/2016	<0.01	<0.01	<0.01	<0.01		
8/1/2016						0.0004 (J)
3/30/2017	<0.01	<0.01		<0.01		
4/3/2017			<0.01			
4/7/2017					<0.01	0.0005 (J)
10/2/2017	<0.01	<0.01	<0.01			0.0006 (J)
10/3/2017					<0.01	
10/4/2017				<0.01		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			<0.01		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		<0.01		
3/21/2019					<0.01	
9/12/2019	<0.01	<0.01 (D)			<0.01	
9/13/2019			<0.01	<0.01		0.00045 (J)
3/11/2020	<0.01	<0.01	<0.01	<0.01		0.00039 (J)
3/12/2020					<0.01	

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01	
11/19/2007						<0.01
11/20/2007		<0.01	<0.01			
1/16/2008						<0.01
1/30/2008		<0.01	<0.01	<0.01	<0.01	
3/5/2008				<0.01		0.0046
3/6/2008		<0.01	<0.01		<0.01	
5/7/2008				<0.01	<0.01	
5/8/2008			<0.01			
5/12/2008		<0.01				
5/13/2008						<0.01
12/12/2008	<0.01					
12/13/2008		<0.01				<0.01
12/14/2008			<0.01	<0.01	<0.01	
4/16/2009						<0.01
4/23/2009	<0.01					
4/29/2009		<0.01	<0.01	<0.01	<0.01	
10/6/2009	0.0048					
10/20/2009		<0.01				
10/21/2009			<0.01			<0.01
10/22/2009				<0.01	<0.01	
4/21/2010			<0.01	<0.01	<0.01	
4/26/2010		<0.01				
4/27/2010						<0.01
5/3/2010	<0.01					
9/28/2010			<0.01	<0.01		
9/29/2010		<0.01			<0.01	
10/5/2010						<0.01
10/11/2010	<0.01					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						<0.01
4/27/2011	0.004					
10/4/2011			<0.01	<0.01	<0.01	
10/5/2011		<0.01				
10/12/2011						<0.01
10/19/2011	<0.01					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	<0.01					<0.01
10/3/2012		<0.01		<0.01	<0.01	
10/8/2012			<0.01			
4/2/2013						<0.01
4/3/2013		<0.01	<0.01	<0.01	<0.01	
4/10/2013	<0.01					
10/9/2013				<0.01	<0.01	
10/15/2013		<0.01	<0.01			<0.01
10/16/2013	0.0034					

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.01
4/2/2014				<0.01	<0.01	
4/9/2014		<0.01	<0.01			
4/22/2014	0.0034					
10/1/2014	0.0012 (J)					
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01
3/30/2015	0.003					
4/1/2015				<0.01	<0.01	<0.01
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	0.0018 (J)			<0.01	<0.01	
10/12/2015			<0.01			
10/14/2015						<0.01
3/28/2016	0.0022 (J)					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	<0.01	<0.01
8/1/2016	0.0016 (J)					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
4/3/2017	0.0022 (J)					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						<0.01
10/2/2017	0.0021 (J)					
10/4/2017		<0.01	<0.01	<0.01	<0.01	<0.01
3/16/2018	0.0023 (J)					
3/20/2018		<0.01				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	<0.01
9/18/2018	0.0017 (J)	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2019	0.0017 (J)					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	<0.01	<0.01
9/12/2019	0.0028 (J)					
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)
3/11/2020	0.0013 (J)					
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.01	<0.01				
8/23/2007					<0.01	<0.01
8/24/2007			<0.01	<0.01		
10/25/2007						<0.01
11/1/2007	<0.01	<0.01				
11/2/2007			<0.01	<0.01	<0.01	
11/17/2007			<0.01		<0.01	
11/18/2007				<0.01		
11/19/2007	<0.01	<0.01				<0.01
1/15/2008			<0.01	<0.01	<0.01	
1/23/2008						<0.01
1/31/2008	<0.01	<0.01				
3/5/2008	<0.01	<0.01	<0.01			
3/6/2008					<0.01	
3/10/2008				<0.01		
3/11/2008						<0.01
5/7/2008		<0.01	<0.01		<0.01	
5/12/2008	<0.01					<0.01
5/13/2008				<0.01		
12/2/2008			<0.01	<0.01	<0.01	
12/11/2008						<0.01
12/12/2008		<0.01				
12/13/2008	<0.01					
4/15/2009						<0.01
4/16/2009			<0.01			
4/28/2009	<0.01			<0.01	<0.01	
4/29/2009		0.0026				
10/9/2009						<0.01
10/19/2009					<0.01	
10/20/2009			<0.01	<0.01		
10/21/2009	<0.01	<0.01				
4/20/2010			<0.01			
4/27/2010				<0.01	<0.01	
4/28/2010	<0.01	<0.01				
5/4/2010						<0.01
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			<0.01		
10/6/2010		<0.01				
10/12/2010						<0.01
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	<0.01			<0.01		
4/20/2011		<0.01				
4/28/2011						<0.01
10/4/2011			<0.01			
10/12/2011		<0.01		<0.01	<0.01	
10/18/2011	<0.01					
10/19/2011						<0.01
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	<0.01	<0.01				
10/9/2012						<0.01
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						<0.01
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						<0.01
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	<0.01	<0.01				
4/21/2014			<0.01	<0.01	<0.01	
4/23/2014						<0.01
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						<0.01
3/31/2015		<0.01				<0.01
4/1/2015	<0.01					
4/3/2015			<0.01	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			<0.01		<0.01	
10/12/2015						<0.01
10/14/2015		<0.01				
10/15/2015	<0.01					
3/28/2016						<0.01
4/4/2016	<0.01	<0.01				
4/5/2016			<0.01	<0.01	<0.01	
8/1/2016						<0.01
8/4/2016	<0.01				<0.01	
8/9/2016			<0.01			
4/3/2017						<0.01
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	<0.01				<0.01	
10/3/2017						<0.01
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	<0.01	
10/9/2017	<0.01					
3/19/2018						<0.01
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	<0.01		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			<0.01	<0.01	<0.01	
9/18/2019	<0.01	<0.01				

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/13/2020	<0.01		<0.01	<0.01	<0.01	
3/16/2020						<0.01
3/17/2020		<0.01				

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

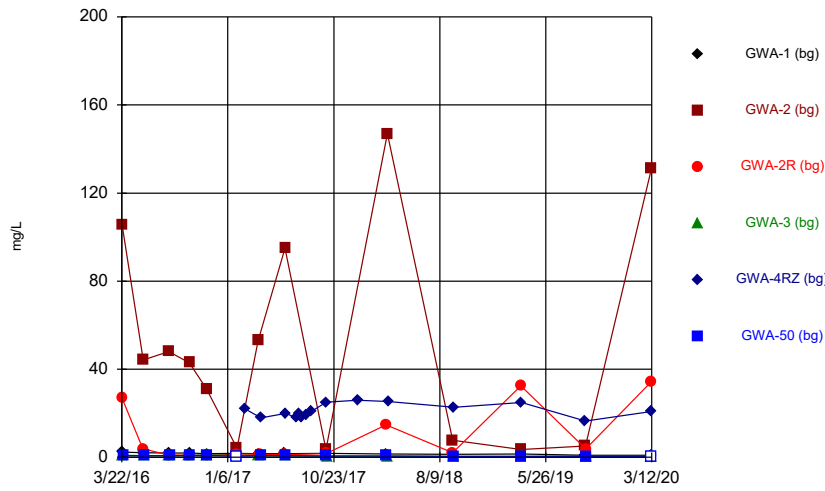
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						<0.01
11/20/2007	<0.01					
1/15/2008						<0.01
1/23/2008	<0.01					
3/6/2008						<0.01
3/11/2008	<0.01					
5/13/2008						<0.01
5/14/2008	<0.01					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						<0.01
4/23/2009	<0.01					
10/9/2009	<0.01					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	<0.01					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				<0.01		
4/14/2014	<0.01					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	<0.01					
4/1/2015	<0.01					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			<0.01 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				<0.01	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						<0.01 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Silver (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

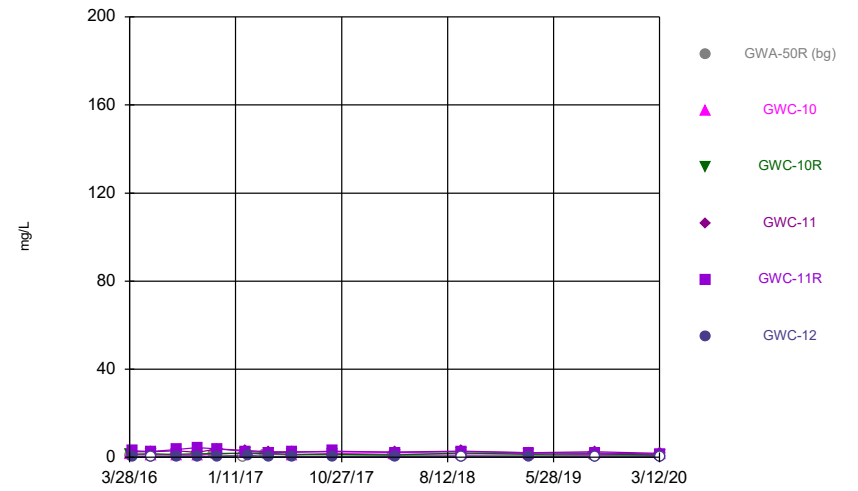
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	

Time Series



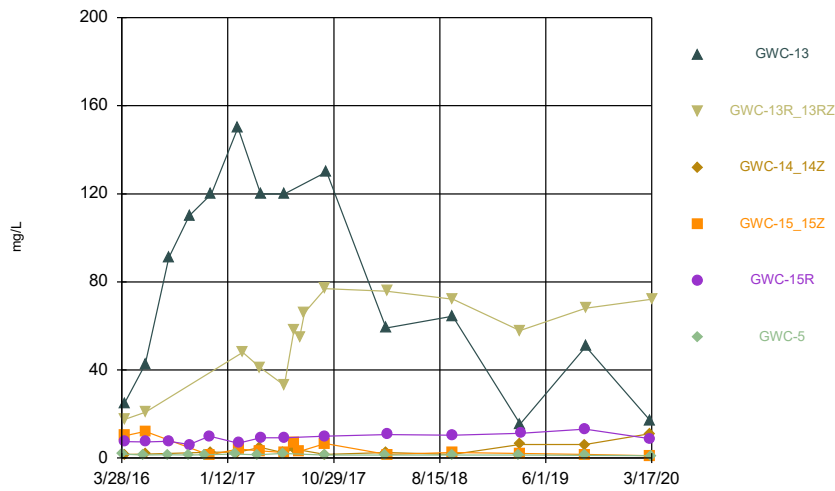
Constituent: Sulfate, as SO4 Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



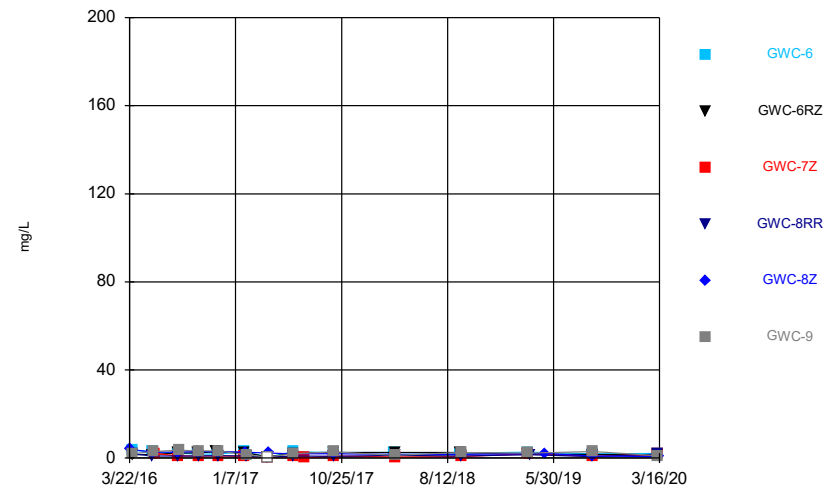
Constituent: Sulfate, as SO4 Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Sulfate, as SO4 Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Sulfate, as SO4 Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/7/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	2.3685					
3/23/2016		105.552	26.8249	0.8724 (J)		
3/28/2016						0.7283 (J)
5/19/2016	2.14		3.81			
5/20/2016		44.3				
5/23/2016				0.805 (J)		0.728 (J)
7/29/2016	1.9	48	1.1	0.84 (J)		
8/1/2016						0.78 (J)
9/22/2016			0.96 (J)	0.94 (J)		
9/23/2016	2	43				
9/26/2016						0.82 (J)
11/9/2016	1.6	31				
11/10/2016			0.72 (J)	1.1		0.92 (J)
1/30/2017	1.8					<1
1/31/2017		4.2	1.5	0.92 (J)		
2/22/2017					22	
3/30/2017	1.6	53		0.77 (J)		
4/3/2017			1.3			
4/7/2017					18	0.82 (J)
6/9/2017	1.7		1.2			
6/12/2017		95		0.68 (J)		0.78 (J)
6/14/2017					20	
7/12/2017					18	
7/20/2017					20	
7/28/2017					18	
8/9/2017					19	
8/24/2017					21	
10/2/2017	1.8	3.5	1.7			0.71 (J)
10/3/2017					25	
10/4/2017				0.5 (J)		
12/28/2017					26 (Y)	
3/16/2018	1.5		14.8 (J)			0.67 (J)
3/19/2018		147		0.49 (J)		
3/21/2018					25.4	
9/14/2018		7.7	2.1			
9/17/2018	1.3 (D)			0.36 (J)		0.47 (J)
9/18/2018					22.8	
3/19/2019			32.5 (J)			0.52 (J)
3/20/2019	1.5	3.6		0.38 (J)		
3/21/2019					24.9	
9/12/2019	0.98 (J)	5.2			16.5	
9/13/2019			3.8	<1		0.55 (J)
3/11/2020	0.94 (J)	131	34.3	<1		<1
3/12/2020					20.8	

Time Series

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/7/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	0.9594 (J)					
3/31/2016		1.17	1.5			
4/4/2016				2.57	2.99	0.3574 (J)
5/25/2016	1.59					
5/26/2016		1.01	1.51	2.5	2.68	
5/27/2016						<1
8/1/2016	1					
8/3/2016			1.4	3		0.35 (J)
8/4/2016					3.6	
8/5/2016		1.1				
9/26/2016	1.2					
9/28/2016		1	1.6	2.3	4.4	
9/30/2016						0.47 (J)
11/11/2016	1.2					
11/22/2016		1.8	1.6	3.8	3.8	0.36 (J)
1/30/2017	<1					
2/7/2017		1.7	2			
2/8/2017				3.1	2.7	
2/13/2017						0.79 (J)
4/3/2017	1.3					
4/10/2017		1.9	1.7	2.5	2.2	
4/11/2017						0.42 (J)
6/12/2017	1.1					
6/14/2017		1.1	1.4			0.3 (J)
6/15/2017				2.5	2.3	
10/2/2017	1.1					
10/4/2017		1.8	1.4	2.5	2.8	0.36 (J)
3/16/2018	0.87 (J)					
3/20/2018		1.4				
3/21/2018			1.1	2.4		
3/22/2018					2.2	0.3 (J)
9/18/2018	0.87 (J)	1.6	1.9	2.8	2.6	<1
3/19/2019	0.97 (J)					
3/22/2019		1.6	1.3			
3/23/2019				2.1	2.1	0.3 (J)
9/12/2019	0.8 (J)					
9/17/2019		1.2	1.6	2.6	2	<1 (D)
3/11/2020	0.85 (J)					
3/12/2020		1.3	0.99 (J)	1.8	1.5	<1

Time Series

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/7/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/28/2016						1.87
4/4/2016	24.8	17.5				
4/5/2016			1.65	10.1	7.45	
5/25/2016						1.41
5/31/2016	42.5			12.1	7.29	
6/1/2016		20.9	1.75			
8/1/2016						1.5
8/4/2016	91				7.6	
9/27/2016						1.4
9/29/2016	110				6.1	
11/11/2016						1.5
11/23/2016				1.3	10	
11/28/2016	120		2.7			
1/31/2017						1.8
2/9/2017	150		2.7			
2/10/2017				4.2	6.7	
2/22/2017		48				
4/3/2017						1.5
4/11/2017		41	4.9	3.2		
4/12/2017	120				9.2	
6/12/2017						2.1
6/14/2017			2.4			
6/15/2017				2.5	9.2	
6/16/2017	120	33				
7/12/2017		58	4.1	6.9		
7/26/2017				2.9		
7/28/2017		55				
8/10/2017		66				
10/3/2017						1.4
10/5/2017			1.6			
10/6/2017		77		6.6	10	
10/9/2017	130					
3/19/2018						1.3
3/21/2018	59.1					
3/22/2018			2.5			
3/23/2018		75.8		1.6	10.6	
9/17/2018						1.3
9/19/2018	64.5		1.7	2.6	10.4	
9/20/2018		72.2				
3/20/2019						1.3
3/22/2019		57.9	6.2	2.1		
3/23/2019	15.5 (J)					
3/25/2019					11.2	
9/16/2019						1.2
9/17/2019			6.1	1.6	13.1	
9/18/2019	50.7	68.1				
3/13/2020	16.9		11.1	1.1	8.8	
3/16/2020						1.1
3/17/2020		72.1				

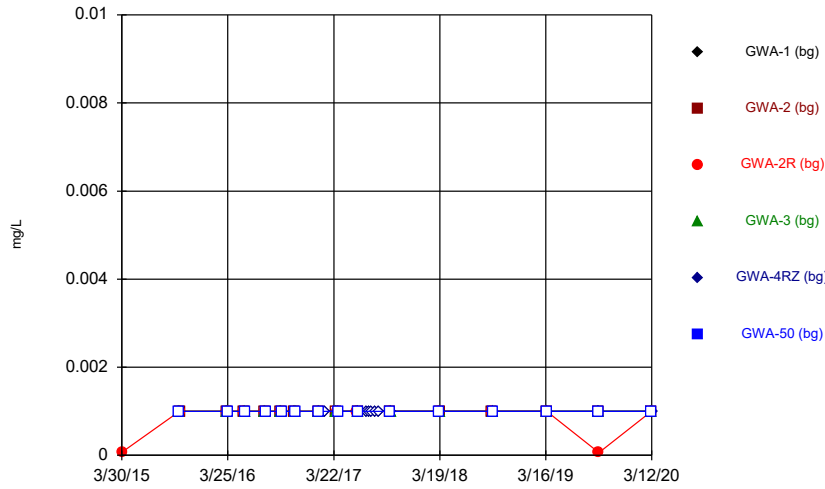
Time Series

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/7/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

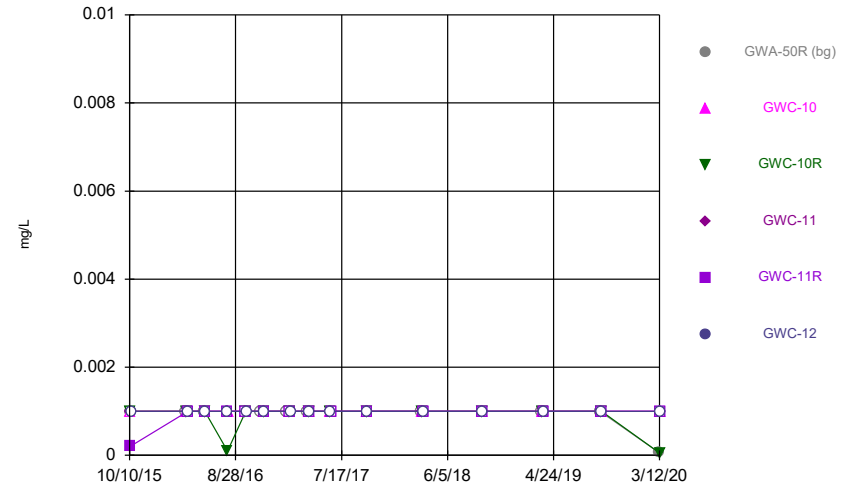
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					3.9321	
3/29/2016	3.5801	1.4863				
3/30/2016				1.9542		2
5/24/2016	2.79	1.62		0.989 (J)		
5/25/2016					2.68	
5/26/2016						2.93
5/31/2016			2.03			
8/1/2016	2.2	2.3				
8/2/2016			0.96 (J)	1	2.7	
8/5/2016						3.6
9/26/2016	1.8	2.4			2.9	
9/27/2016			0.87 (J)	0.95 (J)		
9/28/2016						3.2
11/14/2016		2.8				
11/18/2016	1.8					
11/21/2016			0.93 (J)		2.8	3.3
11/22/2016				1.1		
2/1/2017	2.8	2.6	0.76 (J)			
2/3/2017					2.7	
2/6/2017				0.96 (J)		1.3
4/6/2017	<1	<1	<1	<1		<1
4/7/2017					2.3	
6/13/2017	2.8	2.2	0.58 (J)		2	2
6/14/2017				0.97 (J)		
7/14/2017			0.04 (J)			
10/3/2017	2.6	2.6	0.87 (J)		1.9	2.8
10/4/2017				0.84 (J)		
3/19/2018	2.6					
3/20/2018		2.5	0.5 (J)		1.6	1.2
3/21/2018				1.2		
9/17/2018	2.2	2.5				
9/18/2018			0.65 (J)	0.9 (J)	1.6	2.6
3/21/2019	2.7	1.7	1.9			2.3
3/27/2019				1.5		
5/6/2019					2.1	
9/13/2019			0.76 (J)			
9/16/2019	2	1.6		0.69 (JD)	1	3
3/12/2020	2.1	1.4	1.7	1.8		1.1
3/16/2020					0.66 (J)	

Time Series



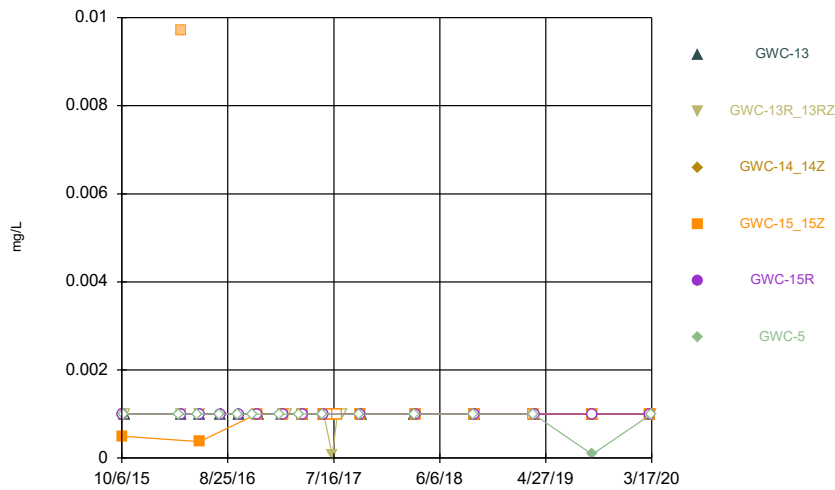
Constituent: Thallium Analysis Run 4/7/2020 9:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



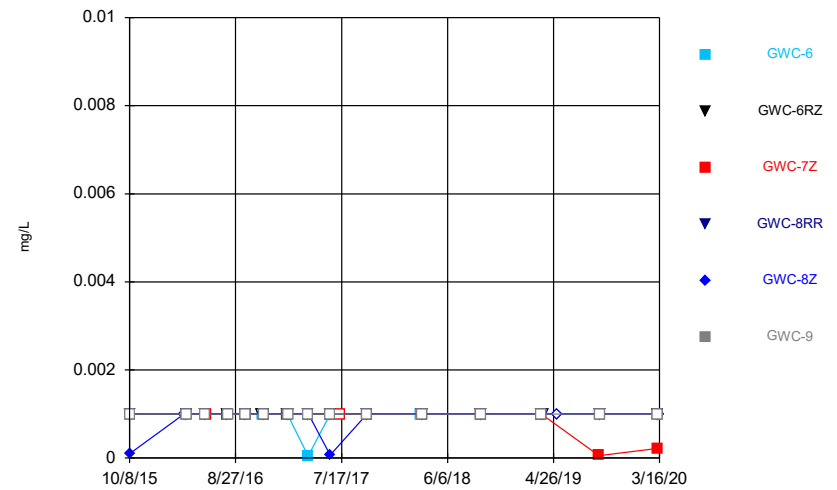
Constituent: Thallium Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Thallium Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Thallium Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/30/2015			7E-05			
10/11/2015						<0.001
10/12/2015				<0.001		
10/13/2015	<0.001	<0.001	<0.001			
3/22/2016	<0.001					
3/23/2016		<0.001	<0.001	<0.001		
3/28/2016						<0.001
5/19/2016	<0.001		<0.001			
5/20/2016		<0.001				
5/23/2016				<0.001		<0.001
7/29/2016	<0.001	<0.001	<0.001	<0.001		
8/1/2016						<0.001
9/22/2016			<0.001	<0.001		
9/23/2016	<0.001	<0.001				
9/26/2016						<0.001
11/9/2016	<0.001	<0.001				
11/10/2016			<0.001	<0.001		<0.001
1/30/2017	<0.001					<0.001
1/31/2017		<0.001	<0.001	<0.001		
2/22/2017					<0.001	
3/30/2017	<0.001	<0.001		<0.001		
4/3/2017			<0.001			
4/7/2017					<0.001	<0.001
6/9/2017	<0.001		<0.001			
6/12/2017		<0.001		<0.001		<0.001
6/14/2017					<0.001	
7/12/2017					<0.001	
7/20/2017					<0.001	
7/28/2017					<0.001	
8/9/2017					<0.001	
8/24/2017					<0.001	
10/2/2017	<0.001	<0.001	<0.001			<0.001
10/3/2017					<0.001	
10/4/2017				<0.001		
3/16/2018	<0.001		<0.001			<0.001
3/19/2018		<0.001		<0.001		
3/21/2018					<0.001	
9/14/2018		<0.001	<0.001			
9/17/2018	<0.001 (D)			<0.001		<0.001
9/18/2018					<0.001	
3/19/2019			<0.001			<0.001
3/20/2019	<0.001	<0.001		<0.001		
3/21/2019					<0.001	
9/12/2019	<0.001	<0.001 (D)			<0.001	
9/13/2019			6.2E-05 (J)	<0.001		<0.001
3/11/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/12/2020					<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
10/10/2015		<0.001				
10/11/2015	<0.001			<0.001	0.0002	
10/12/2015			<0.001			
10/14/2015						<0.001
3/28/2016	<0.001					
3/31/2016		<0.001	<0.001			
4/4/2016				<0.001	<0.001	<0.001
5/25/2016	<0.001					
5/26/2016		<0.001	<0.001	<0.001	<0.001	
5/27/2016						<0.001
8/1/2016	<0.001					
8/3/2016			0.0001 (J)	<0.001		<0.001
8/4/2016					<0.001	
8/5/2016		<0.001				
9/26/2016	<0.001					
9/28/2016		<0.001	<0.001	<0.001	<0.001	
9/30/2016						<0.001
11/11/2016	<0.001					
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001
1/30/2017	<0.001					
2/7/2017		<0.001	<0.001			
2/8/2017				<0.001	<0.001	
2/13/2017						<0.001
4/3/2017	<0.001					
4/10/2017		<0.001	<0.001	<0.001	<0.001	
4/11/2017						<0.001
6/12/2017	<0.001					
6/14/2017		<0.001	<0.001			<0.001
6/15/2017				<0.001	<0.001	
10/2/2017	<0.001					
10/4/2017		<0.001	<0.001	<0.001	<0.001	<0.001
3/16/2018	<0.001					
3/20/2018		<0.001				
3/21/2018			<0.001	<0.001		
3/22/2018					<0.001	<0.001
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2019	<0.001					
3/22/2019		<0.001	<0.001			
3/23/2019				<0.001	<0.001	<0.001
9/12/2019	<0.001					
9/17/2019		<0.001	<0.001	<0.001	<0.001	<0.001 (D)
3/11/2020	5.9E-05 (J)					
3/12/2020		<0.001	5.4E-05 (J)	<0.001	<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
10/6/2015				0.0005 (D)		
10/7/2015			<0.001 (D)		<0.001 (D)	
10/12/2015						<0.001
10/14/2015		<0.001				
10/15/2015	<0.001					
3/28/2016						<0.001
4/4/2016	<0.001	<0.001				
4/5/2016			<0.001	0.00971 (o)	<0.001	
5/25/2016						<0.001
5/31/2016	<0.001			0.000373 (J)	<0.001	
6/1/2016		<0.001	<0.001			
8/1/2016						<0.001
8/4/2016	<0.001				<0.001	
8/9/2016			<0.001			
9/27/2016						<0.001
9/29/2016	<0.001				<0.001	
11/11/2016						<0.001
11/23/2016				<0.001	<0.001	
11/28/2016	<0.001		<0.001			
1/31/2017						<0.001
2/9/2017	<0.001		<0.001			
2/10/2017				<0.001	<0.001	
2/22/2017		<0.001				
4/3/2017						<0.001
4/11/2017		<0.001	<0.001	<0.001		
4/12/2017	<0.001				<0.001	
6/12/2017						<0.001
6/14/2017			<0.001			
6/15/2017				<0.001	<0.001	
6/16/2017	<0.001	<0.001				
7/12/2017		6E-05 (J)	<0.001	<0.001		
7/26/2017				<0.001		
7/28/2017		<0.001				
8/10/2017		<0.001				
10/3/2017						<0.001
10/5/2017			<0.001			
10/6/2017		<0.001		<0.001	<0.001	
10/9/2017	<0.001					
3/19/2018						<0.001
3/21/2018	<0.001					
3/22/2018			<0.001			
3/23/2018		<0.001		<0.001	<0.001	
9/17/2018						<0.001
9/19/2018	<0.001		<0.001	<0.001	<0.001	
9/20/2018		<0.001				
3/20/2019						<0.001
3/22/2019		<0.001	<0.001	<0.001		
3/23/2019	<0.001					
3/25/2019					<0.001	
9/16/2019						8.4E-05 (J)
9/17/2019			<0.001	<0.001	<0.001	
9/18/2019	<0.001	<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

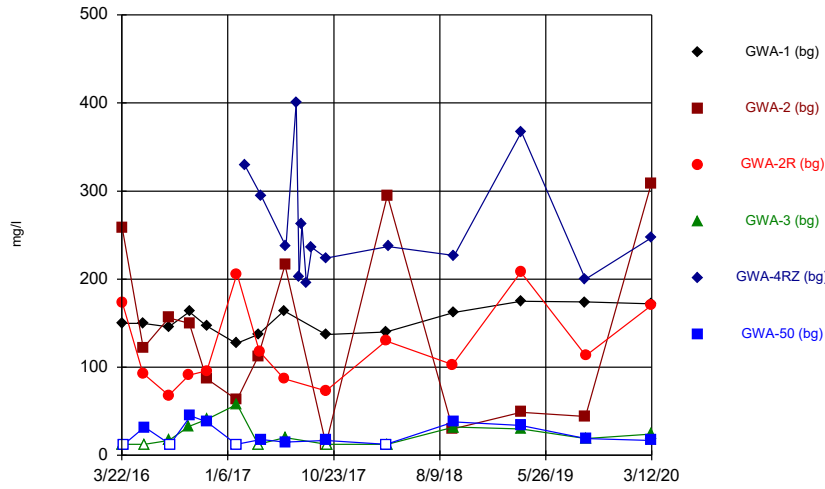
	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/13/2020	<0.001		<0.001	<0.001	<0.001	
3/16/2020						<0.001
3/17/2020		<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

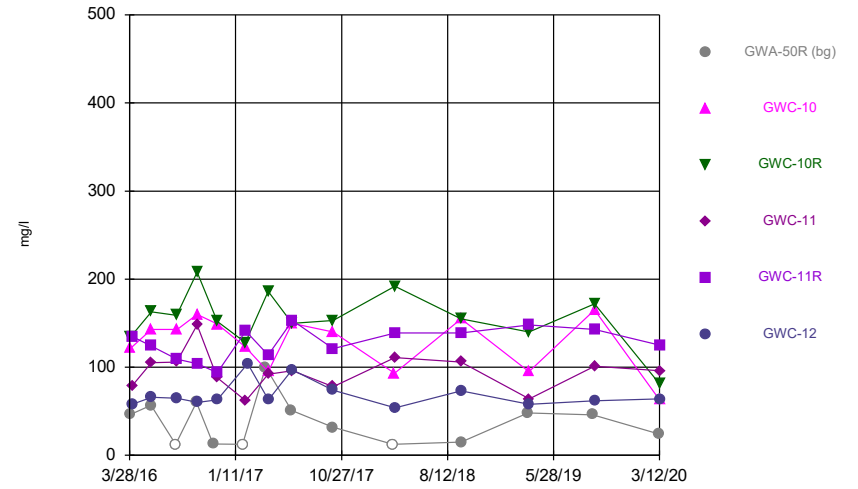
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
10/8/2015				<0.001 (D)	0.0001 (D)	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			<0.001	<0.001	<0.001	
8/5/2016						<0.001
9/26/2016	<0.001	<0.001			<0.001	
9/27/2016			<0.001	<0.001		
9/28/2016						<0.001
11/14/2016		<0.001				
11/18/2016	<0.001					
11/21/2016			<0.001		<0.001	<0.001
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	<0.001			
2/3/2017					<0.001	
2/6/2017				<0.001		<0.001
4/6/2017	5E-05 (J)	<0.001	<0.001	<0.001		<0.001
4/7/2017					<0.001	
6/13/2017	<0.001	<0.001	<0.001		7E-05 (J)	<0.001
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	<0.001		<0.001	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		<0.001	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					<0.001	
9/13/2019			5.7E-05 (J)			
9/16/2019	<0.001	<0.001		<0.001 (D)	<0.001	<0.001
3/12/2020	<0.001	<0.001	0.00022 (J)	<0.001		<0.001
3/16/2020					<0.001	

Time Series



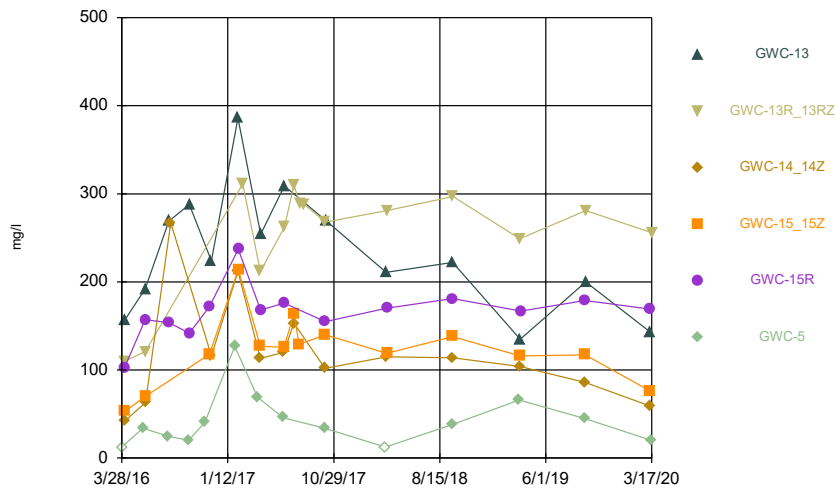
Constituent: Total Dissolved Solids Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



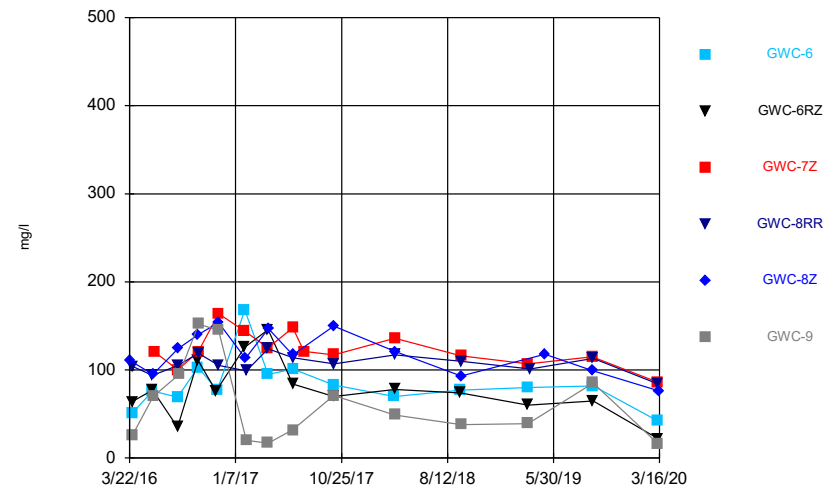
Constituent: Total Dissolved Solids Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/7/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	150					
3/23/2016		259	174	<25		
3/28/2016						<25
5/19/2016	150		93			
5/20/2016		122				
5/23/2016				<25		32
7/29/2016	146	156	68	17 (J)		
8/1/2016						<25
9/22/2016			91	33		
9/23/2016	163	150				
9/26/2016						45
11/9/2016	147	87				
11/10/2016			96	41		38
1/30/2017	127					<25
1/31/2017		63	206	58		
2/22/2017					329	
3/30/2017	137	112		<25		
4/3/2017			118			
4/7/2017					295	18 (J)
6/9/2017	164		87			
6/12/2017		216		20 (J)		15 (J)
6/14/2017					237	
7/12/2017					400	
7/20/2017					203	
7/28/2017					262	
8/9/2017					195	
8/24/2017					236	
10/2/2017	137	<25	73			17 (J)
10/3/2017					224	
10/4/2017				<25		
3/16/2018	140		130			<25
3/19/2018		295		<25		
3/21/2018					237	
9/14/2018		30	103			
9/17/2018	162			32		38
9/18/2018					227	
3/19/2019			208			34
3/20/2019	175	49		30		
3/21/2019					367	
9/12/2019	174	44			200	
9/13/2019			113	19		19
3/11/2020	172	309	170	24		17
3/12/2020					247	

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/7/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	46					
3/31/2016		122	135			
4/4/2016				79	135	58
5/25/2016	57					
5/26/2016		143	163	105	124	
5/27/2016						66
8/1/2016	<25					
8/3/2016			159	106		65
8/4/2016					109	
8/5/2016		143				
9/26/2016	60					
9/28/2016		160	208	148	104	
9/30/2016						60
11/11/2016	13 (J)					
11/22/2016		149	152	88	94	63
1/30/2017	<25					
2/7/2017		123	128			
2/8/2017				62	141 (J)	
2/13/2017						104 (J)
4/3/2017	100					
4/10/2017		95	186	92	114	
4/11/2017						63
6/12/2017	51					
6/14/2017		150	150			97
6/15/2017				96	153	
10/2/2017	32					
10/4/2017		140	153	78	121	74
3/16/2018	<25					
3/20/2018		93				
3/21/2018			192	111		
3/22/2018					139	54
9/18/2018	15 (J)	155	155	106	139	73
3/19/2019	48					
3/22/2019		95	140			
3/23/2019				64	148	58
9/12/2019	46					
9/17/2019		165	172	101	143	62
3/11/2020	24					
3/12/2020		63	81	96	125	64

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/7/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/28/2016						<25
4/4/2016	156	110				
4/5/2016			42	53	103	
5/25/2016						34
5/31/2016	192			70	157	
6/1/2016		121	63			
8/1/2016						25
8/4/2016	269				154	
8/9/2016			267			
9/27/2016						20 (J)
9/29/2016	288				142	
11/11/2016						41
11/23/2016				118	172	
11/28/2016	224		116			
1/31/2017						127
2/9/2017	386		212 (J)			
2/10/2017				214	237	
2/22/2017		311				
4/3/2017						69
4/11/2017		212	113	127		
4/12/2017	254				168	
6/12/2017						46
6/14/2017			120			
6/15/2017				126	176	
6/16/2017	309	262				
7/12/2017		310	153	164		
7/26/2017				129		
7/28/2017		289				
8/10/2017		288				
10/3/2017						34
10/5/2017			102			
10/6/2017		268		140	155	
10/9/2017	269					
3/19/2018						<25
3/21/2018	211					
3/22/2018			115			
3/23/2018		281		119	170	
9/17/2018						38
9/19/2018	222		114	138	181	
9/20/2018		297				
3/20/2019						66
3/22/2019		249	104	116		
3/23/2019	135					
3/25/2019					167	
9/16/2019						45
9/17/2019			86	117	179	
9/18/2019	200	281				
3/13/2020	143		59	76	169	
3/16/2020						20
3/17/2020		256				

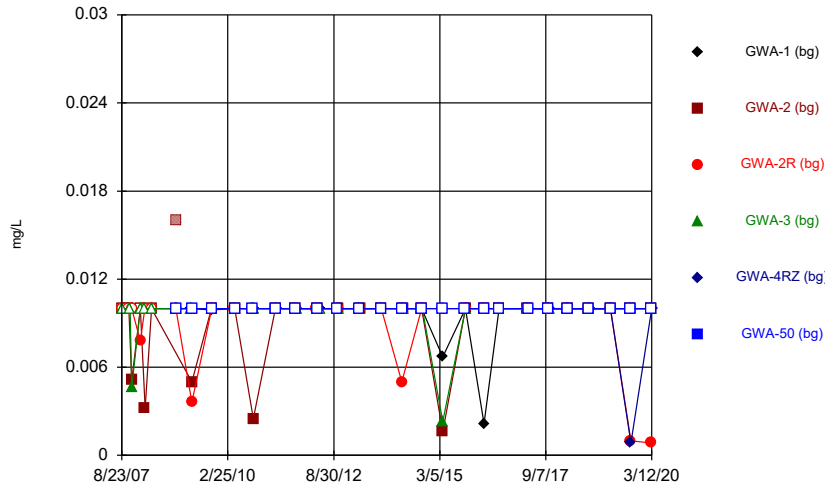
Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/7/2020 9:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

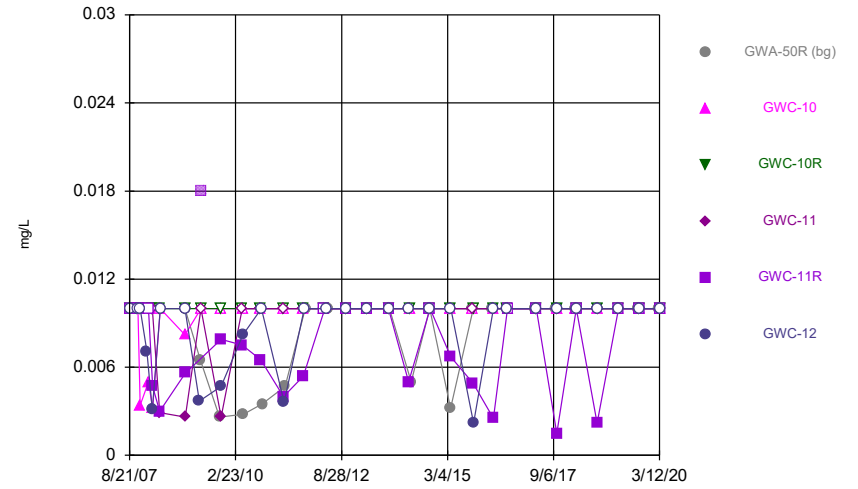
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					111	
3/29/2016	51	64				
3/30/2016				104		26
5/24/2016	76	77		94		
5/25/2016					95	
5/26/2016						70
5/31/2016			120			
8/1/2016	69	35				
8/2/2016			100	105	124	
8/5/2016						95
9/26/2016	103	111			140	
9/27/2016			121	119		
9/28/2016						152
11/14/2016		76				
11/18/2016	77					
11/21/2016			164		154	145
11/22/2016				105		
2/1/2017	168	126	144			
2/3/2017					113	
2/6/2017				99		20 (J)
4/6/2017	95	146	125	124		17 (J)
4/7/2017					147	
6/13/2017	101	84	148		117	32
6/14/2017				114		
7/14/2017			121			
10/3/2017	83	70	117		150	71
10/4/2017				107		
3/19/2018	70					
3/20/2018		78	136		121	49
3/21/2018				117		
9/17/2018	77	74				
9/18/2018			116	110	93	38
3/21/2019	80	60	107			39
3/27/2019				101		
5/6/2019					118	
9/13/2019			115			
9/16/2019	82	65		113	99	85
3/12/2020	42	22	86	84		16
3/16/2020					76	

Time Series



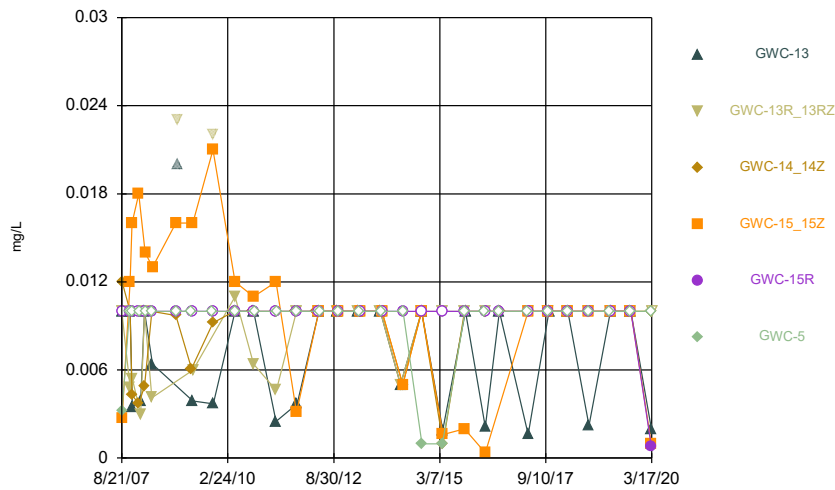
Constituent: Vanadium Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



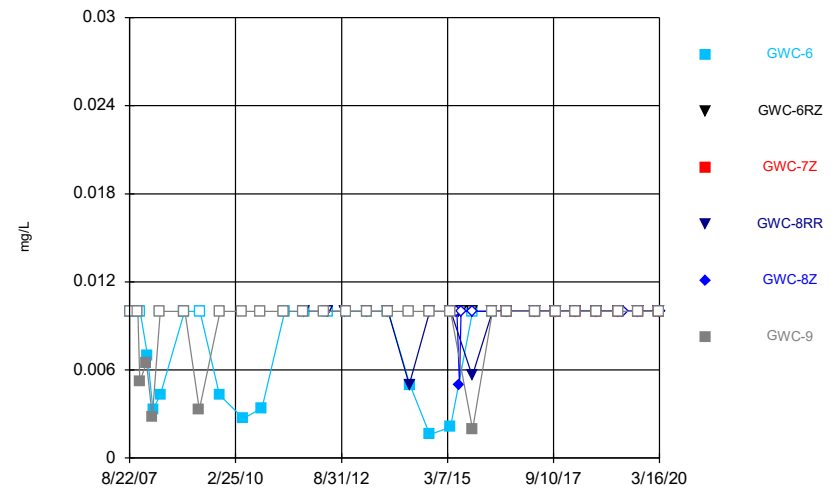
Constituent: Vanadium Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Vanadium Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Vanadium Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	<0.01		
10/23/2007	<0.01					
10/24/2007		<0.01	<0.01			
11/2/2007				<0.01		
11/18/2007	<0.01	0.0051	<0.01	0.0046		
1/30/2008	<0.01					
1/31/2008		<0.01	0.0078	<0.01		
3/10/2008	<0.01		<0.01			
3/11/2008		0.0032		<0.01		
5/6/2008		<0.01				
5/13/2008	<0.01		<0.01			
5/14/2008				<0.01		
12/4/2008		0.016 (o)	<0.01			
12/5/2008	<0.01			<0.01		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		0.005	0.0036			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	0.0099	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		0.0025				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						<0.01
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		<0.01				<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	<0.01		
4/10/2014			0.005 (J)			<0.01
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				<0.01		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				<0.01		
3/30/2015	0.0067	0.0016 (J)	<0.01			<0.01
3/31/2015				0.0023 (J)		
10/11/2015						<0.01
10/12/2015				<0.01		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	0.00214 (J)					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
7/29/2016	<0.01	<0.01	<0.01	<0.01		
8/1/2016						<0.01
3/30/2017	<0.01	<0.01		<0.01		
4/3/2017			<0.01			
4/7/2017					<0.01	<0.01
10/2/2017	<0.01	<0.01	<0.01			<0.01
10/3/2017					<0.01	
10/4/2017				<0.01		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			<0.01		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		<0.01		
3/21/2019					<0.01	
9/12/2019	<0.01	<0.01 (D)			0.00084 (J)	
9/13/2019			0.001 (J)	<0.01		<0.01
3/11/2020	<0.01	<0.01	0.00084 (J)	<0.01		<0.01
3/12/2020					<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01	
11/19/2007						<0.01
11/20/2007		0.0034	<0.01			
1/16/2008						0.0071
1/30/2008		0.005	<0.01	<0.01	<0.01	
3/5/2008				<0.01		0.0031
3/6/2008		0.0032	<0.01		0.0047	
5/7/2008				0.0029	0.003	
5/8/2008			<0.01			
5/12/2008		<0.01				
5/13/2008						<0.01
12/12/2008	<0.01					
12/13/2008		0.0082				<0.01
12/14/2008			<0.01	0.0026	0.0056	
4/16/2009						0.0037
4/23/2009	0.0065					
4/29/2009		<0.01	<0.01	<0.01	0.018 (o)	
10/6/2009	0.0026					
10/20/2009		<0.01				
10/21/2009			<0.01			0.0047
10/22/2009				0.0026	0.0079	
4/21/2010			<0.01	<0.01	0.0075	
4/26/2010		<0.01				
4/27/2010						0.0082
5/3/2010	0.0028					
9/28/2010			<0.01	<0.01		
9/29/2010		<0.01			0.0065	
10/5/2010						<0.01
10/11/2010	0.0035					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			0.004	
4/19/2011						0.0036
4/27/2011	0.0047					
10/4/2011			<0.01	<0.01	0.0054	
10/5/2011		<0.01				
10/12/2011						<0.01
10/19/2011	<0.01					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	<0.01					<0.01
10/3/2012		<0.01		<0.01	<0.01	
10/8/2012			<0.01			
4/2/2013						<0.01
4/3/2013		<0.01	<0.01	<0.01	<0.01	
4/10/2013	<0.01					
10/9/2013				<0.01	<0.01	<0.01
10/15/2013		<0.01	<0.01			
10/16/2013	<0.01					

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.01
4/2/2014				<0.01	0.005 (J)	
4/9/2014		<0.01	<0.01			
4/22/2014	0.005 (J)					
10/1/2014	<0.01					
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01
3/30/2015	0.0032 (J)					
4/1/2015				<0.01	0.0067	<0.01
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	<0.01			<0.01	0.0049 (J)	
10/12/2015			<0.01			
10/14/2015						0.0022 (J)
3/28/2016	<0.01					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	0.00251 (J)	<0.01
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						<0.01
10/2/2017	<0.01					
10/4/2017		<0.01	<0.01	<0.01	0.0015 (J)	<0.01
3/16/2018	<0.01					
3/20/2018		<0.01				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	<0.01
9/18/2018	<0.01	<0.01	<0.01	<0.01	0.0022 (J)	<0.01
3/19/2019	<0.01					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	<0.01	<0.01
9/12/2019	<0.01					
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)
3/11/2020	<0.01					
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	<0.01	<0.01				
8/23/2007					<0.01	0.0032
8/24/2007			0.012	0.0027		
10/25/2007						<0.01
11/1/2007	<0.01	0.0048				
11/2/2007			<0.01	0.012	<0.01	
11/17/2007			0.0043		<0.01	
11/18/2007				0.016 (J)		
11/19/2007	0.0035	0.0054				<0.01
1/15/2008			0.0037	0.018	<0.01	
1/23/2008						<0.01
1/31/2008	0.0039	0.003				
3/5/2008	<0.01	<0.01	0.0049			
3/6/2008					<0.01	
3/10/2008				0.014		
3/11/2008						<0.01
5/7/2008		0.0041	<0.01		<0.01	
5/12/2008	0.0064					<0.01
5/13/2008				0.013		
12/2/2008			0.0097	0.016	<0.01	
12/11/2008						<0.01
12/12/2008		0.023 (o)				
12/13/2008	0.02 (o)					
4/15/2009						<0.01
4/16/2009			0.0061			
4/28/2009	0.0039			0.016	<0.01	
4/29/2009		0.006				
10/9/2009						<0.01
10/19/2009					<0.01	
10/20/2009			0.0092	0.021		
10/21/2009	0.0037	0.022 (o)				
4/20/2010			<0.01			
4/27/2010				0.012	<0.01	
4/28/2010	<0.01	0.011				
5/4/2010						<0.01
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			0.011		
10/6/2010		0.0064				
10/12/2010						<0.01
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	0.0025			0.012		
4/20/2011		0.0046				
4/28/2011						<0.01
10/4/2011			<0.01			
10/12/2011		<0.01		0.0031	<0.01	
10/18/2011	0.0037					
10/19/2011						<0.01
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	<0.01	<0.01				
10/9/2012						<0.01
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						<0.01
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						<0.01
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	0.005 (J)	0.005 (J)				
4/21/2014			0.005 (J)	0.005 (J)	<0.01	
4/23/2014						<0.01
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						0.00097 (J)
3/31/2015		<0.01				0.00096 (J)
4/1/2015	0.0019 (J)					
4/3/2015			0.001 (J)	0.0016 (J)	<0.01	
10/6/2015				0.002 (J)		
10/7/2015			<0.01		<0.01	
10/12/2015						<0.01
10/14/2015		<0.01				
10/15/2015	<0.01					
3/28/2016						<0.01
4/4/2016	0.00211 (J)	<0.01				
4/5/2016			<0.01	0.00036 (J)	<0.01	
8/1/2016						<0.01
8/4/2016	<0.01				<0.01	
8/9/2016			<0.01			
4/3/2017						<0.01
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	0.0016 (J)				<0.01	
10/3/2017						<0.01
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	<0.01	
10/9/2017	<0.01					
3/19/2018						<0.01
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	0.0022 (J)		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			<0.01	<0.01	<0.01	
9/18/2019	<0.01	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/13/2020	0.002 (J)		<0.01	0.00095 (J)	0.00077 (J)	
3/16/2020						<0.01
3/17/2020		<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

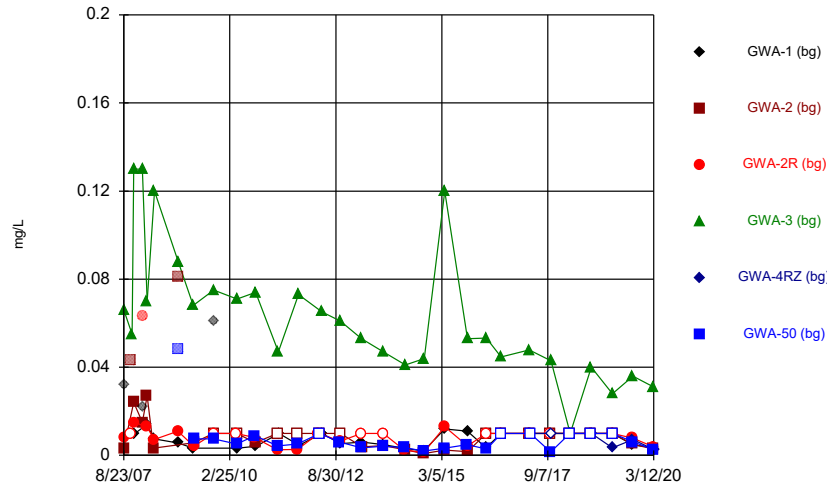
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						0.0052
11/20/2007	<0.01					
1/15/2008						0.0065
1/23/2008	0.007					
3/6/2008						0.0028
3/11/2008	0.0033					
5/13/2008						<0.01
5/14/2008	0.0043					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						0.0033
4/23/2009	<0.01					
10/9/2009	0.0043					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	0.0027					
9/29/2010						<0.01
10/11/2010	0.0034					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				0.005 (J)		
4/14/2014	0.005 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.0016 (J)					
4/1/2015	0.0021 (J)					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			0.005 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				0.0056	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.00195 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

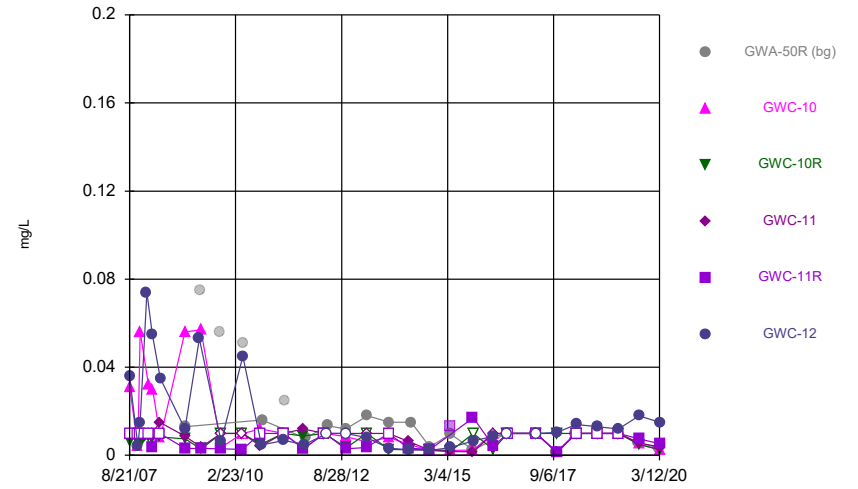
	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	

Time Series



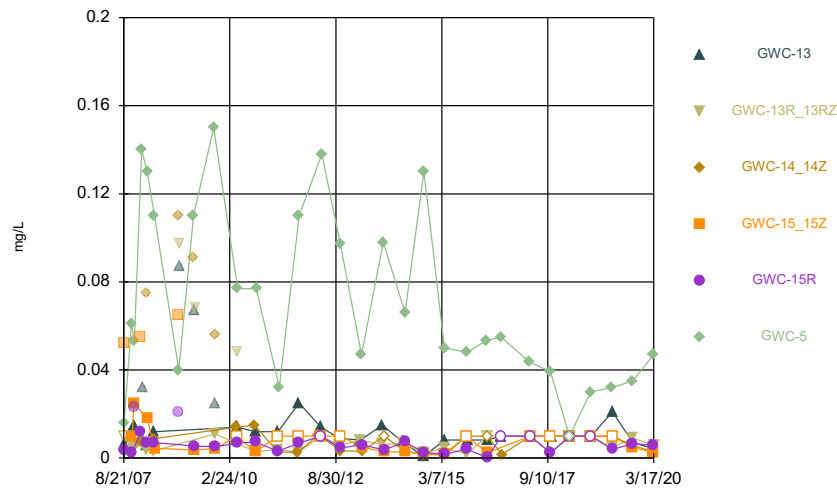
Constituent: Zinc Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



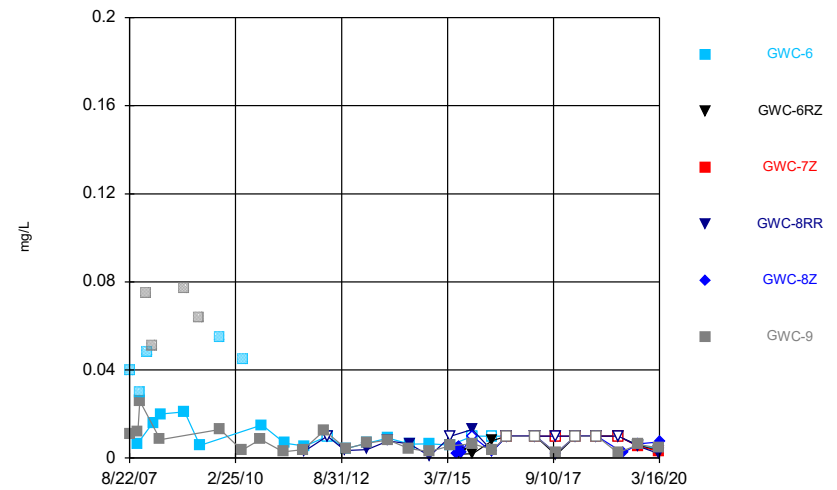
Constituent: Zinc Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Zinc Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Zinc Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	0.032 (o)	0.0033	0.0079	0.066		
10/23/2007	0.0099					
10/24/2007		0.043 (o)	<0.01			
11/2/2007				0.055		
11/18/2007	0.0095 (J)	0.024	0.015	0.13		
1/30/2008	0.022 (o)					
1/31/2008		0.015	0.063 (O)	0.13		
3/10/2008	0.014		0.013 (J)			
3/11/2008		0.027		0.07		
5/6/2008		0.0032				
5/13/2008	0.0075		0.0072			
5/14/2008				0.12		
12/4/2008		0.081 (o)	0.011 (J)			
12/5/2008	0.0056 (J)			0.088		
12/12/2008						0.048 (o)
4/15/2009	0.0033			0.068		
4/21/2009		0.0057	0.0041			
4/23/2009						0.0075
10/6/2009						0.0075
10/7/2009	0.061 (o)	<0.01				
10/8/2009			<0.01	0.075		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						0.0051
4/28/2010				0.071		
5/3/2010	0.0033					
9/28/2010			0.0081			
9/30/2010						0.0089
10/4/2010		0.0057				
10/6/2010				0.074		
10/12/2010	0.0041					
4/12/2011			0.0025			
4/13/2011		<0.01				
4/14/2011						0.0043
4/21/2011				0.047		
4/27/2011	<0.01					
10/4/2011			0.0027			
10/5/2011		<0.01				0.0051
10/13/2011				0.073		
10/17/2011	0.0046					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				0.0652		
5/2/2012	<0.01					
10/2/2012						0.006
10/8/2012	0.0053					
10/9/2012		<0.01	0.0064	0.061		
4/9/2013						0.0034
4/11/2013			<0.01	0.053		
4/12/2013	0.006					
4/15/2013		0.0038				
10/15/2013		0.0044				0.0042

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	0.0048		<0.01	0.047		
4/10/2014			0.0026			0.0035
4/11/2014	0.0033					
4/22/2014		0.0025 (J)				
4/23/2014				0.041		
9/30/2014	0.002 (J)	0.00076 (J)	0.0012 (J)			
10/1/2014						0.0019 (J)
10/4/2014				0.044 (V)		
3/30/2015	0.012	0.0024 (J)	0.013			0.0032
3/31/2015				0.12		
10/11/2015						0.0048
10/12/2015				0.053		
10/13/2015	0.011	0.0017 (J)	0.0043			
3/22/2016	0.00346 (J)					
3/23/2016		<0.01	<0.01	0.0532		
3/28/2016						0.00282 (J)
7/29/2016	<0.01	<0.01	<0.01	0.0446		
8/1/2016						<0.01
3/30/2017	<0.01	<0.01		0.0479		
4/3/2017			<0.01			
4/7/2017					<0.01	<0.01
10/2/2017	<0.01	<0.01	<0.01			0.0015 (J)
10/3/2017					<0.01	
10/4/2017				0.0429		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			0.04		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		0.028		
3/21/2019					0.0034 (J)	
9/12/2019	0.0047 (J)	0.00505 (JD)			0.0072 (J)	
9/13/2019			0.0078 (J)	0.036		0.0061 (J)
3/11/2020	0.0035 (J)	0.0028 (J)	0.0038 (J)	0.031		0.0025 (J)
3/12/2020					0.0027 (J)	

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		0.031	0.0066	<0.01	<0.01	0.036
11/1/2007		0.0041	0.0086	<0.01	<0.01	0.0041
11/18/2007				<0.01	<0.01	
11/19/2007						0.015
11/20/2007		0.056	0.005			
1/16/2008						0.074
1/30/2008		0.032	0.0084	<0.01	<0.01	
3/5/2008				<0.01		0.055
3/6/2008		0.03	0.0073		0.0038	
5/7/2008				0.015	<0.01	
5/8/2008			0.0084			
5/12/2008		0.008				
5/13/2008						0.035
12/12/2008	0.013 (J)					
12/13/2008		0.056				0.012 (J)
12/14/2008			0.0075 (J)	0.0086 (J)	0.0031 (J)	
4/16/2009						0.053
4/23/2009	0.075 (o)					
4/29/2009		0.057	0.0028	0.0037	0.0031	
10/6/2009	0.056 (o)					
10/20/2009		0.0037				
10/21/2009			<0.01			0.0063
10/22/2009				<0.01	0.0029	
4/21/2010			<0.01	<0.01	0.0027	
4/26/2010		<0.01				
4/27/2010						0.045
5/3/2010	0.051 (o)					
9/28/2010			0.005	0.0042		
9/29/2010		0.012			<0.01	
10/5/2010						0.0047
10/11/2010	0.016					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						0.0068
4/27/2011	0.025 (o)					
10/4/2011			0.0088	0.012	0.003	
10/5/2011		0.0031				
10/12/2011						0.0048
10/19/2011	0.0078					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	0.0134					
10/2/2012	0.012					<0.01
10/3/2012		0.0085		<0.01	0.0029	
10/8/2012			0.0034			
4/2/2013						0.0081
4/3/2013		0.0061	<0.01	<0.01	0.0035	
4/10/2013	0.018					
10/9/2013				<0.01	<0.01	0.0032
10/15/2013		0.008	0.0027			
10/16/2013	0.015					

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.0025 (J)
4/2/2014				0.0063	0.0033	
4/9/2014		0.0048	0.0025 (J)			
4/22/2014	0.015					
10/1/2014	0.0038					
10/2/2014		0.0023 (JV)	0.0027 (V)	0.0023 (J)	0.0027	0.0023 (J)
3/30/2015	0.0097					
4/1/2015				0.0017 (J)	0.013 (O)	0.0035
4/2/2015		0.0023 (J)	0.002 (J)			
10/10/2015		0.0024 (J)				
10/11/2015	0.0024 (J)			0.0016 (J)	0.017	
10/12/2015			<0.01			
10/14/2015						0.0066
3/28/2016	0.00703 (J)					
3/31/2016		<0.01	0.00266 (J)			
4/4/2016				<0.01	0.00419 (J)	0.00858 (J)
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						<0.01
10/2/2017	0.0016 (J)					
10/4/2017		0.0012 (J)	<0.01	0.0014 (J)	0.0014 (J)	0.0104
3/16/2018	<0.01					
3/20/2018		<0.01				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	0.014
9/18/2018	<0.01	<0.01	<0.01	<0.01	<0.01	0.013
3/19/2019	<0.01					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	<0.01	0.012
9/12/2019	0.0058 (J)					
9/17/2019		0.0052 (J)	0.0048 (J)	0.0056 (J)	0.0075 (J)	0.018 (D)
3/11/2020	0.0033 (J)					
3/12/2020		0.0024 (J)	0.0027 (J)	0.0038 (J)	0.0053 (J)	0.015

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
8/21/2007	0.0064	<0.01				
8/23/2007					0.0038	0.016
8/24/2007			0.0036 (J)	0.052 (o)		
10/25/2007						0.061
11/1/2007	<0.01	0.0038				
11/2/2007			0.0026 (J)	0.01 (J)	0.0025	
11/17/2007			0.024 (o)		0.023 (O)	
11/18/2007				0.025 (J)		
11/19/2007	0.015	0.0055				0.053
1/15/2008			0.0074	0.055 (o)	0.012	
1/23/2008						0.14
1/31/2008	0.032 (o)	0.0063				
3/5/2008	0.0061	0.0037	0.075 (o)			
3/6/2008					0.0069	
3/10/2008				0.018		
3/11/2008						0.13
5/7/2008		0.0033	0.0088		0.007	
5/12/2008	0.012					0.11
5/13/2008				0.0044		
12/2/2008			0.11 (o)	0.065 (o)	0.021 (O)	
12/11/2008						0.04 (J)
12/12/2008		0.097 (O)				
12/13/2008	0.087 (o)					
4/15/2009						0.11
4/16/2009			0.091 (o)			
4/28/2009	0.067 (o)			0.0037 (J)	0.0055	
4/29/2009		0.068 (O)				
10/9/2009						0.15
10/19/2009					0.0051	
10/20/2009			0.056 (o)	0.0043		
10/21/2009	0.025 (o)	0.011				
4/20/2010			0.014			
4/27/2010				<0.01	0.0068	
4/28/2010	0.014	0.048 (O)				
5/4/2010						0.077
9/29/2010			0.015			
10/4/2010					0.0074	
10/5/2010	0.012			0.0028		
10/6/2010		0.003				
10/12/2010						0.077
4/12/2011			0.0028			
4/18/2011					0.0031	
4/19/2011	0.012			<0.01		
4/20/2011		0.0038				
4/28/2011						0.032
10/4/2011			0.0025			
10/12/2011		0.0027		<0.01	0.0067	
10/18/2011	0.025					
10/19/2011						0.11
4/4/2012			0.0105			
4/23/2012					<0.01	
4/25/2012	0.014	<0.01		<0.01		

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
5/2/2012						0.138
10/2/2012	0.0089	0.0059				
10/9/2012						0.097
10/10/2012			0.0033	<0.01	0.0046	
4/2/2013	0.0082	0.008				
4/11/2013						0.047
4/15/2013			0.0031		0.006	
4/16/2013				0.005		
10/8/2013	0.015	0.0062				
10/16/2013						0.098
10/22/2013			<0.01	0.0028	0.0037	
4/1/2014	0.0074	0.0067				
4/21/2014			0.0032	0.0028	0.0073	
4/23/2014						0.066
9/30/2014			0.0015 (J)	0.0018 (J)	0.0027	
10/1/2014	0.00077 (J)	0.0024 (J)				
10/3/2014						0.13 (V)
3/31/2015		0.0046				0.05
4/1/2015	0.0082					
4/3/2015			0.0015 (J)	0.0021 (J)	0.0017 (J)	
10/6/2015				<0.01		
10/7/2015			<0.01		0.0042	
10/12/2015						0.048
10/14/2015		0.002 (J)				
10/15/2015	0.0082					
3/28/2016						0.0534
4/4/2016	0.00818 (J)	<0.01				
4/5/2016			<0.01	0.00233 (J)	0.000194 (J)	
8/1/2016						0.055
8/4/2016	<0.01				<0.01	
8/9/2016			0.0016 (J)			
4/3/2017						0.0436
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	<0.01				<0.01	
10/3/2017						0.0393
10/5/2017			0.0024 (J)			
10/6/2017		<0.01		<0.01	0.0024 (J)	
10/9/2017	<0.01					
3/19/2018						<0.01
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						0.03
9/19/2018	<0.01		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						0.032
3/22/2019		0.0048 (J)	<0.01	<0.01		
3/23/2019	0.021					
3/25/2019					0.0039 (J)	
9/16/2019						0.035
9/17/2019			0.0057 (X)	0.0048 (X)	0.0066 (J)	
9/18/2019	0.007 (J)	0.0091 (X)				

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13R_13RZ	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-5
3/13/2020	0.0043 (J)		0.0028 (J)	0.0026 (J)	0.0057 (J)	
3/16/2020						0.047
3/17/2020		0.0057 (J)				

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.04 (o)					
8/23/2007						0.011
10/25/2007	0.0062					
11/1/2007						0.012
11/19/2007						0.026 (J)
11/20/2007	0.03 (o)					
1/15/2008						0.075 (o)
1/23/2008	0.048 (o)					
3/6/2008						0.051 (o)
3/11/2008	0.016					
5/13/2008						0.0084
5/14/2008	0.02					
12/11/2008	0.021					
12/12/2008						0.077 (o)
4/16/2009						0.064 (o)
4/23/2009	0.0058 (J)					
10/9/2009	0.055 (o)					
10/13/2009						0.013
4/21/2010						0.0035
5/4/2010	0.045 (o)					
9/29/2010						0.0085
10/11/2010	0.015					
4/13/2011						0.0028
4/26/2011	0.0067					
10/5/2011						0.0038
10/18/2011	0.0055			0.0032		
4/4/2012						0.0126
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				0.0034		
10/8/2012	0.0043					0.0043
4/8/2013				0.0039		0.0068
4/10/2013	0.0067					
10/8/2013	0.0091					
10/9/2013				0.0078		0.0082
4/9/2014						0.0043
4/10/2014				0.0064		
4/14/2014	0.0063					
9/30/2014						0.0029
10/2/2014				0.0009 (JV)		
10/3/2014	0.0065 (V)					
4/1/2015	0.0059					
4/2/2015						0.0056
4/3/2015				<0.01		
5/26/2015		0.0035			0.0017 (J)	
6/18/2015		0.0025 (D)			0.0052 (D)	
7/2/2015		0.0018 (J)			0.0027	
10/8/2015				0.013	<0.01	
10/9/2015	<0.01	0.0019 (J)				
10/10/2015						0.0065 (D)
3/22/2016					0.00302 (J)	
3/29/2016	<0.01	0.00786 (J)				

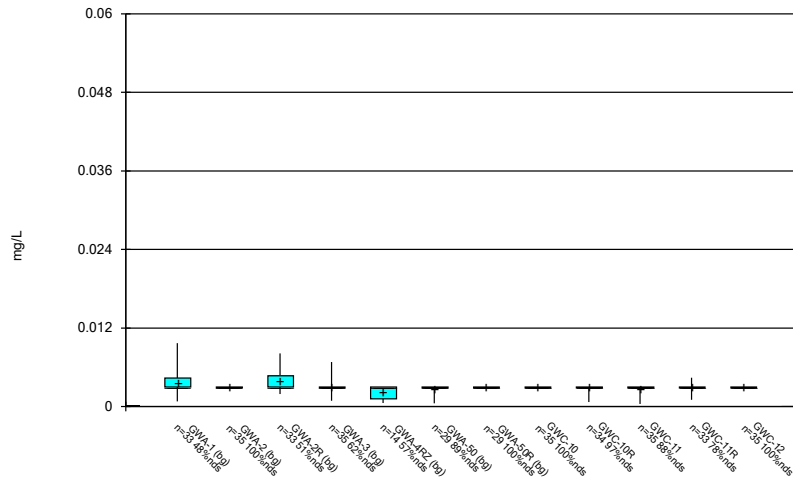
Time Series

Constituent: Zinc (mg/L) Analysis Run 4/7/2020 9:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.00308 (J)		0.00388 (J)
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
10/3/2017	<0.01	0.0014 (J)	<0.01		0.0022 (J)	0.0023 (J)
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			0.0024 (J)
3/27/2019				<0.01		
5/6/2019					0.0024 (J)	
9/13/2019			0.0053 (J)			
9/16/2019	0.0058 (J)	0.0057 (J)		0.00525 (JD)	0.0065 (J)	0.0062 (J)
3/12/2020	0.0042 (J)	0.0032 (J)	0.0031 (J)	0.002 (J)		0.0045 (J)
3/16/2020					0.0073 (J)	

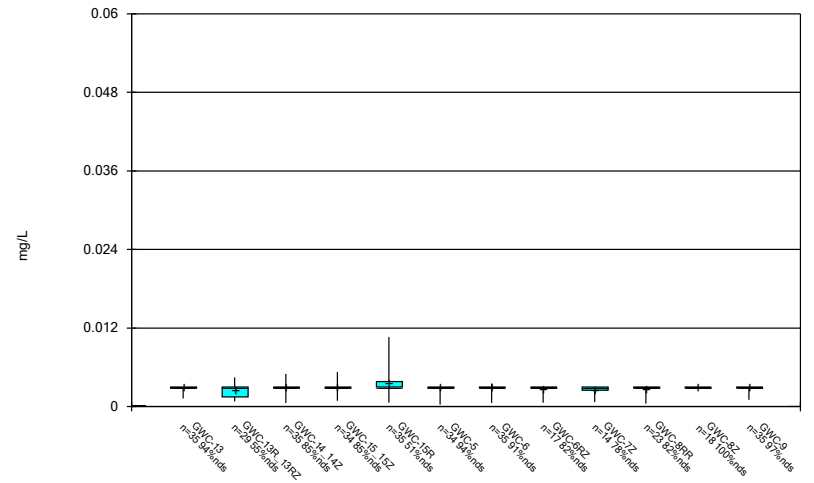
FIGURE B.

Box & Whiskers Plot



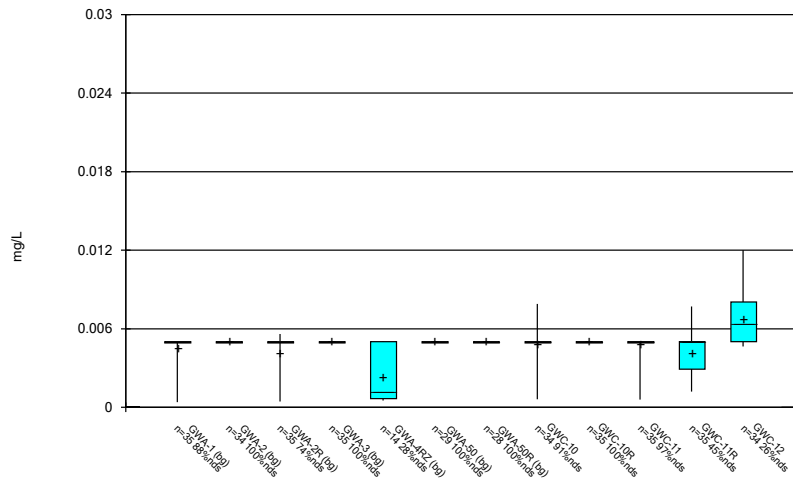
Constituent: Antimony Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



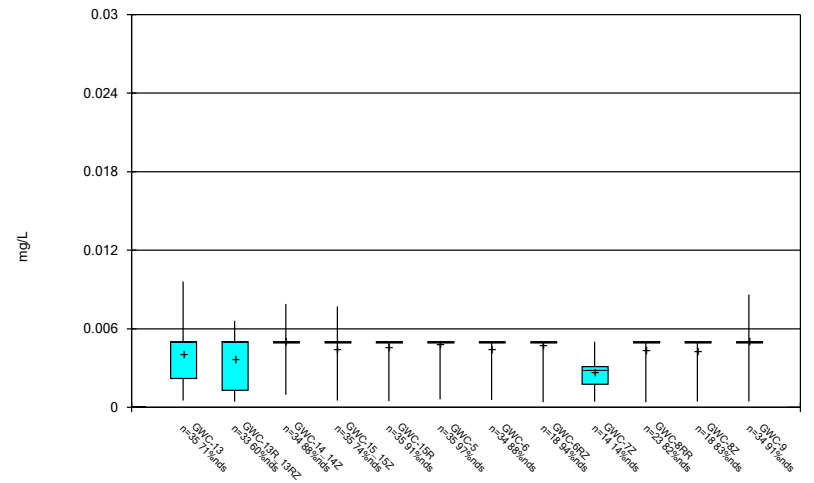
Constituent: Antimony Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



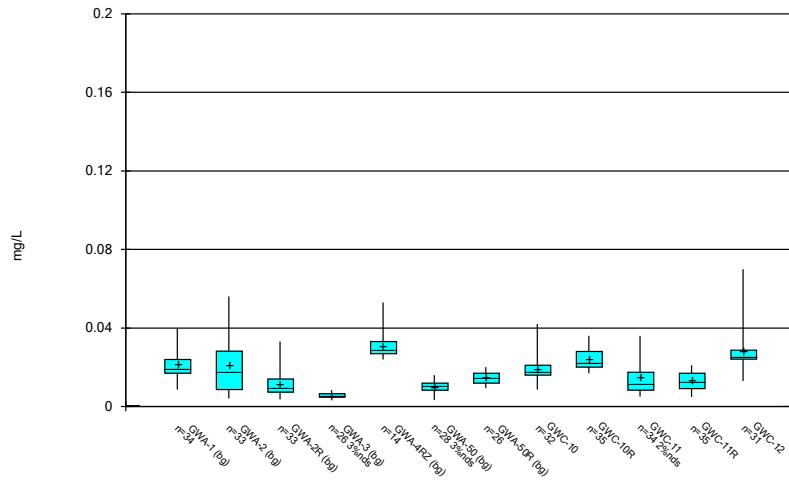
Constituent: Arsenic Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



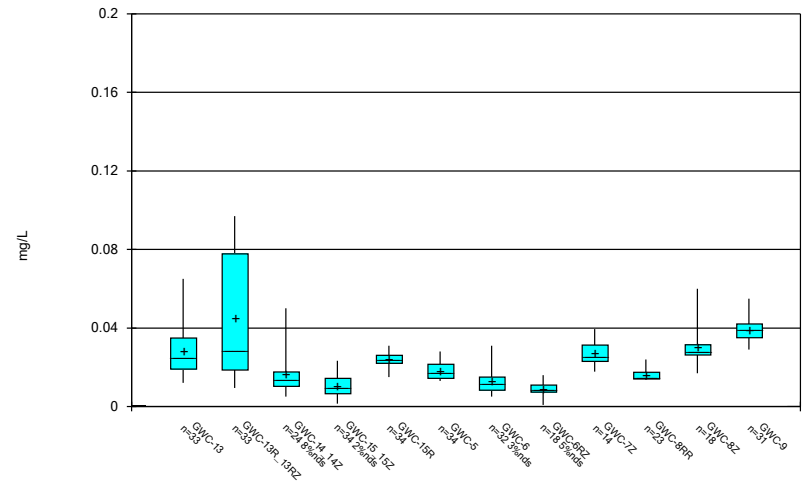
Constituent: Arsenic Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



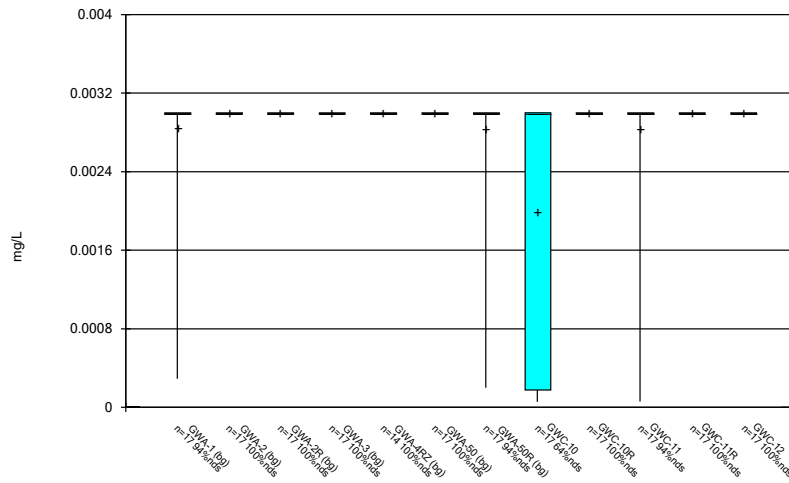
Constituent: Barium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



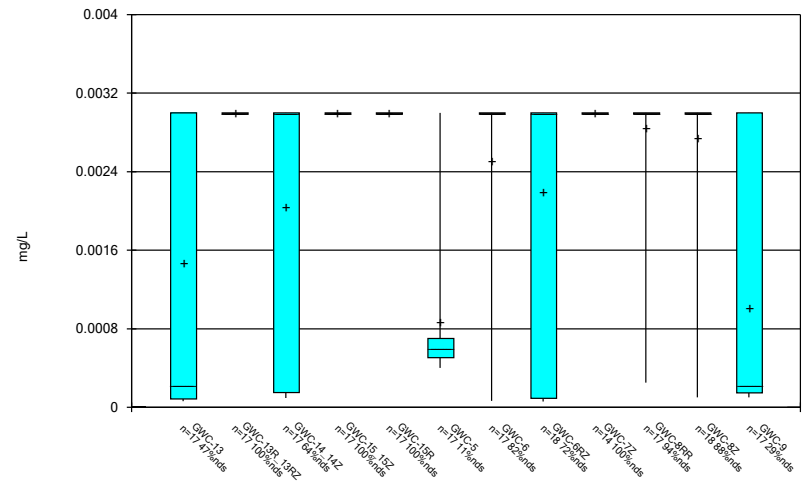
Constituent: Barium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



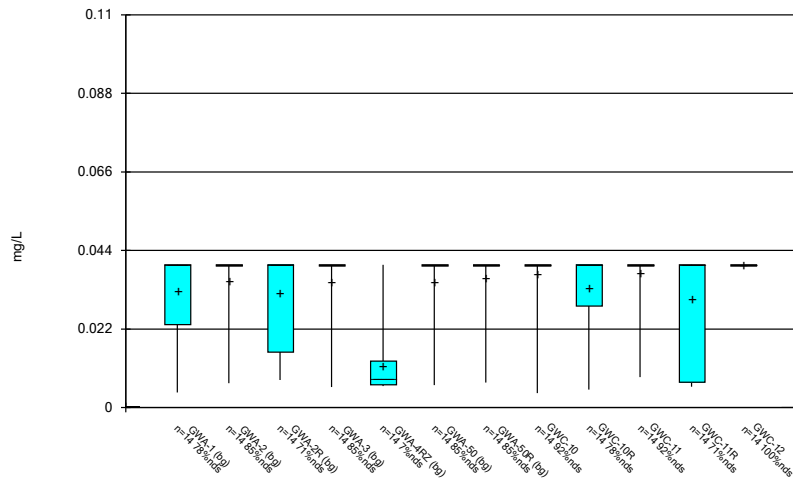
Constituent: Beryllium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



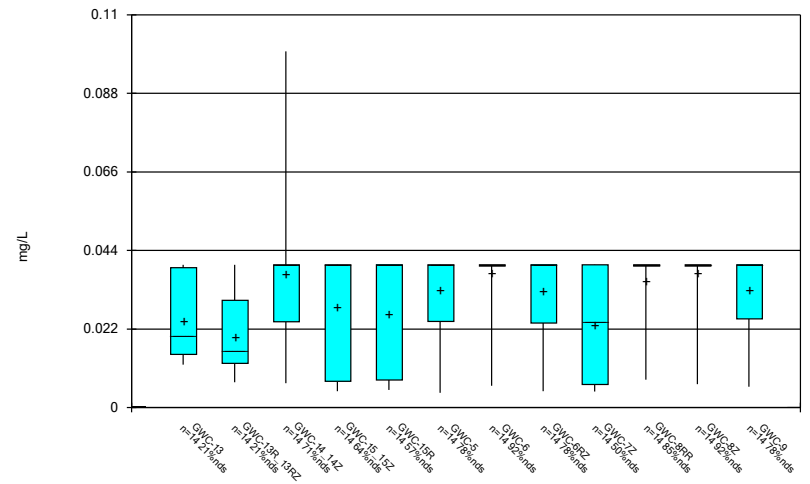
Constituent: Beryllium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



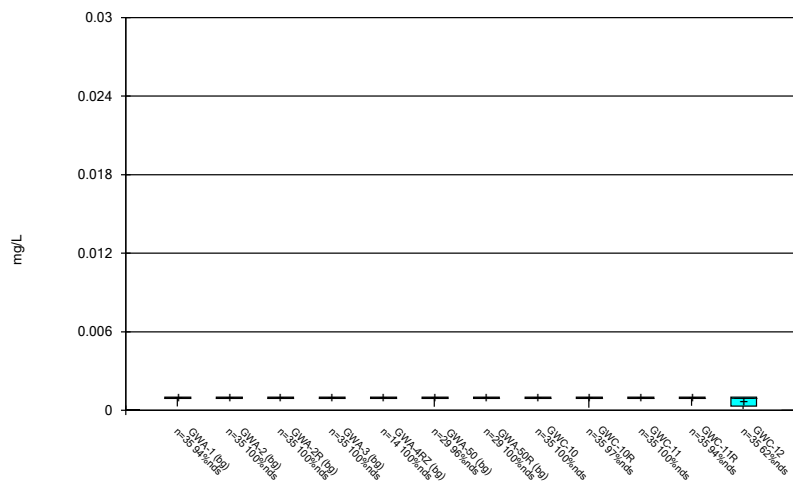
Constituent: Boron Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



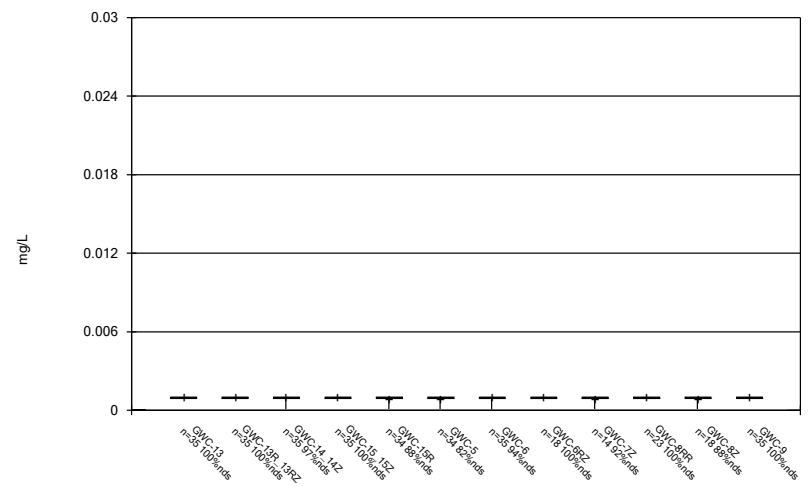
Constituent: Boron Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



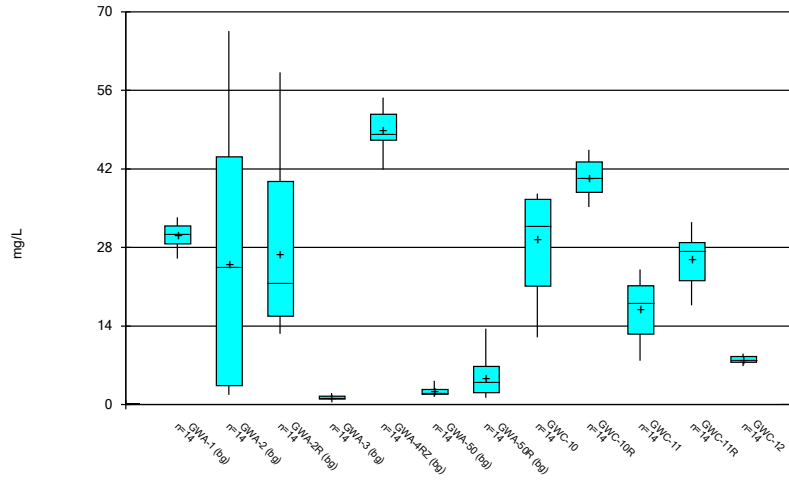
Constituent: Cadmium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



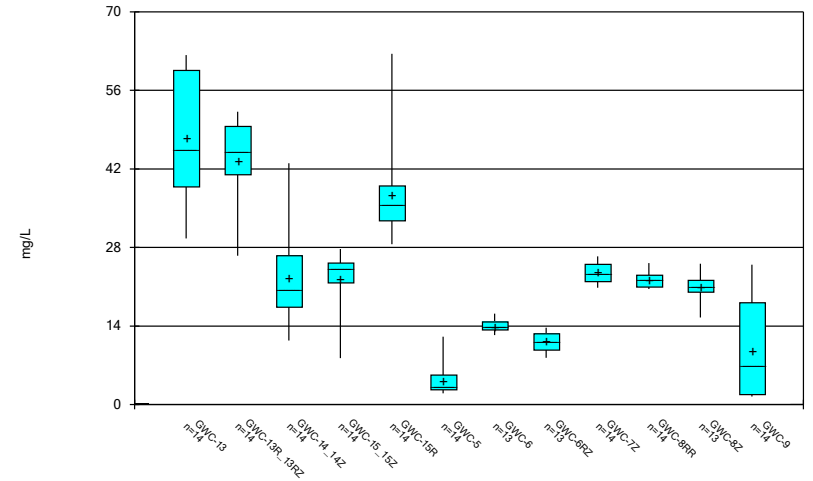
Constituent: Cadmium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



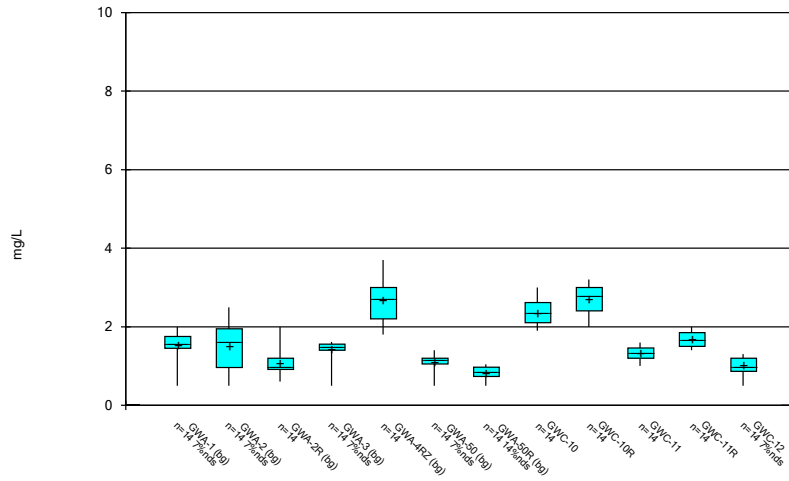
Constituent: Calcium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



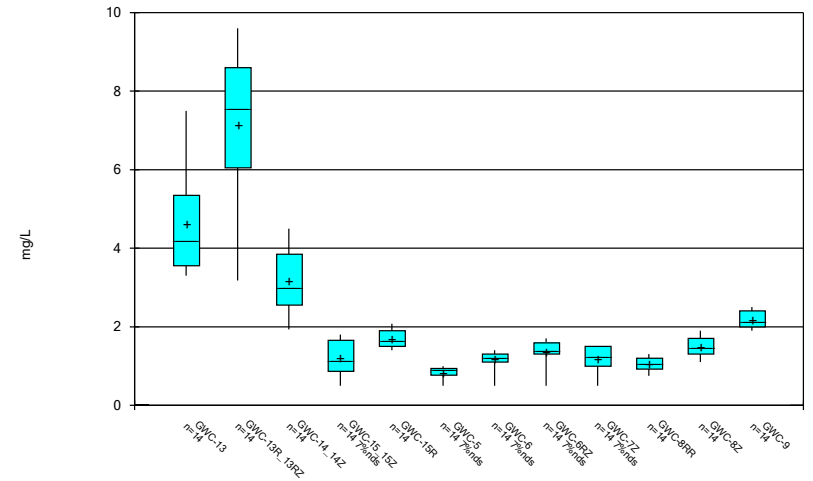
Constituent: Calcium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



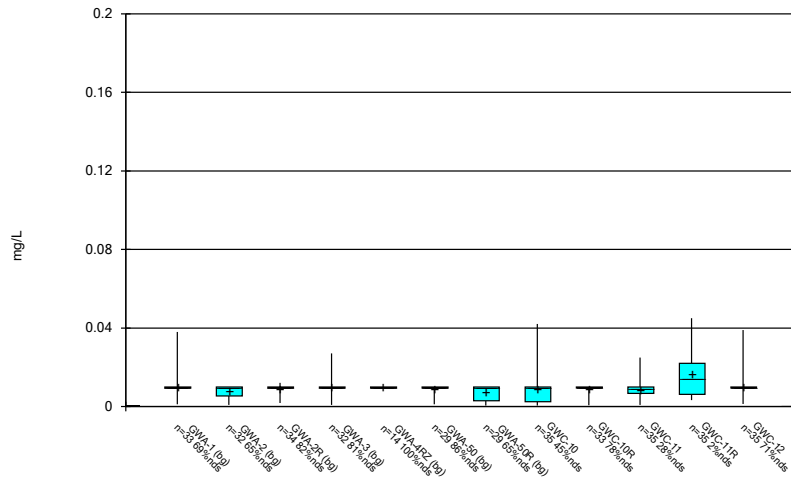
Constituent: Chloride Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



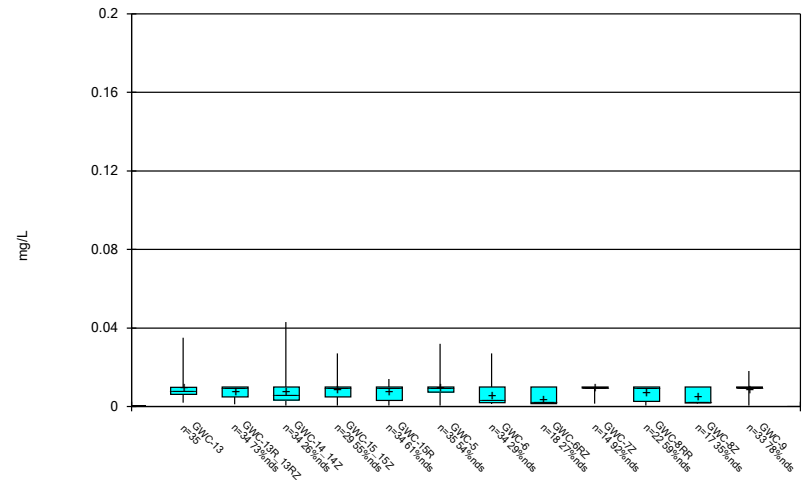
Constituent: Chloride Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



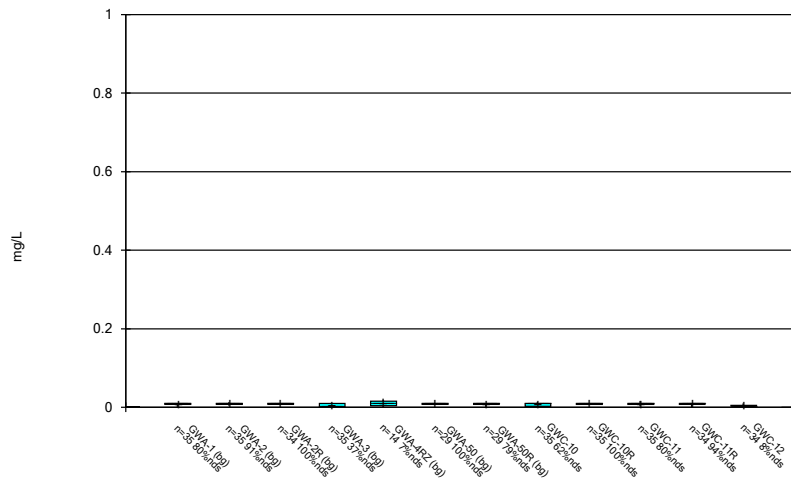
Constituent: Chromium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



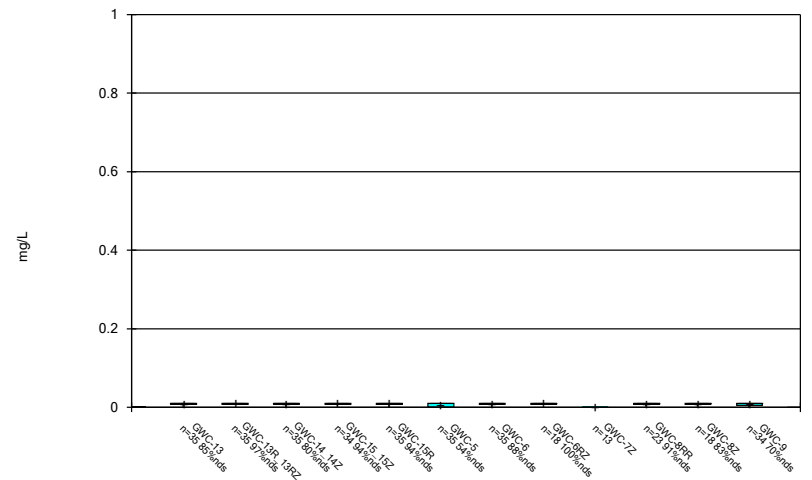
Constituent: Chromium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



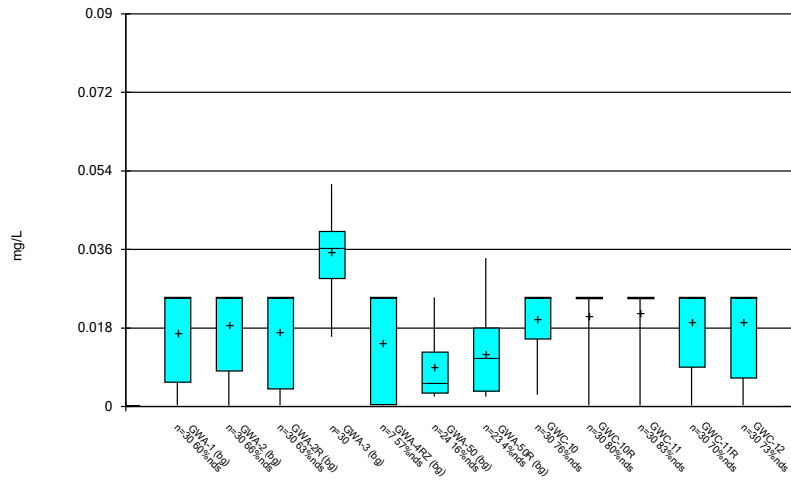
Constituent: Cobalt Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



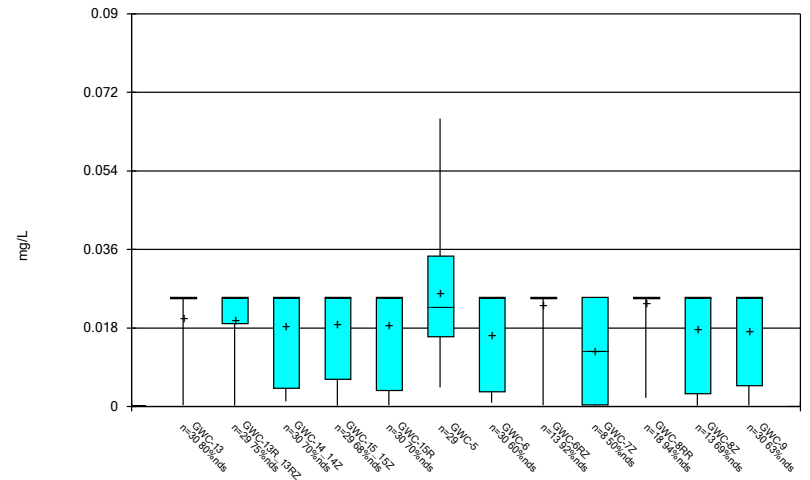
Constituent: Cobalt Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



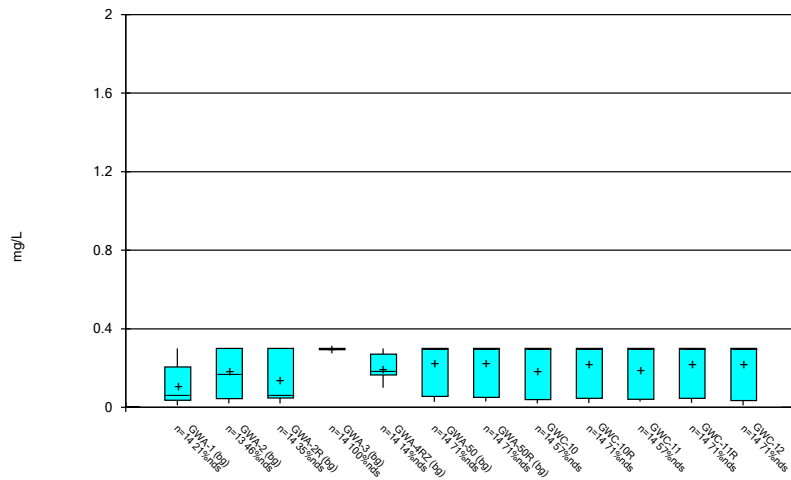
Constituent: Copper Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



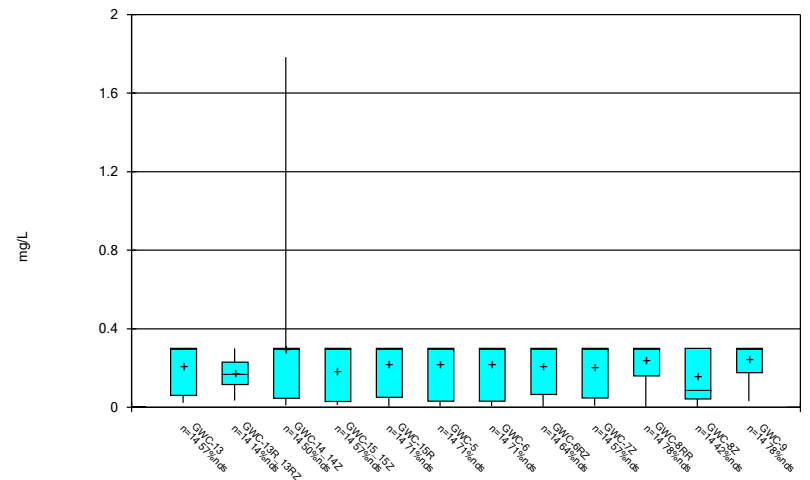
Constituent: Copper Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



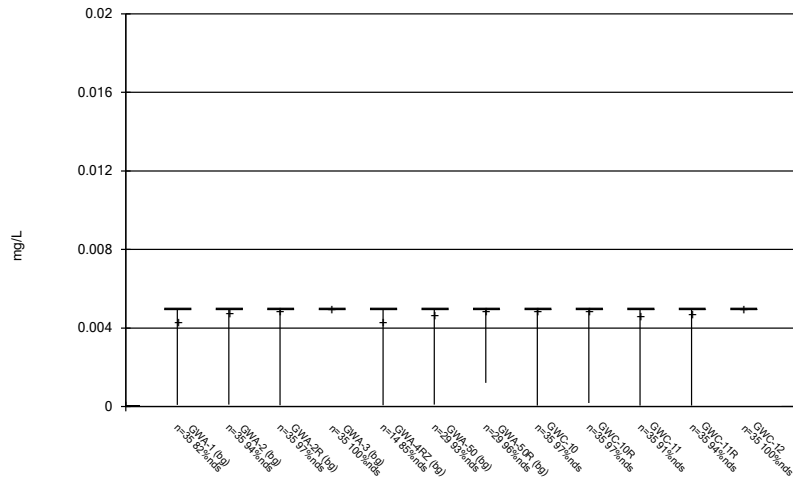
Constituent: Fluoride Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



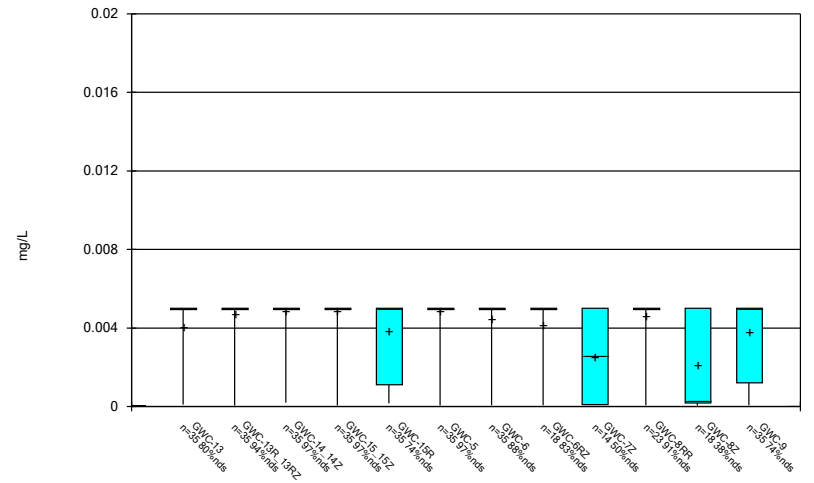
Constituent: Fluoride Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



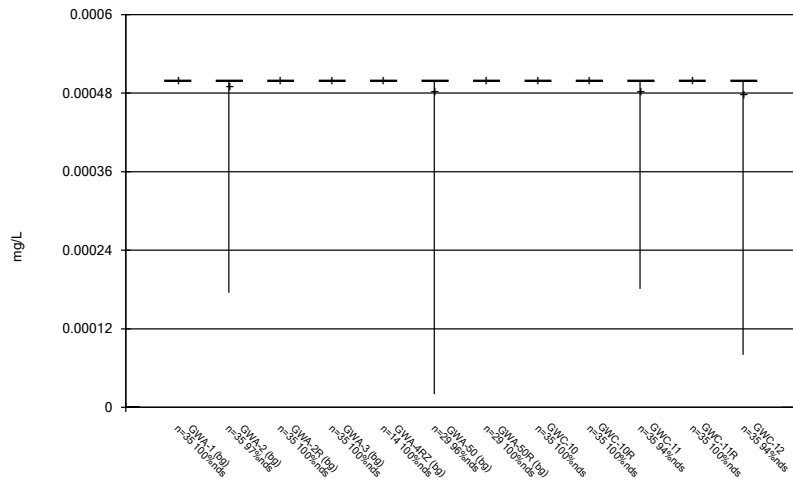
Constituent: Lead Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



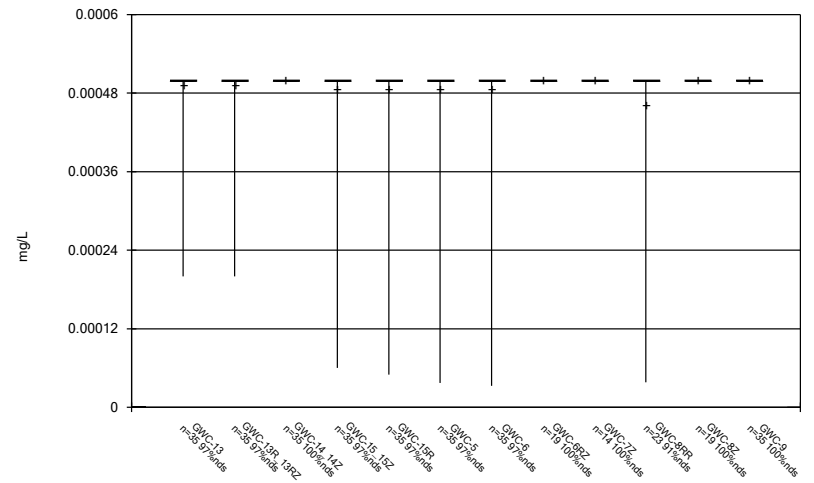
Constituent: Lead Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



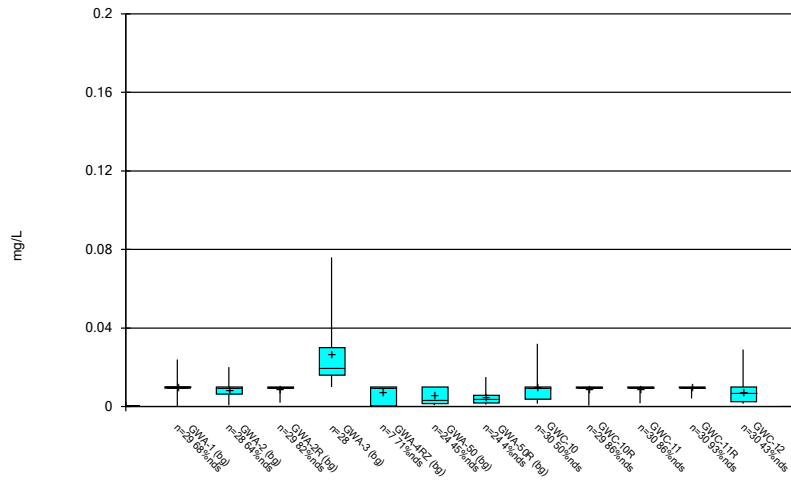
Constituent: Mercury Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



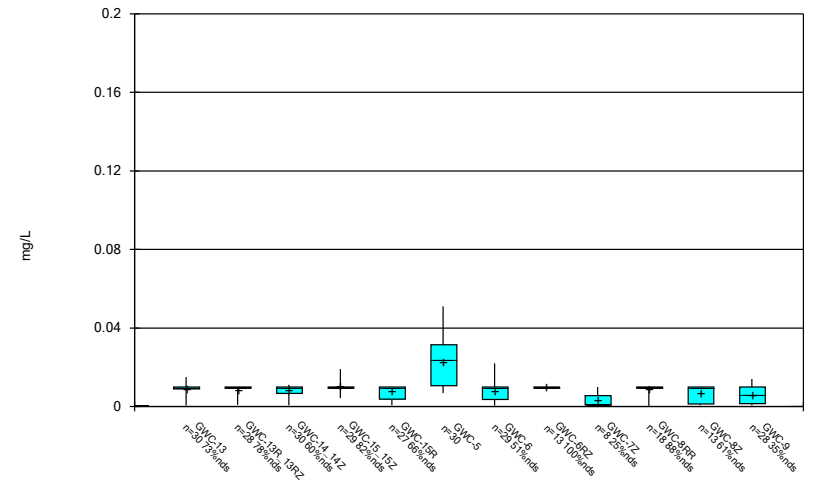
Constituent: Mercury Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



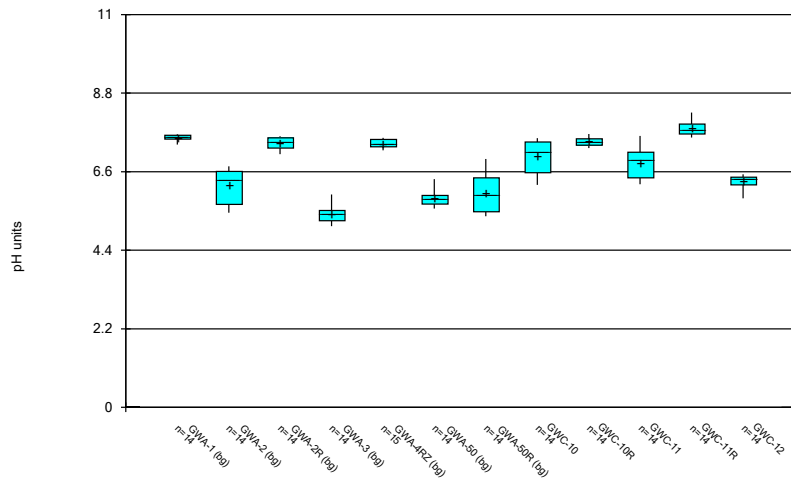
Constituent: Nickel Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



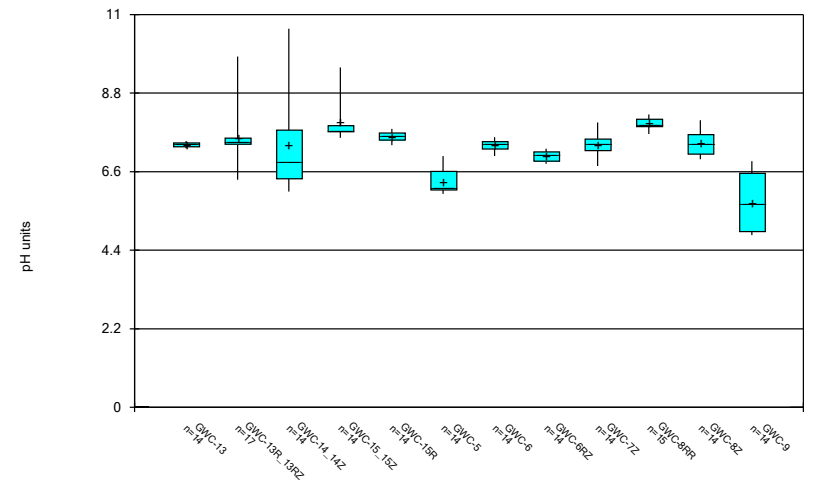
Constituent: Nickel Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



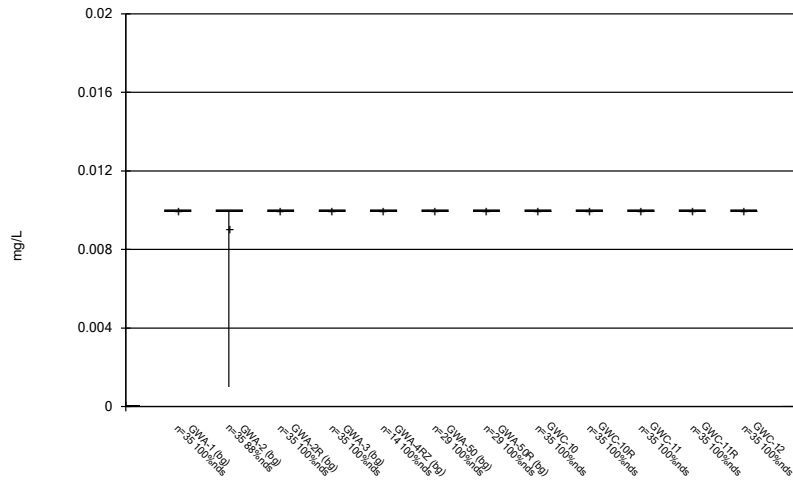
Constituent: pH Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



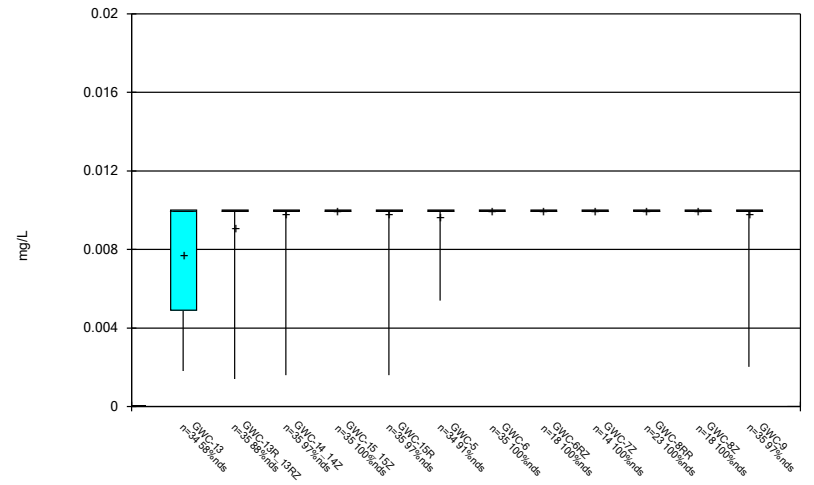
Constituent: pH Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



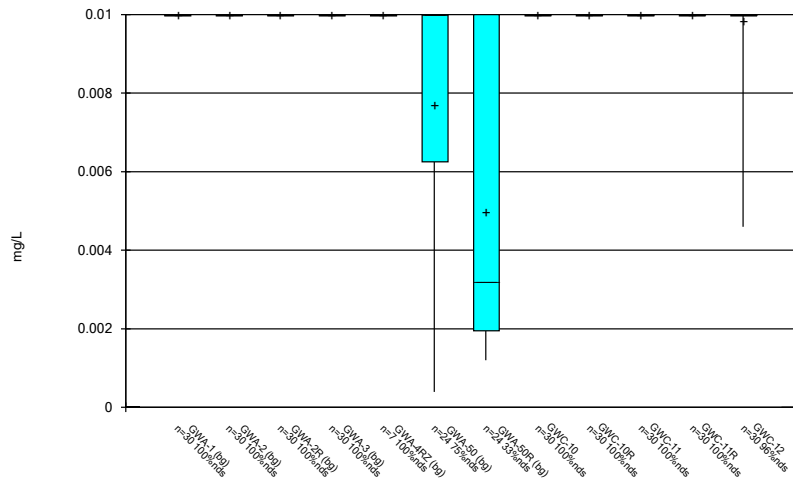
Constituent: Selenium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



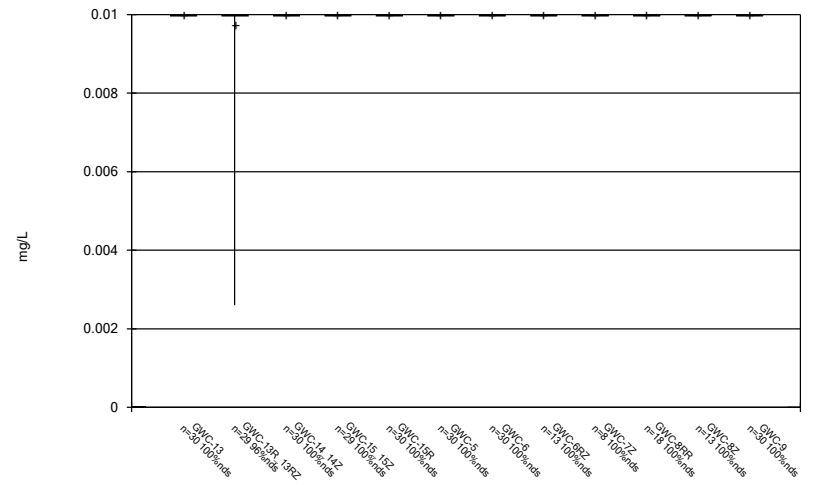
Constituent: Selenium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



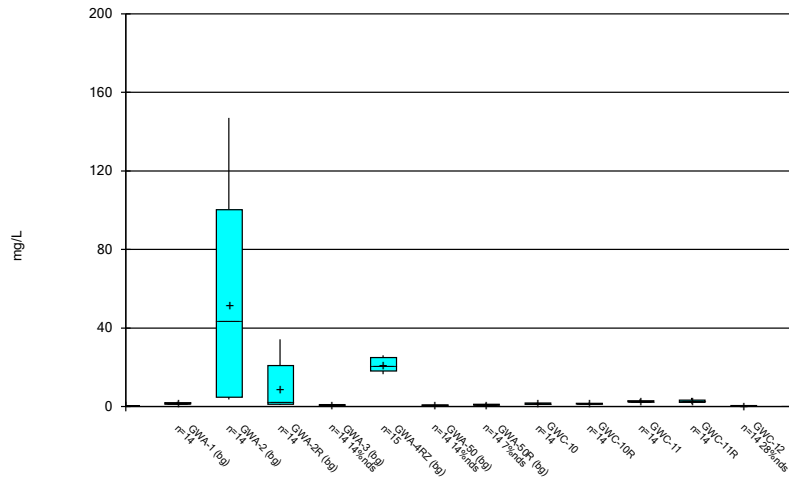
Constituent: Silver Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



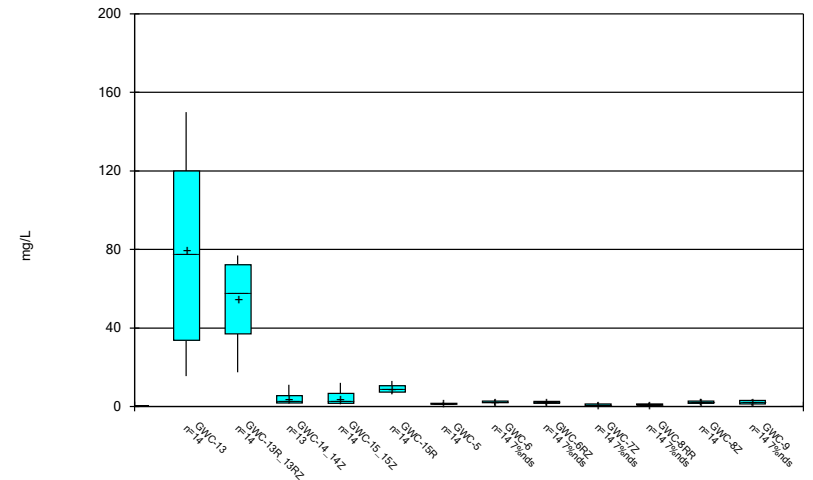
Constituent: Silver Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



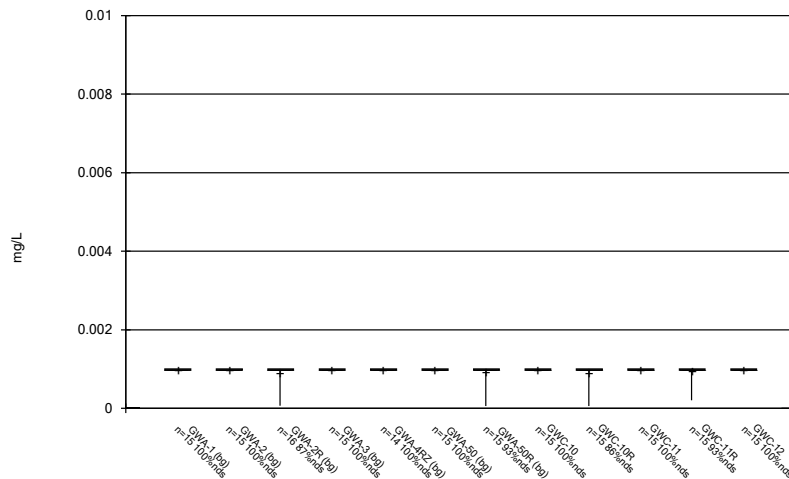
Constituent: Sulfate, as SO4 Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



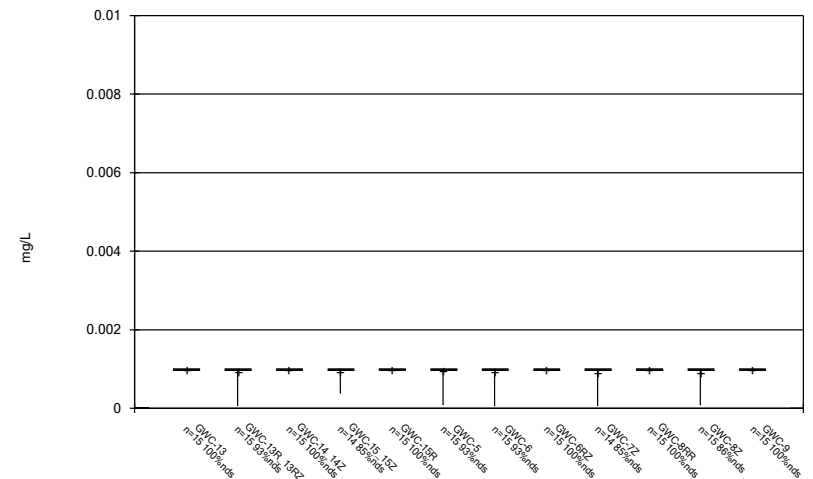
Constituent: Sulfate, as SO4 Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



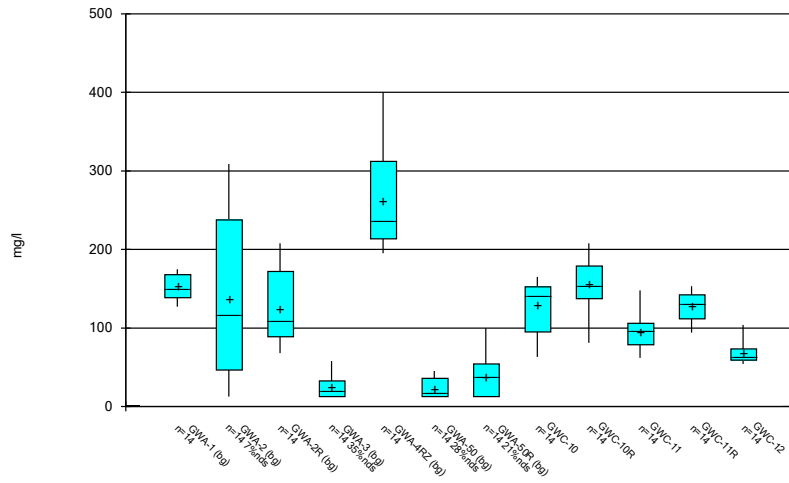
Constituent: Thallium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



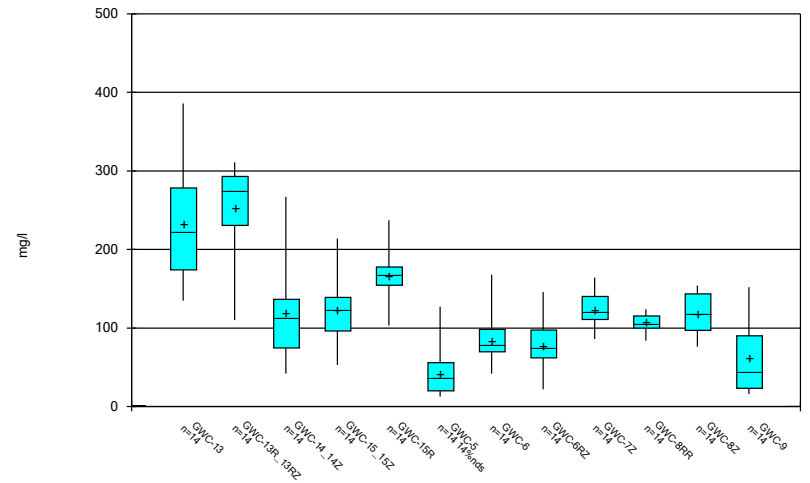
Constituent: Thallium Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



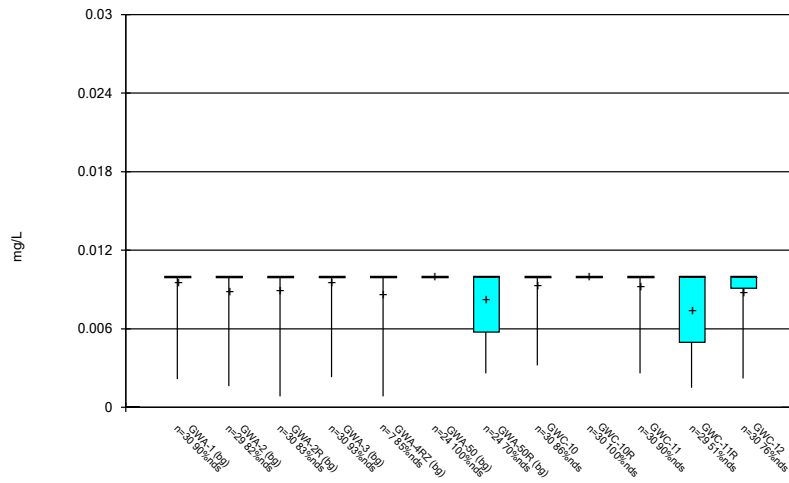
Constituent: Total Dissolved Solids Analysis Run 4/7/2020 10:02 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



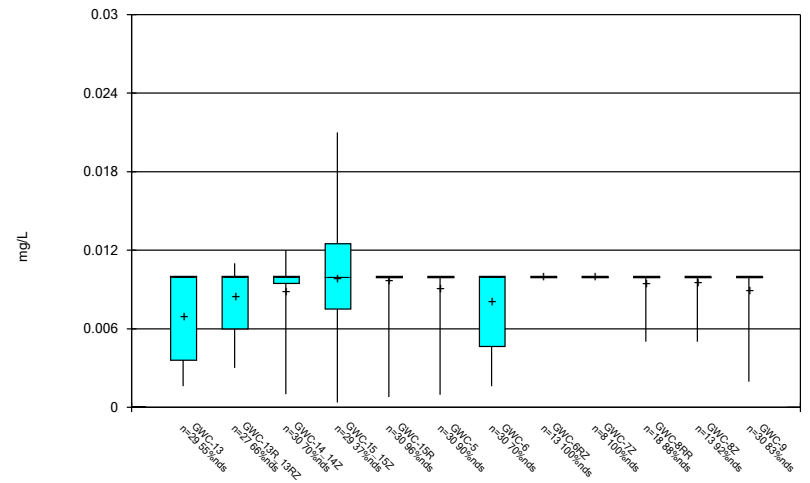
Constituent: Total Dissolved Solids Analysis Run 4/7/2020 10:02 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



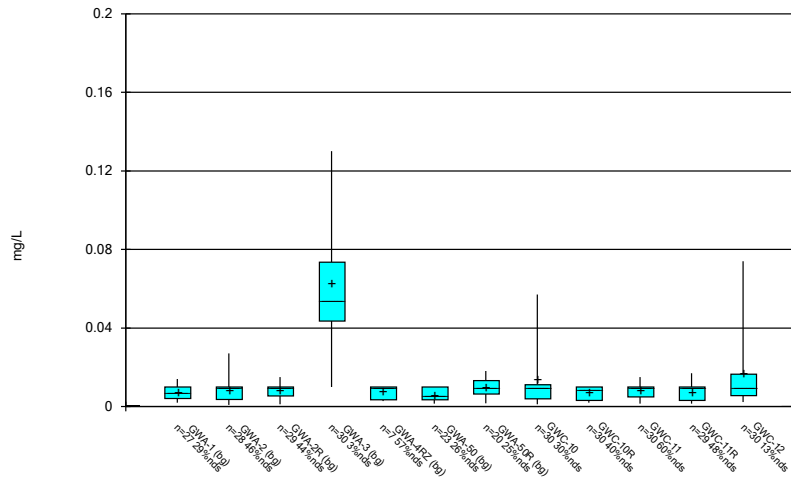
Constituent: Vanadium Analysis Run 4/7/2020 10:02 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



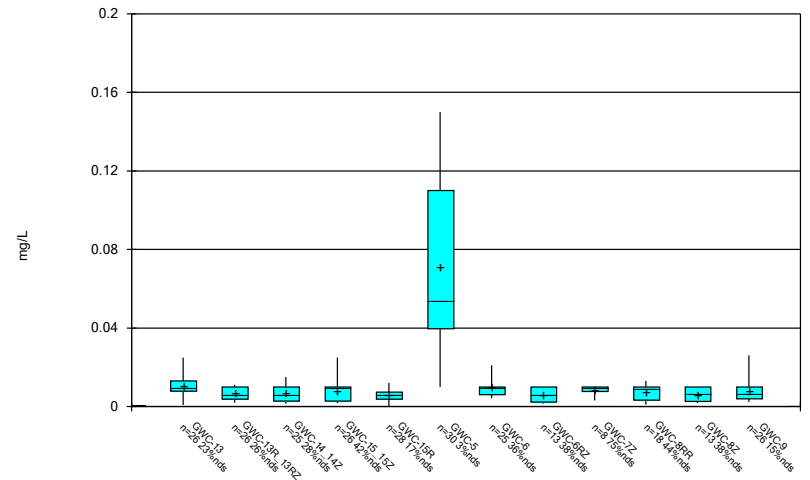
Constituent: Vanadium Analysis Run 4/7/2020 10:02 AM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/7/2020 10:02 AM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

FIGURE C.

Excluded Data - Bedrock Wells

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/7/2020, 10:08 AM

GWC-13R_13RZ Zinc (mg/L)
GWC-15R Zinc (mg/L)

8/21/2007	
8/23/2007	
10/24/2007	
11/17/2007	0.023 (O)
11/18/2007	
1/15/2008	
1/30/2008	
1/31/2008	
3/6/2008	
3/11/2008	
12/2/2008	0.021 (O)
12/4/2008	
12/12/2008	0.097 (O)
4/23/2009	
4/29/2009	0.068 (O)
10/6/2009	
10/7/2009	
10/21/2009	
4/27/2010	
4/28/2010	0.048 (O)
5/3/2010	
4/27/2011	
4/3/2012	
4/2/2013	
10/8/2013	
10/16/2013	
4/1/2014	
10/1/2014	
3/30/2015	
3/31/2015	
4/1/2015	
10/11/2015	
10/13/2015	
10/14/2015	
3/29/2016	
3/30/2016	
4/5/2016	
9/28/2016	
3/16/2018	

Excluded Data - Overburden Wells

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/7/2020, 10:10 AM

	GWC-6 Zinc (mg/L)	GWC-9 Zinc (mg/L)
8/22/2007	0.04 (o)	
8/23/2007		
8/24/2007		
11/2/2007		
11/17/2007		
11/18/2007		
11/20/2007	0.03 (o)	
1/15/2008		0.075 (o)
1/16/2008		
1/23/2008	0.048 (o)	
1/31/2008		
3/5/2008		
3/6/2008		0.051 (o)
3/10/2008		
3/11/2008		
5/13/2008		
5/14/2008		
12/2/2008		
12/5/2008		
12/12/2008		0.077 (o)
12/13/2008		
12/14/2008		
4/15/2009		
4/16/2009		0.064 (o)
4/28/2009		
4/29/2009		
10/8/2009		
10/9/2009	0.055 (o)	
10/20/2009		
10/21/2009		
4/27/2010		
5/4/2010	0.045 (o)	
5/2/2012		
4/15/2013		
10/22/2013		
4/21/2014		
9/30/2014		
4/3/2015		
10/7/2015		
3/22/2016		
3/28/2016		
3/30/2016		
4/5/2016		
5/31/2016		
8/9/2016		
3/23/2019		

Excluded Data - Appendix III

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/7/2020, 10:11 AM

GWA-2 Fluoride (mg/L)

3/19/2018

1.1 (o)

FIGURE D.

Bedrock Wells Intrawell Prediction Limits Summary Table - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Barium (mg/L)	GWA-2R	0.02539	n/a	3/11/2020	0.027	Yes	30	0.2153	0.03537	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.03461	n/a	3/12/2020	0.053	Yes	11	0.02799	0.002333	0	None	0.0005486	Param Intra 1 of 2

Bedrock Wells Intrawell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim	Date	Observ.	Sig.	Bg	N Bg	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Antimony (mg/L)	GWA-1	0.0097	n/a	3/11/2020	0.00079	No	30	n/a	n/a	n/a	50	n/a	0.002008	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.0081	n/a	3/11/2020	0.002	No	30	n/a	n/a	n/a	56.67	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	3/12/2020	0.0017	No	11	n/a	n/a	n/a	63.64	n/a	0.01276	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	3/12/2020	0.003ND	No	31	n/a	n/a	n/a	96.77	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.0044	n/a	3/12/2020	0.001	No	30	n/a	n/a	n/a	83.33	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13R_13RZ	0.00447	n/a	3/17/2020	0.0009	No	26	n/a	n/a	n/a	61.54	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	3/13/2020	0.00056	No	32	n/a	n/a	n/a	53.13	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	3/12/2020	0.0011	No	14	n/a	n/a	n/a	85.71	n/a	0.008612	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	3/12/2020	0.00043	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	3/11/2020	0.00088	No	32	n/a	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	3/11/2020	0.00044	No	32	n/a	n/a	n/a	78.13	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.002431	n/a	3/12/2020	0.0033	No	11	0.0969	0.01324	0.01324	27.27	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	3/12/2020	0.0012	No	32	n/a	n/a	n/a	50	n/a	0.001803	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-13R_13RZ	0.0066	n/a	3/17/2020	0.00067	No	30	n/a	n/a	n/a	66.67	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	3/13/2020	0.00047	No	32	n/a	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	3/12/2020	0.00039	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04054	n/a	3/11/2020	0.016	No	31	0.1451	0.02538	0.02538	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.04842	n/a	3/11/2020	0.035	No	30	0.02121	0.01224	0.01224	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.02539	n/a	3/11/2020	0.027	Yes	30	0.2153	0.03537	0.03537	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.03461	n/a	3/12/2020	0.053	Yes	11	0.02799	0.002333	0.002333	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02185	n/a	3/11/2020	0.0095	No	23	0.01499	0.002959	0.002959	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.03543	n/a	3/12/2020	0.028	No	32	0.02388	0.005231	0.005231	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-11R	0.02192	n/a	3/12/2020	0.021	No	32	0.01259	0.004227	0.004227	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.03156	n/a	3/13/2020	0.02	No	31	0.0244	0.003233	0.003233	0	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-6RZ	0.01917	n/a	3/12/2020	0.0072	No	15	0.009456	0.003803	0.003803	6.667	None	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	3/12/2020	0.014	No	20	n/a	n/a	n/a	0	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-1	0.003	n/a	3/11/2020	0.003ND	No	14	n/a	n/a	n/a	92.86	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-50R	0.003	n/a	3/11/2020	0.003ND	No	14	n/a	n/a	n/a	92.86	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-6RZ	0.003	n/a	3/12/2020	0.000093	No	15	n/a	n/a	n/a	80	n/a	0.007533	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-8RR	0.003	n/a	3/12/2020	0.003ND	No	14	n/a	n/a	n/a	92.86	n/a	0.008612	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-1	0.001	n/a	3/11/2020	0.001ND	No	32	n/a	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.001	n/a	3/12/2020	0.001ND	No	32	n/a	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.001	n/a	3/12/2020	0.001ND	No	32	n/a	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.001	n/a	3/13/2020	0.001ND	No	31	n/a	n/a	n/a	87.1	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.038	n/a	3/11/2020	0.0012	No	30	n/a	n/a	n/a	70	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.01	n/a	3/11/2020	0.0025	No	29	n/a	n/a	n/a	65.52	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	3/11/2020	0.0042	No	31	n/a	n/a	n/a	83.87	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.01	n/a	3/11/2020	0.01ND	No	26	n/a	n/a	n/a	61.54	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	3/12/2020	0.01ND	No	30	n/a	n/a	n/a	80	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11R	0.02073	n/a	3/12/2020	0.0042	No	21	0.009791	0.004649	0.004649	4.762	None	0.0005486	Param Intra 1 of 2
Chromium (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.002	No	31	n/a	n/a	n/a	74.19	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	3/13/2020	0.0011	No	31	n/a	n/a	n/a	64.52	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	3/12/2020	0.0028	No	15	n/a	n/a	n/a	33.33	n/a	0.007533	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8RR	0.01	n/a	3/12/2020	0.0031	No	19	n/a	n/a	n/a	68.42	n/a	0.004832	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.01	n/a	3/11/2020	0.00037	No	32	n/a	n/a	n/a	87.5	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	3/11/2020	0.01ND	No	32	n/a	n/a	n/a	90.63	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.02221	n/a	3/12/2020	0.013	No	11	0.0078	0.005078	0.005078	9.091	None	0.0005486	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.01	n/a	3/11/2020	0.01ND	No	26	n/a	n/a	n/a	76.92	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.01	n/a	3/12/2020	0.01ND	No	31	n/a	n/a	n/a	93.55	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.01ND	No	32	n/a	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.01	n/a	3/13/2020	0.01ND	No	32	n/a	n/a	n/a	93.75	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.01	n/a	3/12/2020	0.01ND	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.025	n/a	3/11/2020	0.025ND	No	27	n/a	n/a	n/a	55.56	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.025	n/a	3/11/2020	0.0002	No	27	n/a	n/a	n/a	70.37	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.025	n/a	3/11/2020	0.0011	No	27	n/a	n/a	n/a	66.67	n/a	0.002502	NP Intra (NDs) 1 of 2

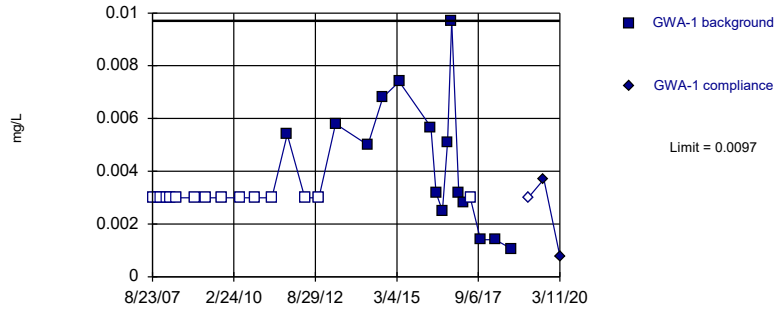
Bedrock Wells Intrawell Prediction Limits Summary Table - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Copper (mg/L)	GWA-4RZ	0.025	n/a	3/12/2020	0.0002	No	4	n/a	n/a	n/a	75	n/a	0.06138	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50R	0.01777	n/a	3/11/2020	0.0035	No	10	0.005944	0.004014	0	0	None	0.0005486	Param Intra 1 of 2
Copper (mg/L)	GWC-10R	0.025	n/a	3/12/2020	0.025ND	No	27	n/a	n/a	n/a	81.48	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.025	n/a	3/12/2020	0.00032	No	27	n/a	n/a	n/a	74.07	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13R_13RZ	0.025	n/a	3/17/2020	0.00045	No	26	n/a	n/a	n/a	80.77	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.025	n/a	3/13/2020	0.00029	No	27	n/a	n/a	n/a	70.37	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.025	n/a	3/12/2020	0.025ND	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.005	n/a	3/11/2020	0.005ND	No	32	n/a	n/a	n/a	81.25	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.005	n/a	3/11/2020	0.005ND	No	32	n/a	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.005	n/a	3/12/2020	0.005ND	No	11	n/a	n/a	n/a	90.91	n/a	0.01276	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.005	n/a	3/11/2020	0.005ND	No	26	n/a	n/a	n/a	96.15	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13R_13RZ	0.005	n/a	3/17/2020	0.005ND	No	32	n/a	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.005	n/a	3/13/2020	0.00037	No	32	n/a	n/a	n/a	81.25	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.005	n/a	3/12/2020	0.00007	No	15	n/a	n/a	n/a	86.67	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8RR	0.005	n/a	3/12/2020	0.000056	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-2	0.0005	n/a	3/11/2020	0.0005ND	No	32	n/a	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13R_13RZ	0.0005	n/a	3/17/2020	0.0005ND	No	32	n/a	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-15R	0.0005	n/a	3/13/2020	0.0005ND	No	32	n/a	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8RR	0.0005	n/a	3/12/2020	0.0005ND	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	3/11/2020	0.00068	No	26	n/a	n/a	n/a	73.08	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	3/11/2020	0.0014	No	25	n/a	n/a	n/a	68	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.01	n/a	3/11/2020	0.002	No	26	n/a	n/a	n/a	84.62	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50R	0.01209	n/a	3/11/2020	0.001	No	10	0.05305	0.01932	10	10	None	0.0005486	Param Intra 1 of 2
Nickel (mg/L)	GWC-10R	0.01	n/a	3/12/2020	0.00043	No	26	n/a	n/a	n/a	88.46	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	n/a	92.59	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.00082	No	25	n/a	n/a	n/a	80	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.01	n/a	3/13/2020	0.00072	No	24	n/a	n/a	n/a	75	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8RR	0.01	n/a	3/12/2020	0.01ND	No	15	n/a	n/a	n/a	86.67	n/a	0.007533	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2	0.01	n/a	3/11/2020	0.0021	No	32	n/a	n/a	n/a	90.63	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.01ND	No	32	n/a	n/a	n/a	87.5	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.01	n/a	3/13/2020	0.01ND	No	32	n/a	n/a	n/a	96.88	n/a	0.001803	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004299	n/a	3/11/2020	0.0013	No	21	0.002202	0.0008907	38.1	38.1	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Silver (mg/L)	GWC-13R_13RZ	0.01	n/a	3/17/2020	0.01ND	No	26	n/a	n/a	n/a	96.15	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-2R	0.001	n/a	3/11/2020	0.001ND	No	13	n/a	n/a	n/a	92.31	n/a	0.009692	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	3/12/2020	0.000054	No	12	n/a	n/a	n/a	91.67	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	3/12/2020	0.001ND	No	12	n/a	n/a	n/a	91.67	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-13R_13RZ	0.001	n/a	3/17/2020	0.001ND	No	12	n/a	n/a	n/a	91.67	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	3/11/2020	0.01ND	No	27	n/a	n/a	n/a	88.89	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	3/11/2020	0.01ND	No	26	n/a	n/a	n/a	80.77	n/a	0.002667	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	3/11/2020	0.00084	No	27	n/a	n/a	n/a	88.89	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	3/11/2020	0.01ND	No	21	n/a	n/a	n/a	66.67	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	3/12/2020	0.01ND	No	26	n/a	n/a	n/a	46.15	n/a	0.002667	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-13R_13RZ	0.011	n/a	3/17/2020	0.01ND	No	24	n/a	n/a	n/a	62.5	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	3/12/2020	0.01ND	No	15	n/a	n/a	n/a	86.67	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.01366	n/a	3/11/2020	0.0035	No	24	0.005745	0.003444	29.17	29.17	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWA-2	0.0199	n/a	3/11/2020	0.0028	No	25	0.06488	0.03341	48	48	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWA-2R	0.01285	n/a	3/11/2020	0.0038	No	26	0.000044540	0.00005316	46.15	46.15	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWA-50R	0.02139	n/a	3/11/2020	0.0033	No	17	0.008728	0.005133	23.53	23.53	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.01	n/a	3/12/2020	0.0027	No	27	n/a	n/a	n/a	40.74	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11R	0.017	n/a	3/12/2020	0.0053	No	26	n/a	n/a	n/a	50	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-13R_13RZ	0.01057	n/a	3/17/2020	0.0057	No	23	0.06716	0.0154	30.43	30.43	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-15R	0.01063	n/a	3/13/2020	0.0057	No	25	0.004906	0.002508	20	20	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-6RZ	0.01081	n/a	3/12/2020	0.0032	No	10	0.05354	0.01713	40	40	Kaplan-Meier	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-8RR	0.01242	n/a	3/12/2020	0.002	No	15	0.004691	0.003024	46.67	46.67	Kaplan-Meier	0.0005486	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

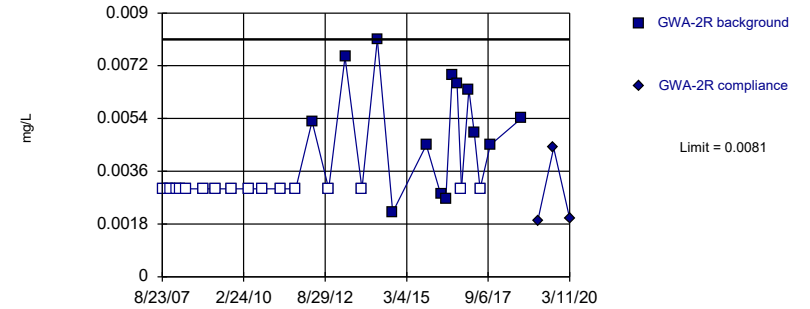


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 50% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:00 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

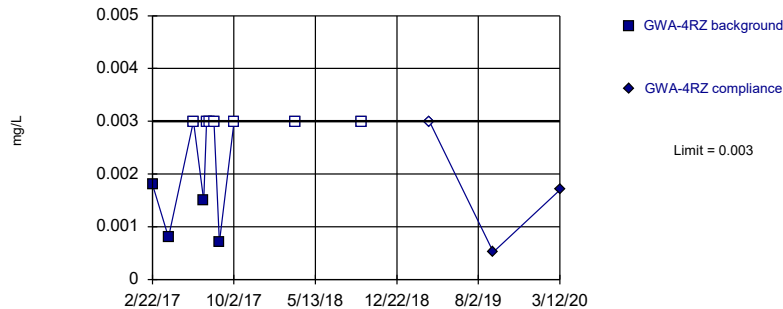


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 56.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:00 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

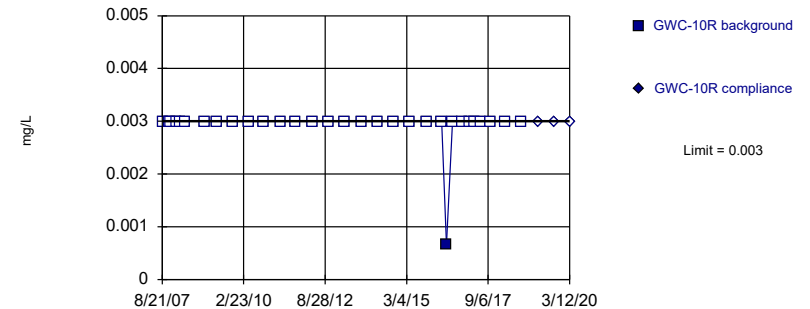


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:00 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:00 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.003	
10/23/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/7/2009	<0.003	
5/3/2010	<0.003	
10/12/2010	<0.003	
4/27/2011	<0.003	
10/17/2011	0.0054	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/12/2013	0.0058	
10/16/2013	0.01 (o)	
4/11/2014	0.005 (J)	
9/30/2014	0.0068	
3/30/2015	0.0074	
10/13/2015	0.017 (o)	
3/22/2016	0.00567	
5/19/2016	0.00319	
7/29/2016	0.0025 (J)	
9/23/2016	0.0051	
11/9/2016	0.0097 (J)	
1/30/2017	0.0032	
3/30/2017	0.0028 (J)	
6/9/2017	<0.003	
10/2/2017	0.0014 (J)	
3/16/2018	0.0014 (J)	
9/17/2018	0.00105 (JD)	
3/20/2019		<0.003
9/12/2019		0.0037
3/11/2020		0.00079 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.003	
10/24/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/4/2008	<0.003	
4/21/2009	<0.003	
10/8/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	0.0053	
10/9/2012	<0.003	
4/11/2013	0.0075	
10/16/2013	<0.003	
4/10/2014	0.0081	
9/30/2014	0.0022 (J)	
3/30/2015	0.011 (o)	
10/13/2015	0.0045 (J)	
3/23/2016	0.00281 (J)	
5/19/2016	0.00264 (J)	
7/29/2016	0.0069	
9/22/2016	0.0066	
11/10/2016	<0.003	
1/31/2017	0.0064	
4/3/2017	0.0049	
6/9/2017	<0.003	
10/2/2017	0.0045	
3/16/2018	0.021 (o)	
9/14/2018	0.0054	
3/19/2019		0.0019 (J)
9/13/2019		0.0044
3/11/2020		0.002 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0018 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	<0.003	
7/12/2017	0.0015 (J)	
7/20/2017	<0.003	
7/28/2017	<0.003	
8/9/2017	<0.003	
8/24/2017	0.0007 (J)	
10/3/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/21/2019		<0.003
9/12/2019		0.00052 (J)
3/12/2020		0.0017 (J)

Prediction Limit

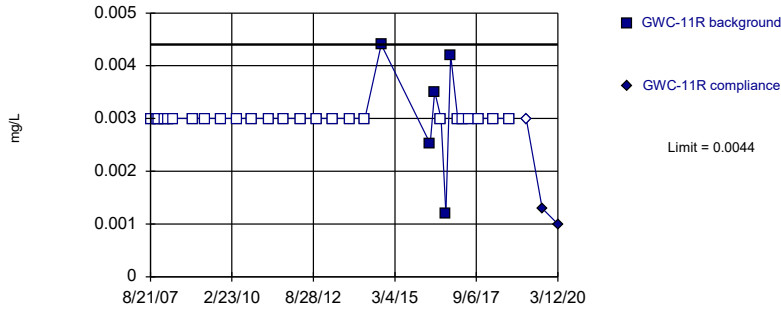
Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/20/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/8/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/8/2012	<0.003	
4/3/2013	<0.003	
10/15/2013	<0.003	
4/9/2014	<0.003	
10/2/2014	<0.003	
4/2/2015	<0.003	
10/12/2015	<0.003	
3/31/2016	<0.003	
5/26/2016	0.000659 (J)	
8/3/2016	<0.003	
9/28/2016	0.0037 (o)	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/22/2019		<0.003
9/17/2019		<0.003
3/12/2020		<0.003

Within Limit

Prediction Limit
 Intrawell Non-parametric

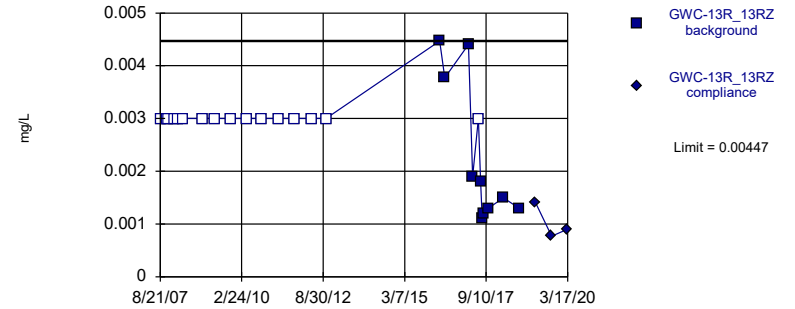


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:00 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

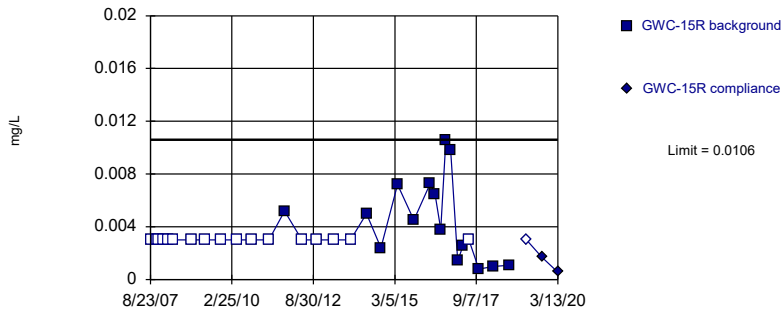


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:00 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

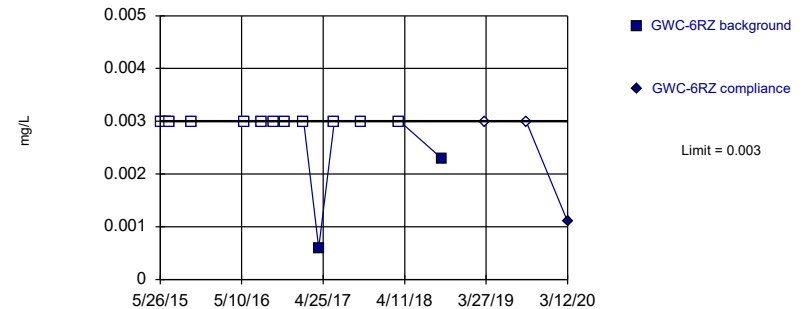


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:00 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:00 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	0.0044 (J)	
4/1/2015	0.0087 (o)	
10/11/2015	0.007 (o)	
4/4/2016	0.00252 (J)	
5/26/2016	0.00351	
8/4/2016	<0.003	
9/28/2016	0.0012 (J)	
11/22/2016	0.0042	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		<0.003
9/17/2019		0.0013 (J)
3/12/2020		0.001 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/12/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/20/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	0.007 (o)	
10/8/2013	0.01 (o)	
4/1/2014	0.011 (o)	
10/1/2014	0.018 (o)	
3/31/2015	0.011 (o)	
10/14/2015	0.0083 (o)	
4/4/2016	0.00447	
6/1/2016	0.00377	
2/22/2017	0.0044	
4/11/2017	0.0019 (J)	
6/16/2017	<0.003	
7/12/2017	0.0018 (J)	
7/28/2017	0.0011 (J)	
8/10/2017	0.0012 (J)	
10/6/2017	0.0013 (J)	
3/23/2018	0.0015 (J)	
9/20/2018	0.0013 (J)	
3/22/2019		0.0014 (J)
9/18/2019		0.00077 (X)
3/17/2020		0.0009 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.003	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/19/2009	<0.003	
4/27/2010	<0.003	
10/4/2010	<0.003	
4/18/2011	<0.003	
10/12/2011	0.0052	
4/23/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	0.0024 (J)	
4/3/2015	0.0072	
10/7/2015	0.0045 (J)	
4/5/2016	0.00727	
5/31/2016	0.00649	
8/4/2016	0.0038	
9/29/2016	0.0106	
11/23/2016	0.0098	
2/10/2017	0.0014 (J)	
4/12/2017	0.0026 (J)	
6/15/2017	<0.003	
10/6/2017	0.0008 (J)	
3/23/2018	0.001 (J)	
9/19/2018	0.0011 (J)	
3/25/2019		<0.003
9/17/2019		0.0017 (J)
3/13/2020		0.00056 (J)

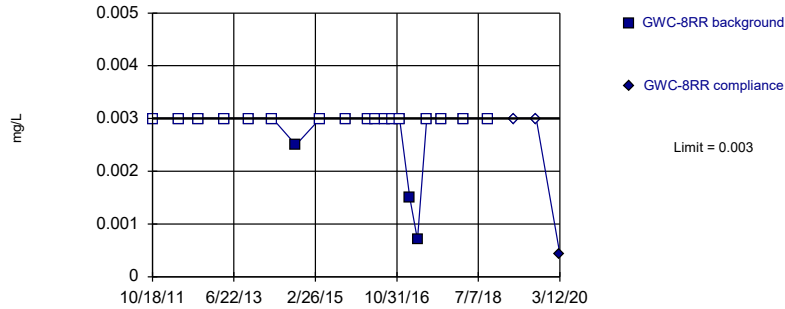
Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.003	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/9/2015	<0.003	
3/29/2016	0.0364 (o)	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/14/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.0006 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/17/2018	0.0023 (J)	
3/21/2019		<0.003
9/16/2019		<0.003
3/12/2020		0.0011 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

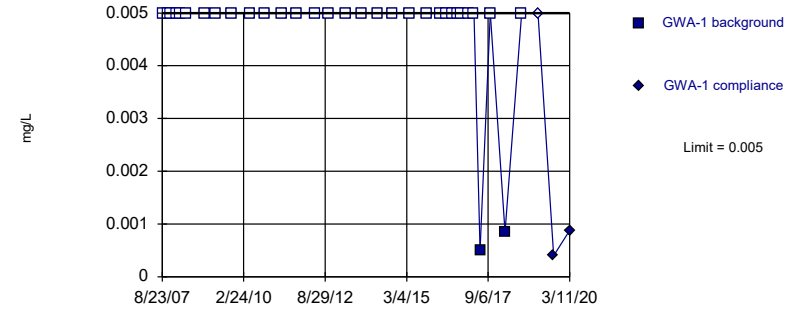


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

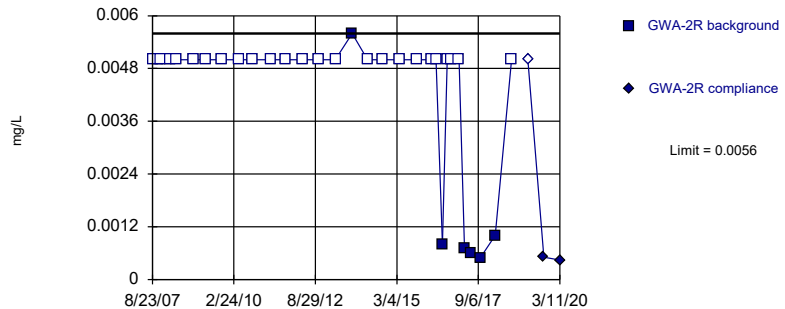


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

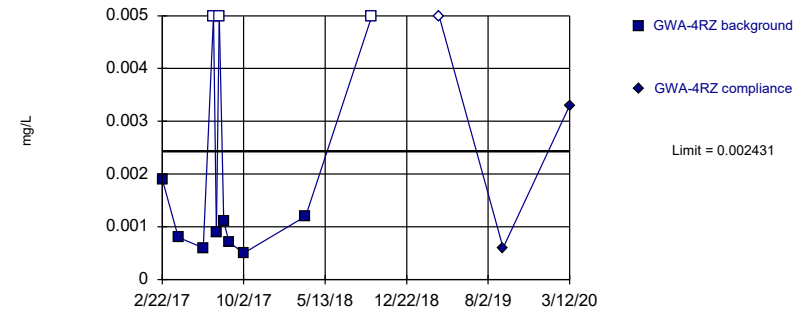


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.0969, Std. Dev.=0.01324, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8043, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Arsenic Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.003	
4/30/2012	<0.003	
10/3/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/10/2014	<0.003	
10/2/2014	0.0025 (J)	
4/3/2015	<0.003	
10/8/2015	<0.003	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	0.0015 (J)	
4/6/2017	0.0007 (J)	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019		<0.003
9/16/2019		<0.003 (D)
3/12/2020		0.00043 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	0.00085 (J)	
9/17/2018	<0.005 (D)	
3/20/2019		<0.005
9/12/2019		0.0004 (J)
3/11/2020		0.00088 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0056	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0008 (J)	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	0.0007 (J)	
6/9/2017	0.0006 (J)	
10/2/2017	0.0005 (J)	
3/16/2018	0.001 (J)	
9/14/2018	<0.005	
3/19/2019		<0.005
9/13/2019		0.00051 (J)
3/11/2020		0.00044 (J)

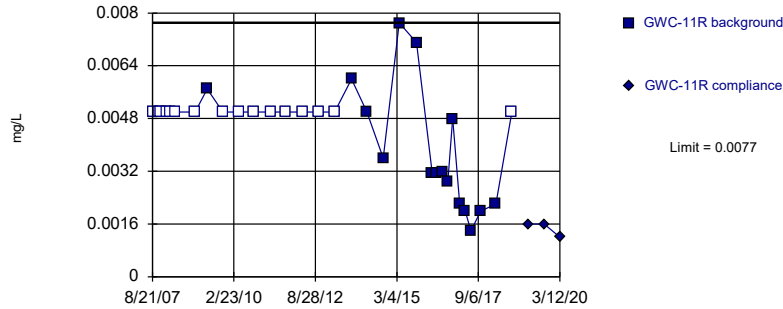
Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0019 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.0006 (J)	
7/12/2017	<0.005	
7/20/2017	0.0009 (J)	
7/28/2017	<0.005	
8/9/2017	0.0011 (J)	
8/24/2017	0.0007 (J)	
10/3/2017	0.0005 (J)	
3/21/2018	0.0012 (J)	
9/18/2018	<0.005	
3/21/2019		<0.005
9/12/2019		0.0006 (J)
3/12/2020		0.0033 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

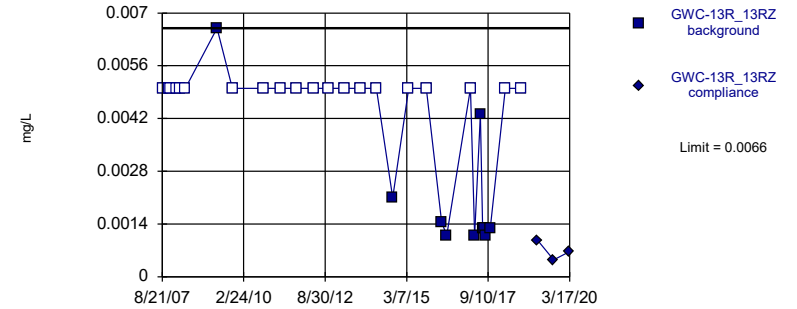


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 50% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

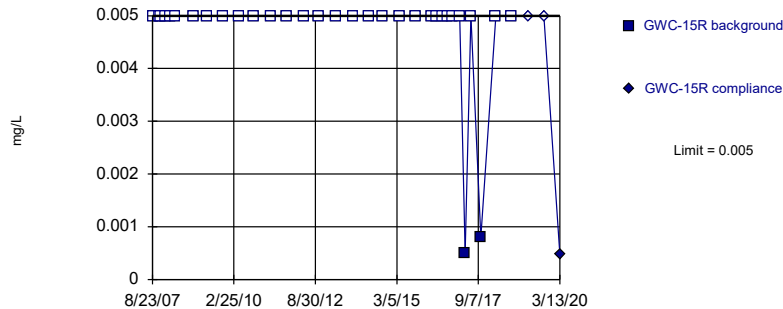


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

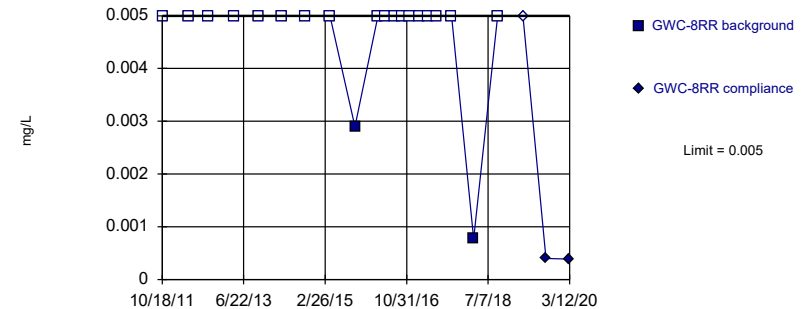


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	0.0057	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	0.006	
4/2/2014	0.005 (J)	
10/2/2014	0.0036 (J)	
4/1/2015	0.0077	
10/11/2015	0.0071	
4/4/2016	0.00315 (J)	
5/26/2016	0.00313 (J)	
8/4/2016	0.0032 (J)	
9/28/2016	0.0029 (J)	
11/22/2016	0.0048 (J)	
2/8/2017	0.0022 (J)	
4/10/2017	0.002 (J)	
6/15/2017	0.0014 (J)	
10/4/2017	0.002 (J)	
3/22/2018	0.0022 (J)	
9/18/2018	<0.005	
3/23/2019		0.0016 (J)
9/17/2019		0.0016 (J)
3/12/2020		0.0012 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.02 (o)	
4/29/2009	0.0066	
10/21/2009	<0.005	
4/28/2010	0.016 (o)	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0021 (J)	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	0.00144 (JD)	
6/1/2016	0.0011 (JD)	
2/22/2017	<0.005	
4/11/2017	0.0011 (JD)	
6/16/2017	0.0043 (JD)	
7/12/2017	0.0013 (JD)	
7/28/2017	0.0013 (J)	
8/10/2017	0.0011 (J)	
10/6/2017	0.0013 (JD)	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019		0.00097 (J)
9/18/2019		0.00045 (X)
3/17/2020		0.00067 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0005 (J)	
6/15/2017	<0.005	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019		<0.005
9/17/2019		<0.005
3/13/2020		0.00047 (J)

Prediction Limit

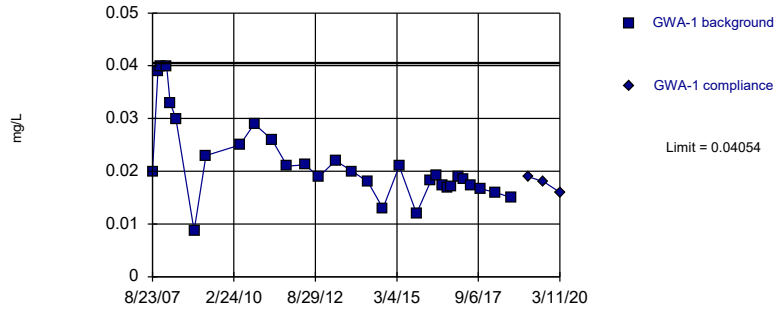
Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0029 (J)	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00077 (J)	
9/18/2018	<0.005	
3/27/2019		<0.005
9/16/2019		0.0004 (JD)
3/12/2020		0.00039 (J)

Within Limit

Prediction Limit
Intrawell Parametric

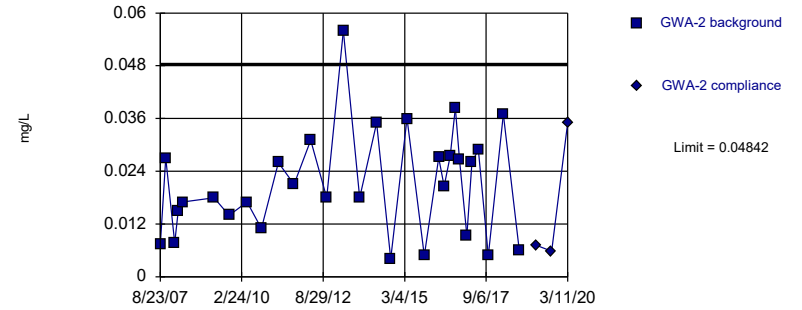


Background Data Summary (based on square root transformation): Mean=0.1451, Std. Dev.=0.02538, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9267, critical = 0.902. Kappa = 2.215 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

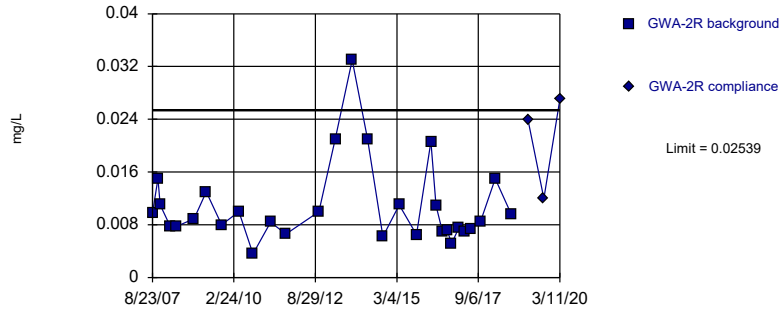


Background Data Summary: Mean=0.02121, Std. Dev.=0.01224, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9464, critical = 0.9. Kappa = 2.223 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

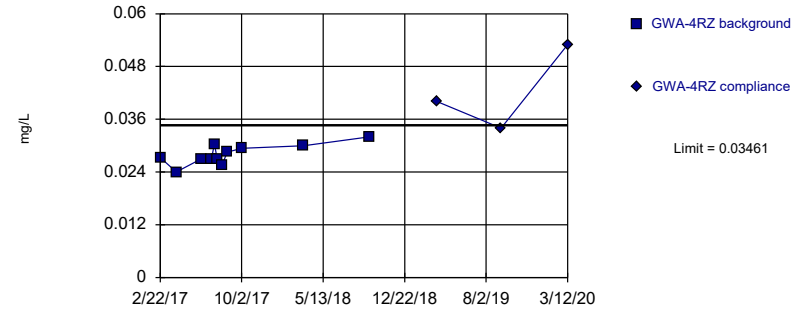


Background Data Summary (based on cube root transformation): Mean=0.2153, Std. Dev.=0.03537, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.904, critical = 0.9. Kappa = 2.223 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02799, Std. Dev.=0.002333, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9753, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.02	
10/23/2007	0.039	
11/18/2007	0.04 (J)	
1/30/2008	0.04	
3/10/2008	0.033	
5/13/2008	0.03	
12/5/2008	0.0087	
4/15/2009	0.023	
10/7/2009	0.15 (o)	
5/3/2010	0.025	
10/12/2010	0.029	
4/27/2011	0.026	
10/17/2011	0.021	
5/2/2012	0.0212	
10/8/2012	0.019	
4/12/2013	0.022	
10/16/2013	0.02	
4/11/2014	0.018	
9/30/2014	0.013	
3/30/2015	0.021	
10/13/2015	0.012	
3/22/2016	0.0182	
5/19/2016	0.0193	
7/29/2016	0.0174	
9/23/2016	0.0168	
11/9/2016	0.0171	
1/30/2017	0.019	
3/30/2017	0.0184	
6/9/2017	0.0174	
10/2/2017	0.0167	
3/16/2018	0.016	
9/17/2018	0.015 (D)	
3/20/2019		0.019
9/12/2019		0.018
3/11/2020		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	0.0073	
10/24/2007	0.027	
11/18/2007	0.13 (o)	
1/31/2008	0.0077	
3/11/2008	0.015	
5/6/2008	0.017	
12/4/2008	0.14 (o)	
4/21/2009	0.018	
10/7/2009	0.014	
4/26/2010	0.017	
10/4/2010	0.011	
4/13/2011	0.026	
10/5/2011	0.021	
4/11/2012	0.0311	
10/9/2012	0.018	
4/15/2013	0.056	
10/15/2013	0.018	
4/22/2014	0.035	
9/30/2014	0.0041	
3/30/2015	0.036	
10/13/2015	0.0048	
3/23/2016	0.0271	
5/20/2016	0.0206	
7/29/2016	0.0275	
9/23/2016	0.0384	
11/9/2016	0.0266	
1/31/2017	0.0094 (J)	
3/30/2017	0.0262	
6/12/2017	0.0288	
10/2/2017	0.0048 (J)	
3/19/2018	0.037	
9/14/2018	0.0059 (J)	
3/20/2019		0.0072 (J)
9/12/2019		0.0058 (JD)
3/11/2020		0.035

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0098	
10/24/2007	0.015	
11/18/2007	0.011	
1/31/2008	0.13 (O)	
3/10/2008	0.0078	
5/13/2008	0.0077	
12/4/2008	0.0089	
4/21/2009	0.013	
10/8/2009	0.008	
4/21/2010	0.01	
9/28/2010	0.0036	
4/12/2011	0.0084	
10/4/2011	0.0066	
4/3/2012	0.0625 (O)	
10/9/2012	0.01	
4/11/2013	0.021	
10/16/2013	0.033	
4/10/2014	0.021	
9/30/2014	0.0062	
3/30/2015	0.011	
10/13/2015	0.0065	
3/23/2016	0.0206	
5/19/2016	0.0109	
7/29/2016	0.007 (J)	
9/22/2016	0.0071 (J)	
11/10/2016	0.0052 (J)	
1/31/2017	0.0076 (J)	
4/3/2017	0.007 (J)	
6/9/2017	0.0074 (J)	
10/2/2017	0.0085 (J)	
3/16/2018	0.015	
9/14/2018	0.0095 (J)	
3/19/2019		0.024
9/13/2019		0.012
3/11/2020		0.027

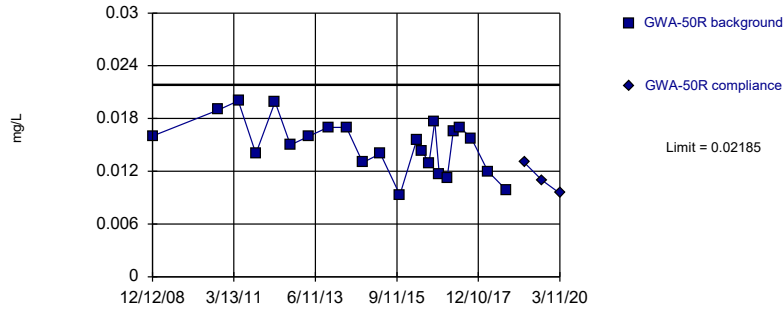
Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0273	
4/7/2017	0.024	
6/14/2017	0.027	
7/12/2017	0.027	
7/20/2017	0.0304	
7/28/2017	0.0269	
8/9/2017	0.0254	
8/24/2017	0.0285	
10/3/2017	0.0294	
3/21/2018	0.03	
9/18/2018	0.032	
3/21/2019		0.04
9/12/2019		0.034
3/12/2020		0.053

Within Limit

Prediction Limit
Intrawell Parametric

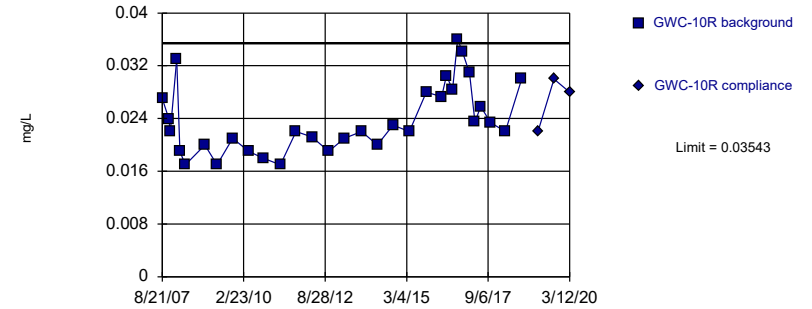


Background Data Summary: Mean=0.01499, Std. Dev.=0.002959, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.881. Kappa = 2.317 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

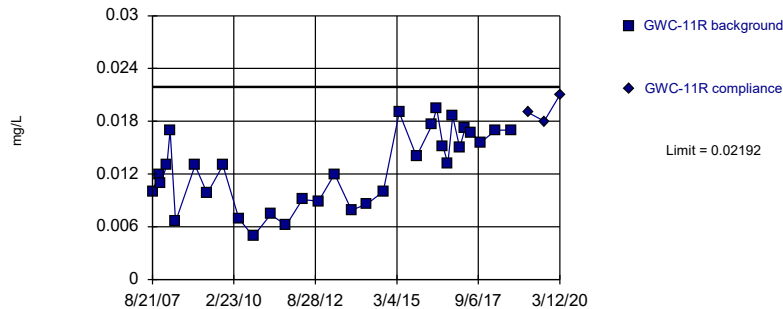


Background Data Summary: Mean=0.02388, Std. Dev.=0.005231, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.904. Kappa = 2.208 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

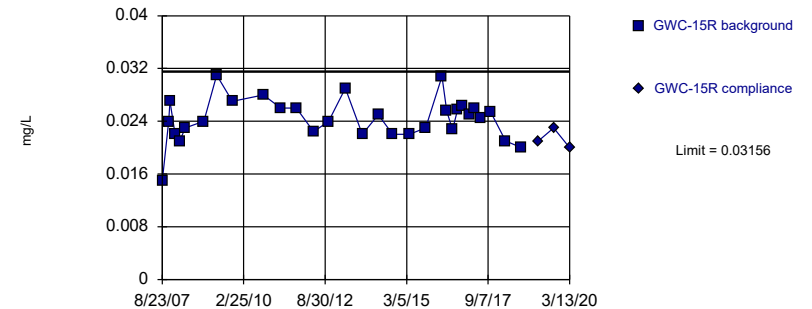


Background Data Summary: Mean=0.01259, Std. Dev.=0.004227, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.904. Kappa = 2.208 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.0244, Std. Dev.=0.003233, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9654, critical = 0.902. Kappa = 2.215 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.016	
4/23/2009	0.14 (O)	
10/6/2009	0.12 (O)	
5/3/2010	0.12 (O)	
10/11/2010	0.019	
4/27/2011	0.02	
10/19/2011	0.014	
5/1/2012	0.0199	
10/2/2012	0.015	
4/10/2013	0.016	
10/16/2013	0.017	
4/22/2014	0.017	
10/1/2014	0.013	
3/30/2015	0.014	
10/11/2015	0.0093	
3/28/2016	0.0155	
5/25/2016	0.0143	
8/1/2016	0.0129	
9/26/2016	0.0177	
11/11/2016	0.0117	
1/30/2017	0.0113	
4/3/2017	0.0166	
6/12/2017	0.017	
10/2/2017	0.0157	
3/16/2018	0.012	
9/18/2018	0.0099 (J)	
3/19/2019		0.013
9/12/2019		0.011
3/11/2020		0.0095 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.027	
11/1/2007	0.024	
11/20/2007	0.022	
1/30/2008	0.033 (J)	
3/6/2008	0.019	
5/8/2008	0.017	
12/14/2008	0.02	
4/29/2009	0.017	
10/21/2009	0.021	
4/21/2010	0.019	
9/28/2010	0.018	
4/12/2011	0.017	
10/4/2011	0.022	
4/3/2012	0.0212	
10/8/2012	0.019	
4/3/2013	0.021	
10/15/2013	0.022	
4/9/2014	0.02	
10/2/2014	0.023	
4/2/2015	0.022	
10/12/2015	0.028	
3/31/2016	0.0273	
5/26/2016	0.0305	
8/3/2016	0.0284	
9/28/2016	0.036	
11/22/2016	0.0341 (J)	
2/7/2017	0.0309	
4/10/2017	0.0235	
6/14/2017	0.0258	
10/4/2017	0.0234	
3/21/2018	0.022	
9/18/2018	0.03	
3/22/2019		0.022
9/17/2019		0.03
3/12/2020		0.028

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	0.01	
11/1/2007	0.012	
11/18/2007	0.011	
1/30/2008	0.013	
3/6/2008	0.017	
5/7/2008	0.0066	
12/14/2008	0.013	
4/29/2009	0.0098	
10/22/2009	0.013	
4/21/2010	0.0069	
9/29/2010	0.0049	
4/13/2011	0.0074	
10/4/2011	0.0062	
4/4/2012	0.0091	
10/3/2012	0.0089	
4/3/2013	0.012	
10/9/2013	0.0079	
4/2/2014	0.0086	
10/2/2014	0.01	
4/1/2015	0.019	
10/11/2015	0.014	
4/4/2016	0.0176	
5/26/2016	0.0195	
8/4/2016	0.0151	
9/28/2016	0.0132	
11/22/2016	0.0186 (J)	
2/8/2017	0.015	
4/10/2017	0.0172	
6/15/2017	0.0167	
10/4/2017	0.0156	
3/22/2018	0.017	
9/18/2018	0.017	
3/23/2019		0.019
9/17/2019		0.018
3/12/2020		0.021

Prediction Limit

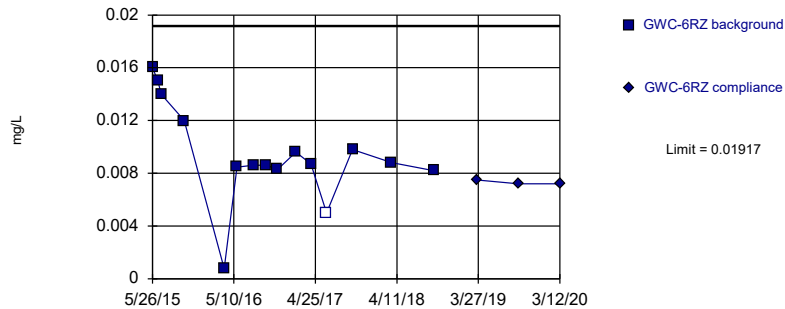
Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.015	
11/2/2007	0.024	
11/17/2007	0.027	
1/15/2008	0.022	
3/6/2008	0.021	
5/7/2008	0.023	
12/2/2008	0.024	
4/28/2009	0.031	
10/19/2009	0.027	
4/27/2010	0.051 (o)	
10/4/2010	0.028	
4/18/2011	0.026	
10/12/2011	0.026	
4/23/2012	0.0224	
10/10/2012	0.024	
4/15/2013	0.029	
10/22/2013	0.022	
4/21/2014	0.025	
9/30/2014	0.022	
4/3/2015	0.022	
10/7/2015	0.023	
4/5/2016	0.0308	
5/31/2016	0.0255	
8/4/2016	0.0227	
9/29/2016	0.0258	
11/23/2016	0.0263 (J)	
2/10/2017	0.025	
4/12/2017	0.026	
6/15/2017	0.0244	
10/6/2017	0.0254	
3/23/2018	0.021	
9/19/2018	0.02	
3/25/2019		0.021
9/17/2019		0.023
3/13/2020		0.02

Within Limit

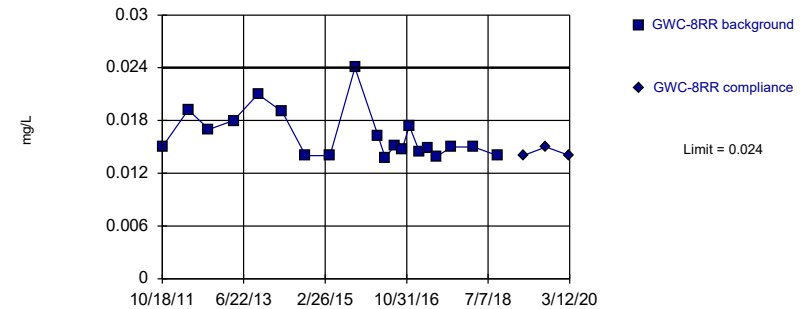
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.009456, Std. Dev.=0.003803, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9092, critical = 0.835. Kappa = 2.555 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Within Limit

Prediction Limit
Intrawell Non-parametric



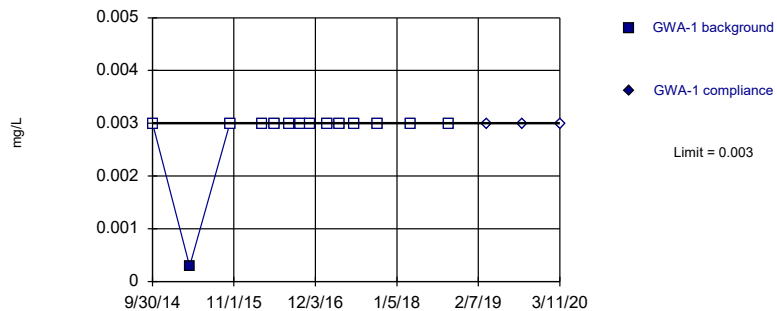
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Constituent: Barium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

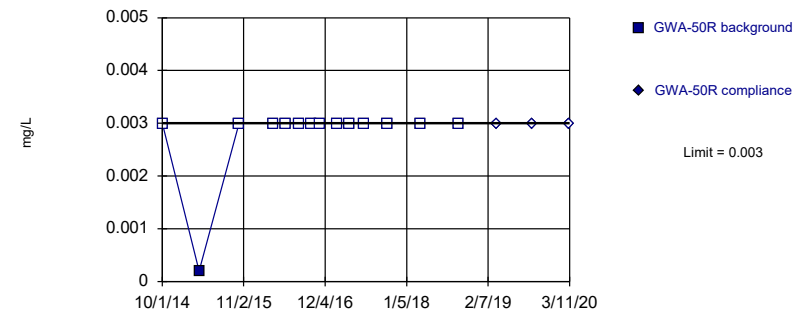
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Constituent: Beryllium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	0.016	
6/18/2015	0.015 (D)	
7/2/2015	0.014	
10/9/2015	0.012	
3/29/2016	0.000768 (J)	
5/24/2016	0.00847 (J)	
8/1/2016	0.0086 (J)	
9/26/2016	0.0086 (J)	
11/14/2016	0.0083 (J)	
2/1/2017	0.0096 (J)	
4/6/2017	0.0087 (J)	
6/13/2017	<0.01	
10/3/2017	0.0098 (J)	
3/20/2018	0.0088 (J)	
9/17/2018	0.0082 (J)	
3/21/2019		0.0075 (J)
9/16/2019		0.0072 (J)
3/12/2020		0.0072 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	0.015	
4/30/2012	0.0192	
10/3/2012	0.017	
4/8/2013	0.018	
10/9/2013	0.021	
4/10/2014	0.019	
10/2/2014	0.014	
4/3/2015	0.014	
10/8/2015	0.024	
3/30/2016	0.0163	
5/24/2016	0.0137	
8/2/2016	0.0152	
9/27/2016	0.0147	
11/22/2016	0.0174 (J)	
2/6/2017	0.0144	
4/6/2017	0.0149	
6/14/2017	0.0139	
10/4/2017	0.015	
3/21/2018	0.015	
9/18/2018	0.014	
3/27/2019		0.014
9/16/2019		0.015 (D)
3/12/2020		0.014

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
9/30/2014	<0.003	
3/30/2015	0.00029 (J)	
10/13/2015	<0.003	
3/22/2016	<0.003	
5/19/2016	<0.003	
7/29/2016	<0.003	
9/23/2016	<0.003	
11/9/2016	<0.003	
1/30/2017	<0.003	
3/30/2017	<0.003	
6/9/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003 (D)	
3/20/2019		<0.003
9/12/2019		<0.003
3/11/2020		<0.003

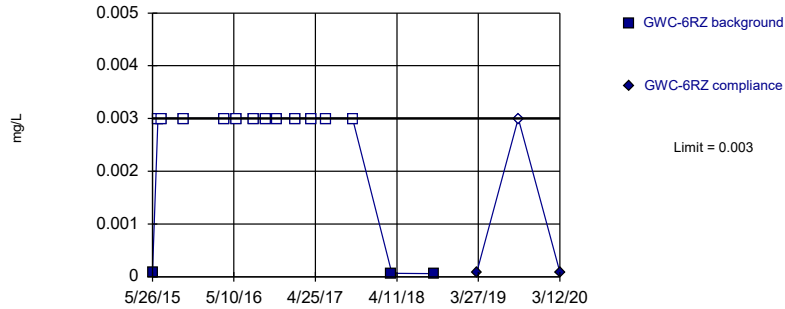
Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
10/1/2014	<0.003	
3/30/2015	0.0002 (J)	
10/11/2015	<0.003	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/11/2016	<0.003	
1/30/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/18/2018	<0.003	
3/19/2019		<0.003
9/12/2019		<0.003
3/11/2020		<0.003

Within Limit

Prediction Limit
Intrawell Non-parametric

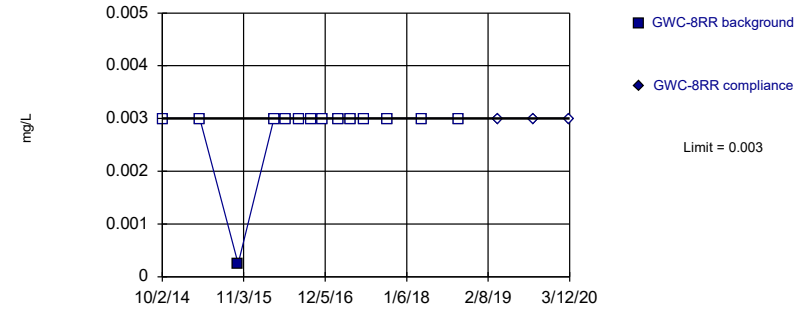


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Beryllium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

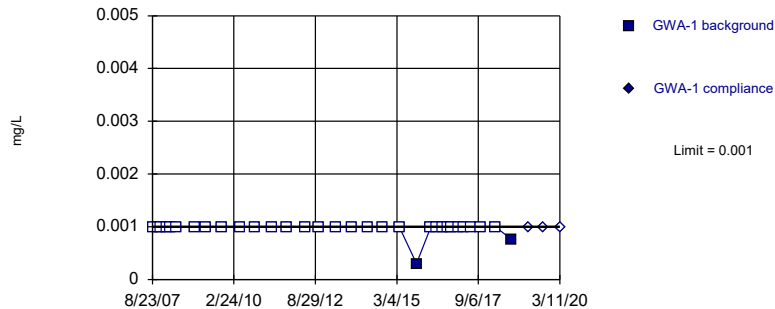


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

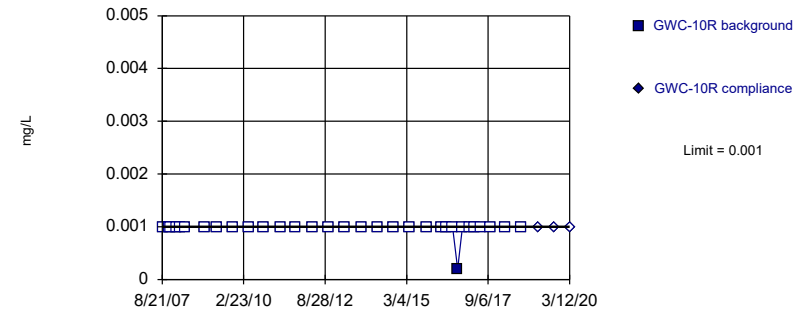


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	8.8E-05 (J)	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/14/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	6.8E-05 (J)	
9/17/2018	5.8E-05 (J)	
3/21/2019		7.6E-05 (J)
9/16/2019		<0.003
3/12/2020		9.3E-05 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/2/2014	<0.003	
4/3/2015	<0.003	
10/8/2015	0.00025 (J)	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019		<0.003
9/16/2019		<0.003 (D)
3/12/2020		<0.003

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.001	
10/23/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/5/2008	<0.001	
4/15/2009	<0.001	
10/7/2009	<0.001	
5/3/2010	<0.001	
10/12/2010	<0.001	
4/27/2011	<0.001	
10/17/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/12/2013	<0.001	
10/16/2013	<0.001	
4/11/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	<0.001	
10/13/2015	0.0003 (J)	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/30/2017	<0.001	
3/30/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/17/2018	0.00076 (D)	
3/20/2019		<0.001
9/12/2019		<0.001
3/11/2020		<0.001

Prediction Limit

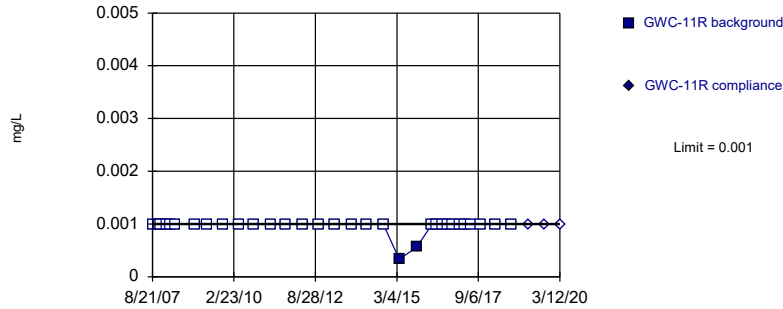
Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/20/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/8/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/21/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/8/2012	<0.001	
4/3/2013	<0.001	
10/15/2013	<0.001	
4/9/2014	<0.001	
10/2/2014	<0.001	
4/2/2015	<0.001	
10/12/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	0.0002 (J)	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019		<0.001
9/17/2019		<0.001
3/12/2020		<0.001

Within Limit

Prediction Limit
Intrawell Non-parametric

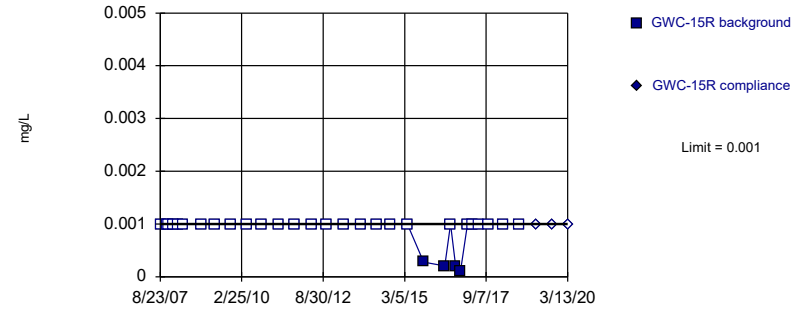


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

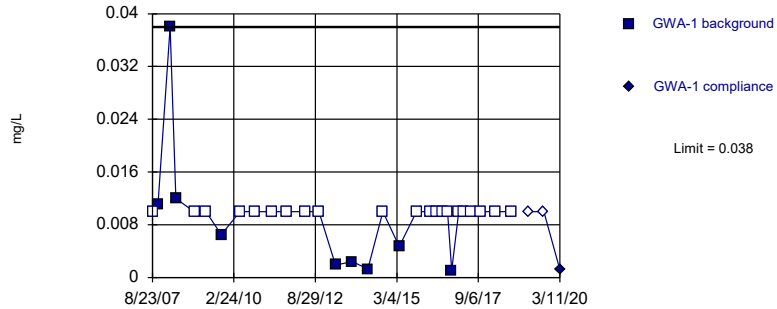


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

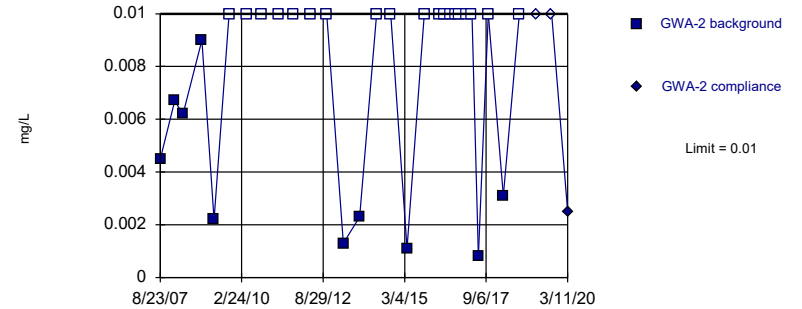


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 70% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 65.52% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/22/2009	<0.001	
4/21/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/9/2013	<0.001	
4/2/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	0.00033 (J)	
10/11/2015	0.00056 (J)	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001
9/17/2019		<0.001
3/12/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/28/2009	<0.001	
10/19/2009	<0.001	
4/27/2010	<0.001	
10/4/2010	<0.001	
4/18/2011	<0.001	
10/12/2011	<0.001	
4/23/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	0.00028 (J)	
4/5/2016	0.027 (o)	
5/31/2016	0.000206 (J)	
8/4/2016	<0.001	
9/29/2016	0.0002 (J)	
11/23/2016	0.0001 (J)	
2/10/2017	<0.001	
4/12/2017	<0.001	
6/15/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/25/2019		<0.001
9/17/2019		<0.001
3/13/2020		<0.001

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	0.011	
11/18/2007	0.038 (o)	
1/30/2008	0.11 (O)	
3/10/2008	0.038	
5/13/2008	0.012	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0065	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	0.0019	
10/16/2013	0.0024	
4/11/2014	0.0013 (J)	
9/30/2014	<0.01	
3/30/2015	0.0047	
10/13/2015	<0.01	
3/22/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	0.0011 (J)	
1/30/2017	<0.01	
3/30/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01
9/12/2019		<0.01
3/11/2020		0.0012 (J)

Prediction Limit

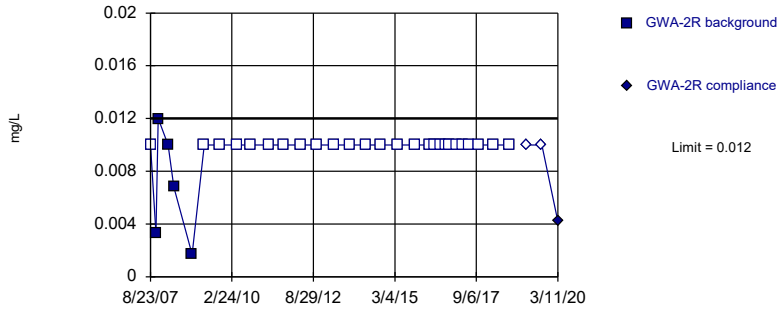
Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	0.0045	
10/24/2007	0.039 (o)	
11/18/2007	0.059 (o)	
1/31/2008	0.0067	
3/11/2008	0.03 (o)	
5/6/2008	0.0062	
12/4/2008	0.009	
4/21/2009	0.0022	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	0.0013	
10/15/2013	0.0023	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0011 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/20/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	0.0008 (J)	
10/2/2017	<0.01	
3/19/2018	0.0031 (J)	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		<0.01 (D)
3/11/2020		0.0025 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

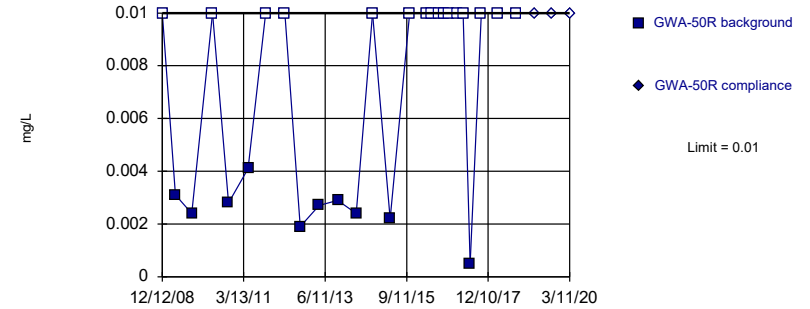


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

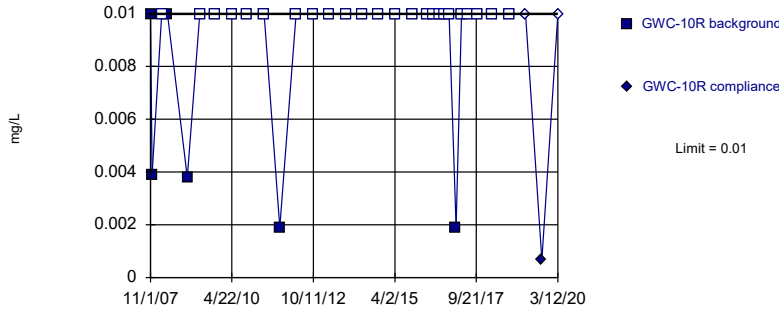


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

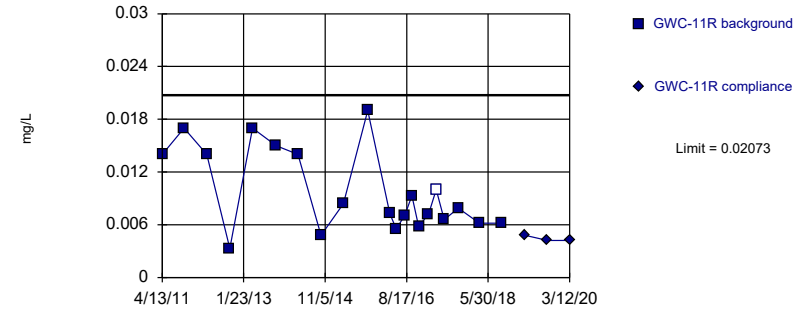


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 80% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.009791, Std. Dev.=0.004649, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8988, critical = 0.873. Kappa = 2.354 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	0.0033	
11/18/2007	0.012	
1/31/2008	0.052 (O)	
3/10/2008	0.01	
5/13/2008	0.0068	
12/4/2008	0.0017	
4/21/2009	<0.01	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	<0.01	
11/10/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01
9/13/2019		<0.01
3/11/2020		0.0042 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0031	
10/6/2009	0.0024	
5/3/2010	<0.01	
10/11/2010	0.0028	
4/27/2011	0.0041	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	0.0019	
4/10/2013	0.0027	
10/16/2013	0.0029	
4/22/2014	0.0024	
10/1/2014	<0.01	
3/30/2015	0.0022	
10/11/2015	<0.01	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/11/2016	<0.01	
1/30/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	0.0005 (J)	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01
9/12/2019		<0.01
3/11/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.036 (o)	
11/1/2007	0.01	
11/20/2007	0.0039	
1/30/2008	0.019 (o)	
3/6/2008	<0.01	
5/8/2008	0.01	
12/14/2008	0.0038	
4/29/2009	<0.01	
10/21/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	0.0019	
4/3/2012	<0.01	
10/8/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/12/2015	<0.01	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/7/2017	0.0019 (J)	
4/10/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.00067 (J)
3/12/2020		<0.01

Prediction Limit

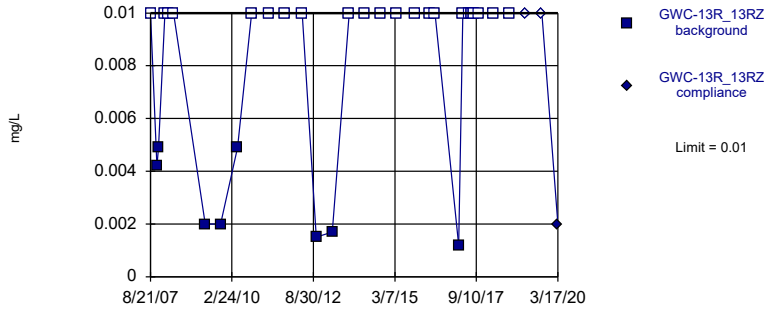
Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	0.037	
11/1/2007	0.04	
11/18/2007	0.045	
1/30/2008	0.041	
3/6/2008	0.042	
5/7/2008	0.029	
12/14/2008	0.032	
4/29/2009	0.017	
10/22/2009	0.022	
4/21/2010	0.021	
9/29/2010	0.024	
4/13/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.014	
10/3/2012	0.0033	
4/3/2013	0.017	
10/9/2013	0.015	
4/2/2014	0.014	
10/2/2014	0.0048	
4/1/2015	0.0084	
10/11/2015	0.019	
4/4/2016	0.00728 (J)	
5/26/2016	0.00553 (J)	
8/4/2016	0.0071 (J)	
9/28/2016	0.0093 (J)	
11/22/2016	0.0058 (J)	
2/8/2017	0.0072 (J)	
4/10/2017	<0.01	
6/15/2017	0.0066 (J)	
10/4/2017	0.0079 (J)	
3/22/2018	0.0062 (J)	
9/18/2018	0.0062 (J)	
3/23/2019		0.0048 (J)
9/17/2019		0.0042 (J)
3/12/2020		0.0042 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

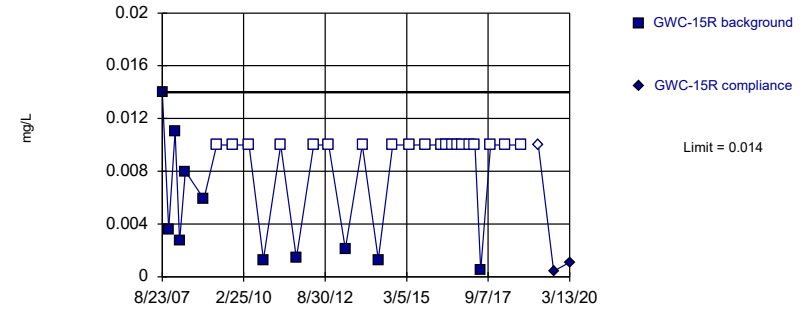


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 74.19% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

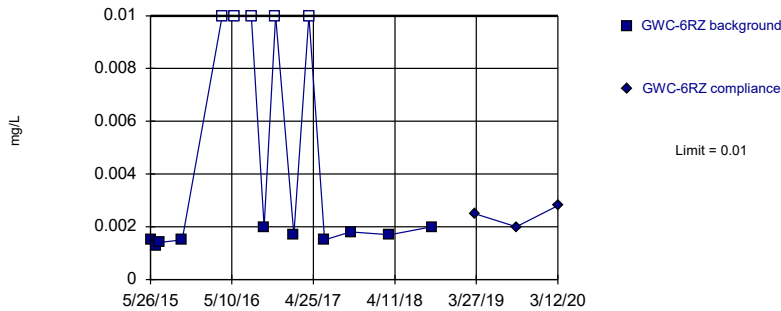


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 64.52% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

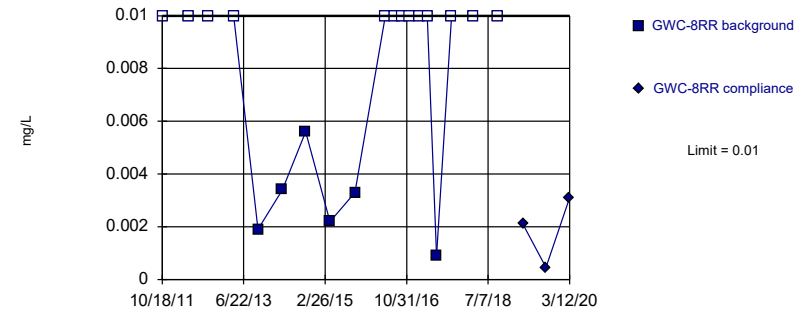


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Chromium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.01	
11/1/2007	0.0042	
11/19/2007	0.0049	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	0.019 (o)	
4/29/2009	0.002	
10/21/2009	0.002	
4/28/2010	0.0049	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	0.0015	
4/2/2013	0.0017	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01 (D)	
6/1/2016	<0.01 (D)	
2/22/2017	0.0012 (J)	
4/11/2017	<0.01	
6/16/2017	<0.01	
7/12/2017	<0.01	
7/28/2017	<0.01	
8/10/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		0.002 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.014	
11/2/2007	0.0036	
11/17/2007	0.031 (o)	
1/15/2008	0.011	
3/6/2008	0.0027	
5/7/2008	0.008	
12/2/2008	0.0059	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	0.0013	
4/18/2011	<0.01	
10/12/2011	0.0014	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	0.0021	
10/22/2013	<0.01	
4/21/2014	0.0013 (J)	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/12/2017	<0.01	
6/15/2017	0.0005 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01
9/17/2019		0.00044 (J)
3/13/2020		0.0011 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0015	
6/18/2015	0.0013 (D)	
7/2/2015	0.0014	
10/9/2015	0.0015	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	0.002 (J)	
11/14/2016	<0.01	
2/1/2017	0.0017 (J)	
4/6/2017	<0.01	
6/13/2017	0.0015 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0017 (J)	
9/17/2018	0.002 (J)	
3/21/2019		0.0025 (J)
9/16/2019		0.002 (J)
3/12/2020		0.0028 (J)

Prediction Limit

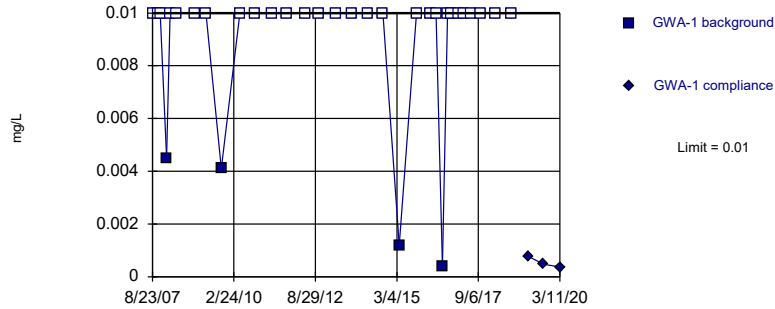
Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0019	
4/10/2014	0.0034	
10/2/2014	0.0056	
4/3/2015	0.0022	
10/8/2015	0.0033	
3/30/2016	0.0228 (o)	
5/24/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/22/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/14/2017	0.0009 (J)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		0.0021 (J)
9/16/2019		0.000465 (JD)
3/12/2020		0.0031 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

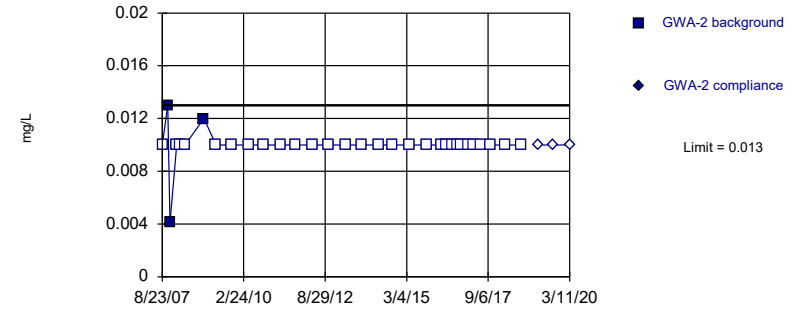


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

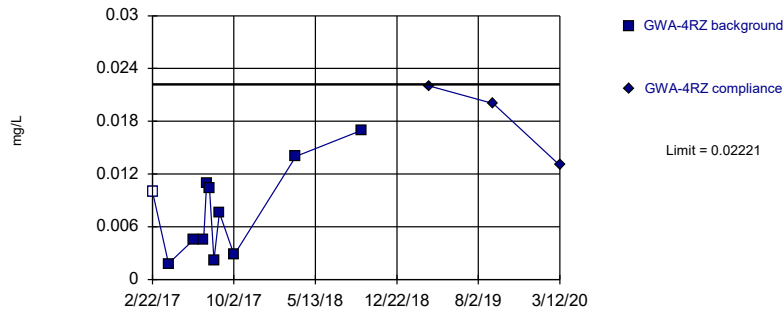


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

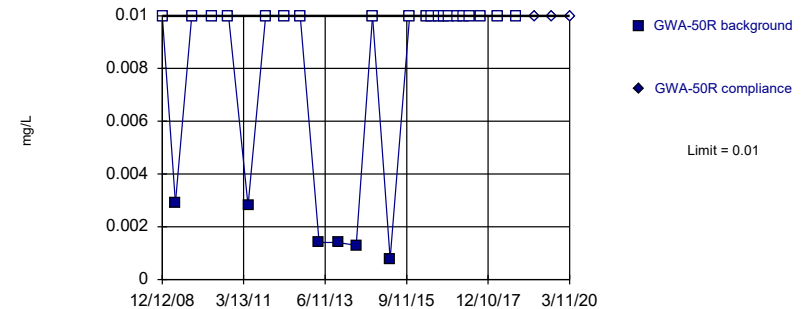


Background Data Summary: Mean=0.0078, Std. Dev.=0.005078, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Cobalt Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	0.0045	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0041	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0012 (J)	
10/13/2015	<0.01	
3/22/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	0.0004 (J)	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/30/2017	<0.01	
3/30/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		0.00078 (J)
9/12/2019		0.00047 (J)
3/11/2020		0.00037 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	0.013	
11/18/2007	0.0041	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/6/2008	<0.01	
12/4/2008	0.012	
4/21/2009	<0.01	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/20/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		<0.01 (D)
3/11/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.01	
4/7/2017	0.0018 (J)	
6/14/2017	0.0045 (J)	
7/12/2017	0.0046 (J)	
7/20/2017	0.0109	
7/28/2017	0.0104	
8/9/2017	0.0022 (J)	
8/24/2017	0.0076 (J)	
10/3/2017	0.0028 (J)	
3/21/2018	0.014	
9/18/2018	0.017	
3/21/2019		0.022
9/12/2019		0.02
3/12/2020		0.013

Prediction Limit

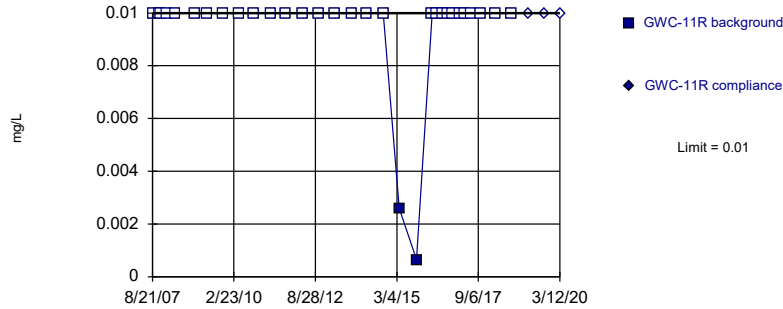
Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0029	
10/6/2009	<0.01	
5/3/2010	<0.01	
10/11/2010	<0.01	
4/27/2011	0.0028	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	<0.01	
4/10/2013	0.0014	
10/16/2013	0.0014	
4/22/2014	0.0013	
10/1/2014	<0.01	
3/30/2015	0.00079 (J)	
10/11/2015	<0.01	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/11/2016	<0.01	
1/30/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01
9/12/2019		<0.01
3/11/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

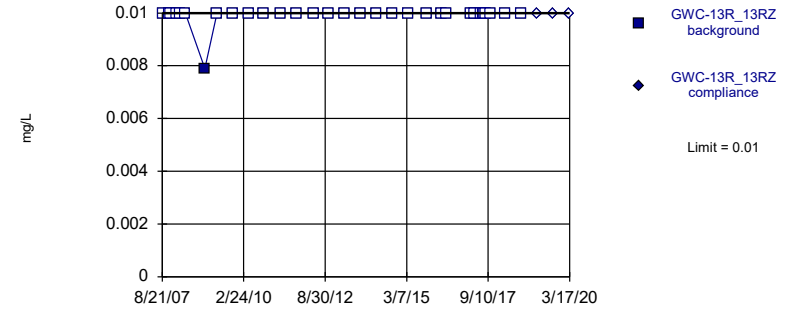


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cobalt Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

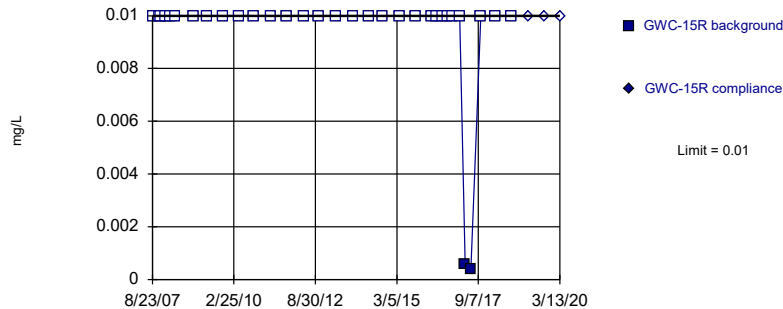


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

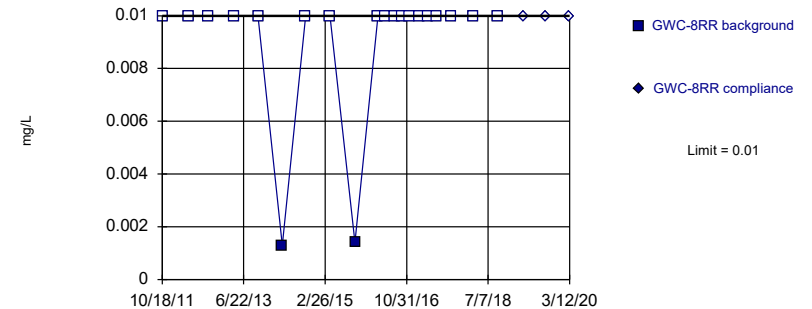


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.11 (o)	
5/7/2008	<0.01	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	0.0026	
10/11/2015	0.00065 (J)	
4/4/2016	<0.01	
5/26/2016	<0.01	
8/4/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/8/2017	<0.01	
4/10/2017	<0.01	
6/15/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	0.0079	
4/29/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
6/1/2016	<0.01	
2/22/2017	<0.01	
4/11/2017	<0.01	
6/16/2017	<0.01	
7/12/2017	<0.01	
7/28/2017	<0.01	
8/10/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/12/2017	0.0006 (J)	
6/15/2017	0.0004 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01

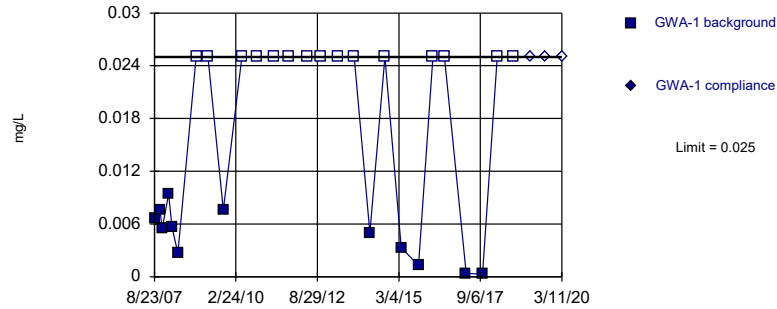
Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	0.0013 (J)	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.0014	
3/30/2016	<0.01	
5/24/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/22/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01
9/16/2019		<0.01 (D)
3/12/2020		<0.01

Within Limit

Prediction Limit
 Intrawell Non-parametric

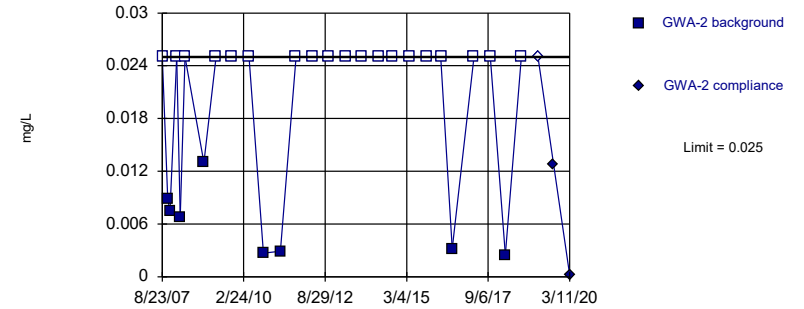


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

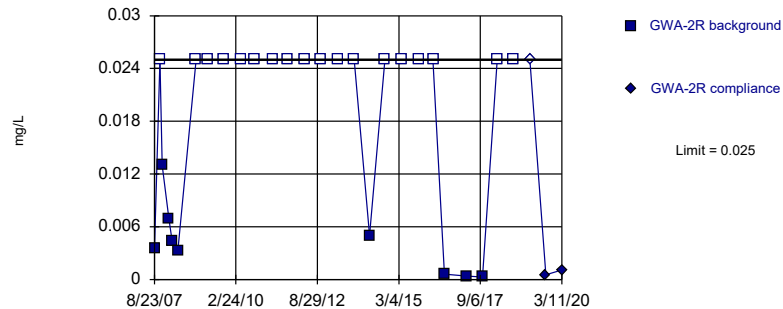


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

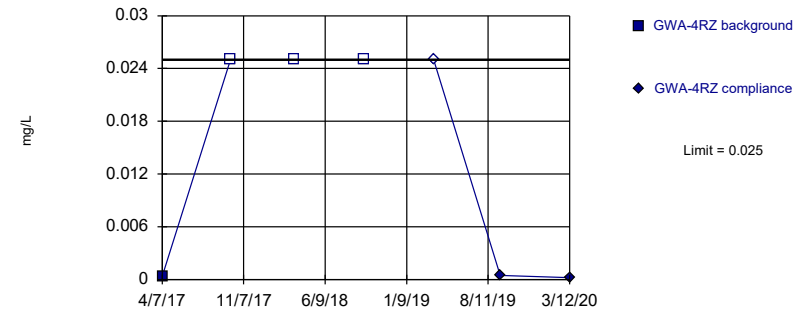


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 4 background values. 75% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.0066	
10/23/2007	0.0076	
11/18/2007	0.0055 (J)	
1/30/2008	0.0094	
3/10/2008	0.0056	
5/13/2008	0.0027	
12/5/2008	<0.025	
4/15/2009	<0.025	
10/7/2009	0.0076	
5/3/2010	<0.025	
10/12/2010	<0.025	
4/27/2011	<0.025	
10/17/2011	<0.025	
5/2/2012	<0.025	
10/8/2012	<0.025	
4/12/2013	<0.025	
10/16/2013	<0.025	
4/11/2014	0.005 (J)	
9/30/2014	<0.025	
3/30/2015	0.0033 (J)	
10/13/2015	0.0013 (J)	
3/22/2016	<0.025	
7/29/2016	<0.025	
3/30/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.025	
9/17/2018	<0.025 (D)	
3/20/2019		<0.025
9/12/2019		<0.025
3/11/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.025	
10/24/2007	0.0088	
11/18/2007	0.0075	
1/31/2008	<0.025	
3/11/2008	0.0068	
5/6/2008	<0.025	
12/4/2008	0.013	
4/21/2009	<0.025	
10/7/2009	<0.025	
4/26/2010	<0.025	
10/4/2010	0.0027	
4/13/2011	0.0029	
10/5/2011	<0.025	
4/11/2012	<0.025	
10/9/2012	<0.025	
4/15/2013	<0.025	
10/15/2013	<0.025	
4/22/2014	<0.025	
9/30/2014	<0.025	
3/30/2015	<0.025	
10/13/2015	<0.025	
3/23/2016	<0.025	
7/29/2016	0.0032 (J)	
3/30/2017	<0.025	
10/2/2017	<0.025	
3/19/2018	0.0025 (J)	
9/14/2018	<0.025	
3/20/2019		<0.025
9/12/2019		0.01273 (D)
3/11/2020		0.0002 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0036	
10/24/2007	<0.025	
11/18/2007	0.013	
1/31/2008	0.0069	
3/10/2008	0.0044	
5/13/2008	0.0033	
12/4/2008	<0.025	
4/21/2009	<0.025	
10/8/2009	<0.025	
4/21/2010	<0.025	
9/28/2010	<0.025	
4/12/2011	<0.025	
10/4/2011	<0.025	
4/3/2012	<0.025	
10/9/2012	<0.025	
4/11/2013	<0.025	
10/16/2013	<0.025	
4/10/2014	0.005 (J)	
9/30/2014	<0.025	
3/30/2015	<0.025	
10/13/2015	<0.025	
3/23/2016	<0.025	
7/29/2016	0.0006 (J)	
4/3/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.025	
9/14/2018	<0.025	
3/19/2019		<0.025
9/13/2019		0.00055 (J)
3/11/2020		0.0011 (J)

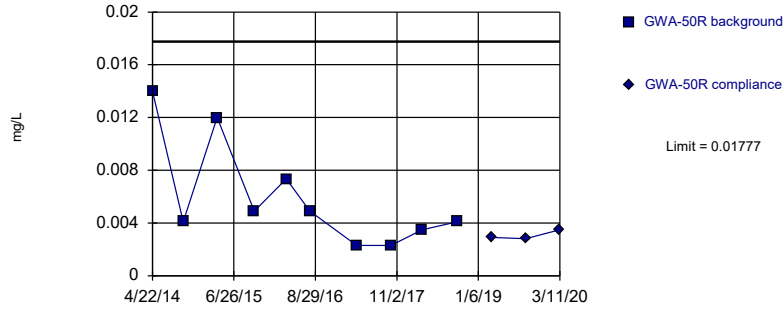
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	0.0004 (J)	
10/3/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/21/2019		<0.025
9/12/2019		0.00045 (J)
3/12/2020		0.0002 (J)

Within Limit

Prediction Limit
Intrawell Parametric

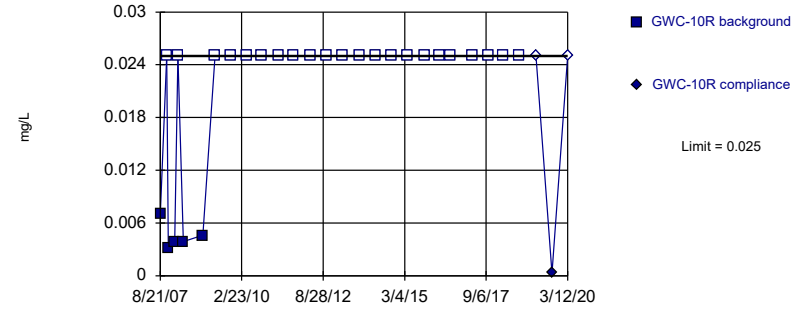


Background Data Summary: Mean=0.005944, Std. Dev.=0.004014, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.813, critical = 0.781. Kappa = 2.945 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

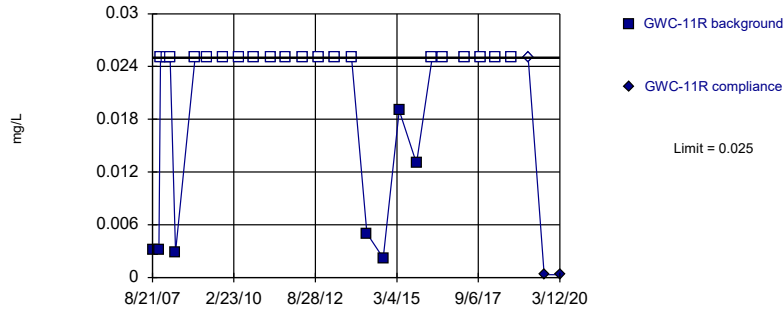


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

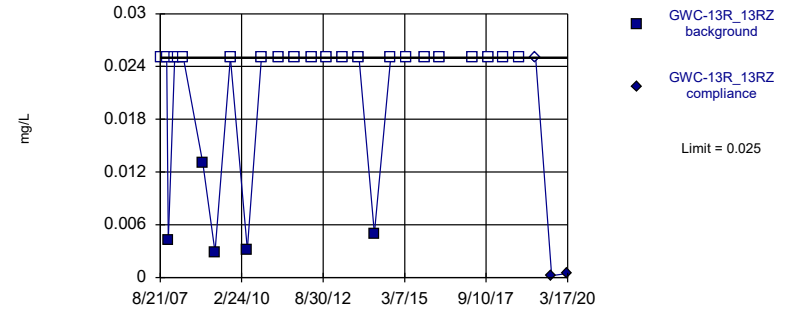


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.064 (O)	
4/23/2009	0.034	
10/6/2009	0.026	
5/3/2010	0.014	
10/11/2010	0.014	
4/27/2011	0.028	
10/19/2011	<0.013	
5/1/2012	0.0198	
10/2/2012	0.011	
4/10/2013	0.018	
10/16/2013	0.016	
4/22/2014	0.014	
10/1/2014	0.0041 (J)	
3/30/2015	0.012	
10/11/2015	0.0049 (J)	
3/28/2016	0.00734 (J)	
8/1/2016	0.0049 (J)	
4/3/2017	0.0023 (J)	
10/2/2017	0.0023 (J)	
3/16/2018	0.0035 (J)	
9/18/2018	0.0041 (J)	
3/19/2019		0.0029 (J)
9/12/2019		0.0028 (J)
3/11/2020		0.0035 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.007	
11/1/2007	<0.025	
11/20/2007	0.0032	
1/30/2008	0.0039	
3/6/2008	<0.025	
5/8/2008	0.0039	
12/14/2008	0.0046	
4/29/2009	<0.025	
10/21/2009	<0.025	
4/21/2010	<0.025	
9/28/2010	<0.025	
4/12/2011	<0.025	
10/4/2011	<0.025	
4/3/2012	<0.025	
10/8/2012	<0.025	
4/3/2013	<0.025	
10/15/2013	<0.025	
4/9/2014	<0.025	
10/2/2014	<0.025	
4/2/2015	<0.025	
10/12/2015	<0.025	
3/31/2016	<0.025	
8/3/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/22/2019		<0.025
9/17/2019		0.00029 (J)
3/12/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	0.0032	
11/1/2007	0.0031	
11/18/2007	<0.025	
1/30/2008	<0.025	
3/6/2008	<0.025	
5/7/2008	0.0029	
12/14/2008	<0.025	
4/29/2009	<0.025	
10/22/2009	<0.025	
4/21/2010	<0.025	
9/29/2010	<0.025	
4/13/2011	<0.025	
10/4/2011	<0.025	
4/4/2012	<0.025	
10/3/2012	<0.025	
4/3/2013	<0.025	
10/9/2013	<0.025	
4/2/2014	0.005 (J)	
10/2/2014	0.0022 (J)	
4/1/2015	0.019	
10/11/2015	0.013	
4/4/2016	<0.025	
8/4/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/22/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025
9/17/2019		0.00031 (J)
3/12/2020		0.00032 (J)

Prediction Limit

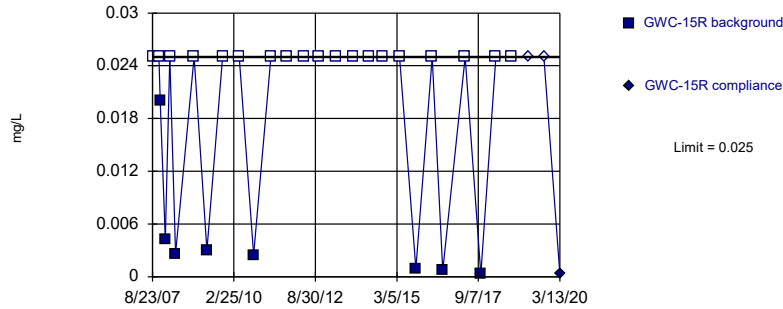
Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.025	
11/1/2007	<0.025	
11/19/2007	0.0043	
1/31/2008	<0.025	
3/5/2008	<0.025	
5/7/2008	<0.025	
12/12/2008	0.013	
4/29/2009	0.0029	
10/21/2009	<0.025	
4/28/2010	0.0032	
10/6/2010	<0.025	
4/20/2011	<0.025	
10/12/2011	<0.025	
4/25/2012	<0.025	
10/2/2012	<0.025	
4/2/2013	<0.025	
10/8/2013	<0.025	
4/1/2014	0.005 (J)	
10/1/2014	<0.025	
3/31/2015	<0.025	
10/14/2015	<0.025	
4/4/2016	<0.025	
4/11/2017	<0.025	
10/6/2017	<0.025	
3/23/2018	<0.025	
9/20/2018	<0.025	
3/22/2019		<0.025
9/18/2019		0.00021 (X)
3/17/2020		0.00045 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

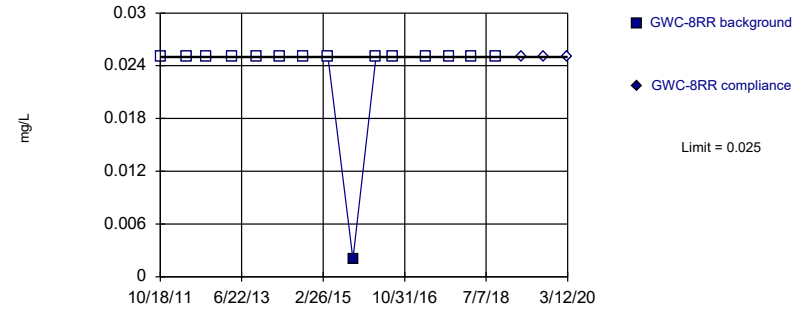


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

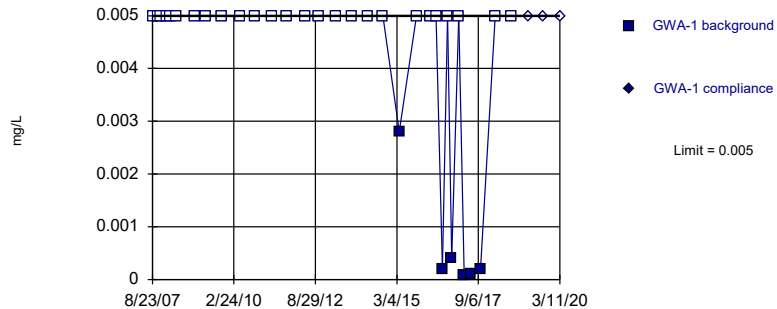


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

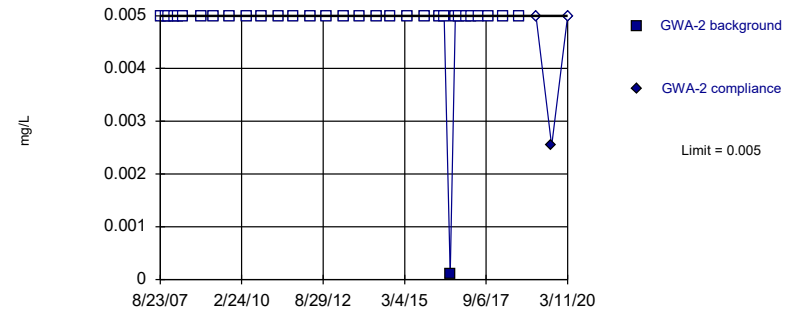


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.025	
11/2/2007	<0.025	
11/17/2007	0.02	
1/15/2008	0.0043	
3/6/2008	<0.025	
5/7/2008	0.0026	
12/2/2008	<0.025	
4/28/2009	0.003	
10/19/2009	<0.025	
4/27/2010	<0.025	
10/4/2010	0.0025	
4/18/2011	<0.025	
10/12/2011	<0.025	
4/23/2012	<0.025	
10/10/2012	<0.025	
4/15/2013	<0.025	
10/22/2013	<0.025	
4/21/2014	<0.025	
9/30/2014	<0.025	
4/3/2015	<0.025	
10/7/2015	0.00093 (J)	
4/5/2016	<0.025	
8/4/2016	0.0007 (J)	
4/12/2017	<0.025	
10/6/2017	0.0003 (J)	
3/23/2018	<0.025	
9/19/2018	<0.025	
3/25/2019		<0.025
9/17/2019		<0.025
3/13/2020		0.00029 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.025	
4/30/2012	<0.025	
10/3/2012	<0.025	
4/8/2013	<0.025	
10/9/2013	<0.025	
4/10/2014	<0.025	
10/2/2014	<0.025	
4/3/2015	<0.025	
10/8/2015	0.002 (J)	
3/30/2016	<0.025	
8/2/2016	<0.025	
4/6/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/27/2019		<0.025
9/16/2019		<0.025 (D)
3/12/2020		<0.025

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0028 (J)	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0002 (J)	
9/23/2016	<0.005	
11/9/2016	0.0004 (J)	
1/30/2017	<0.005	
3/30/2017	8E-05 (J)	
6/9/2017	0.0001 (J)	
10/2/2017	0.0002 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019		<0.005
9/12/2019		<0.005
3/11/2020		<0.005

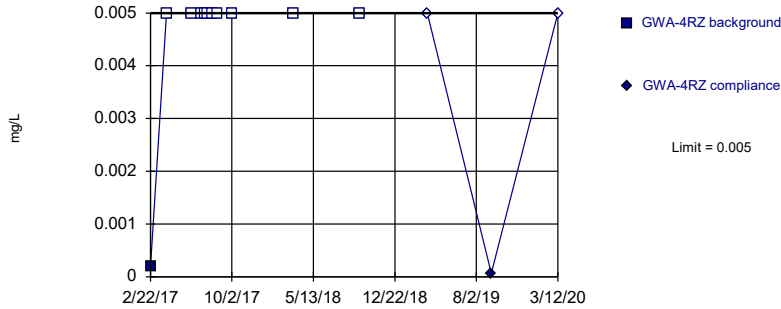
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	0.0001 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019		<0.005
9/12/2019		0.002536 (D)
3/11/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

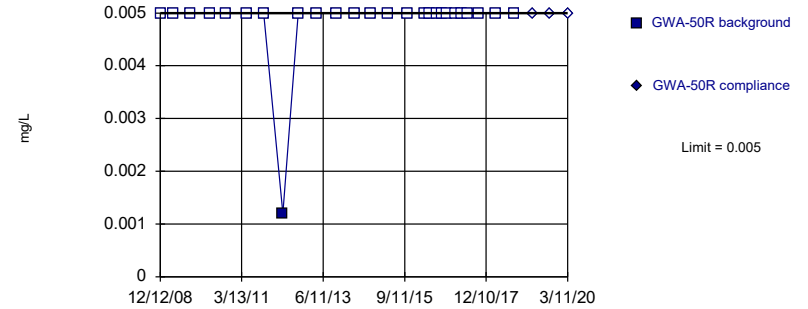


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Lead Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

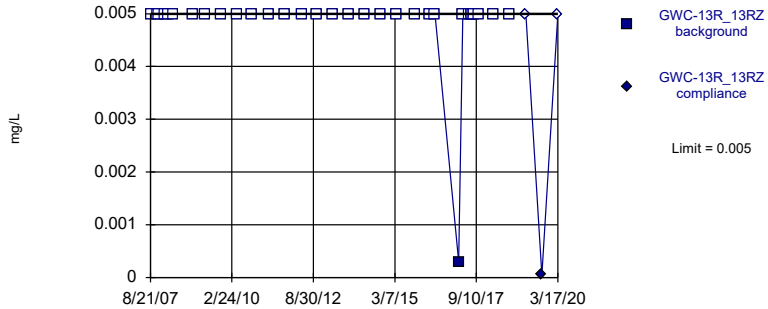


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

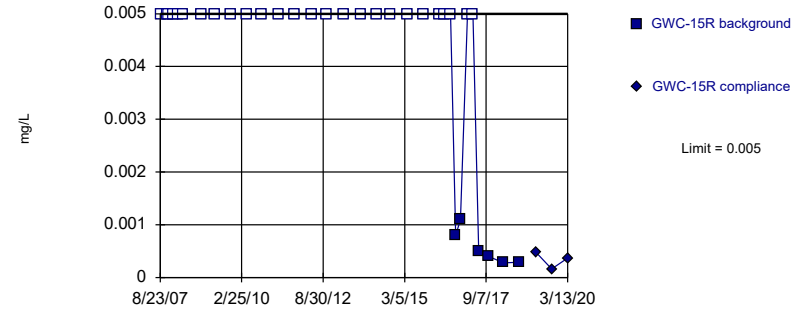


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0002 (J)	
4/7/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
7/20/2017	<0.005	
7/28/2017	<0.005	
8/9/2017	<0.005	
8/24/2017	<0.005	
10/3/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019		<0.005
9/12/2019		6.5E-05 (J)
3/12/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
5/3/2010	<0.005	
10/11/2010	<0.005	
4/27/2011	<0.005	
10/19/2011	<0.005	
5/1/2012	0.0012	
10/2/2012	<0.005	
4/10/2013	<0.005	
10/16/2013	<0.005	
4/22/2014	<0.005	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019		<0.005
9/12/2019		<0.005
3/11/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	0.0003 (J)	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019		<0.005
9/18/2019		4.8E-05 (X)
3/17/2020		<0.005

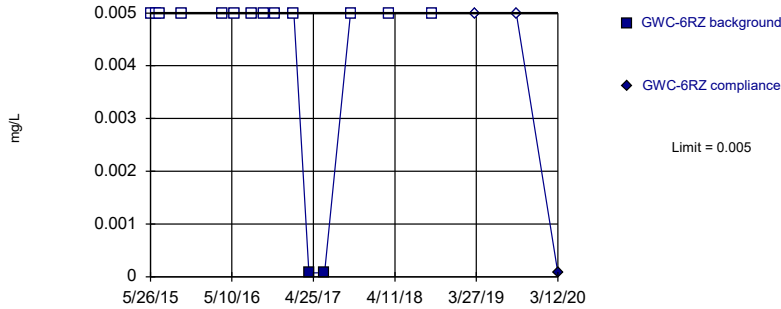
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	0.0008 (J)	
11/23/2016	0.0011 (J)	
2/10/2017	<0.005	
4/12/2017	<0.005	
6/15/2017	0.0005 (J)	
10/6/2017	0.0004 (J)	
3/23/2018	0.00028 (J)	
9/19/2018	0.00029 (J)	
3/25/2019		0.00047 (J)
9/17/2019		0.00016 (J)
3/13/2020		0.00037 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

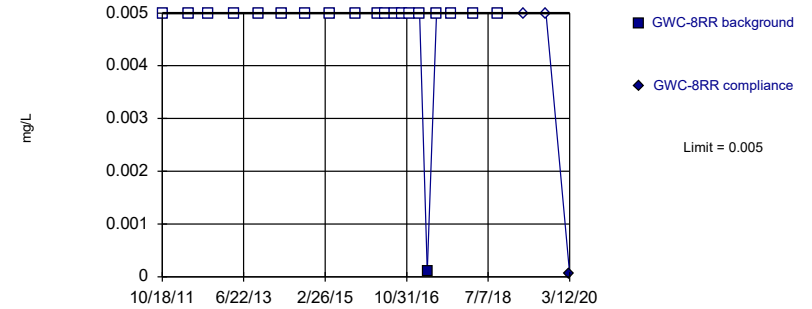


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

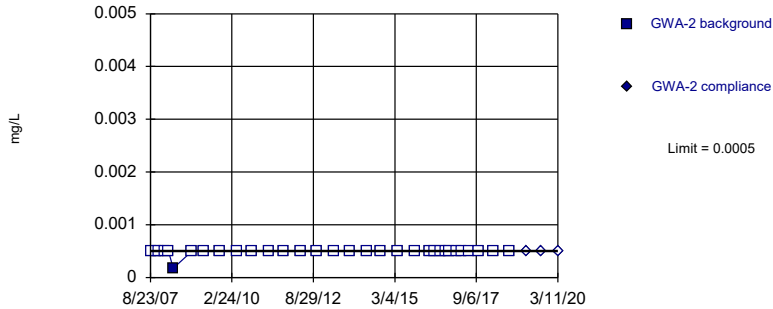


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

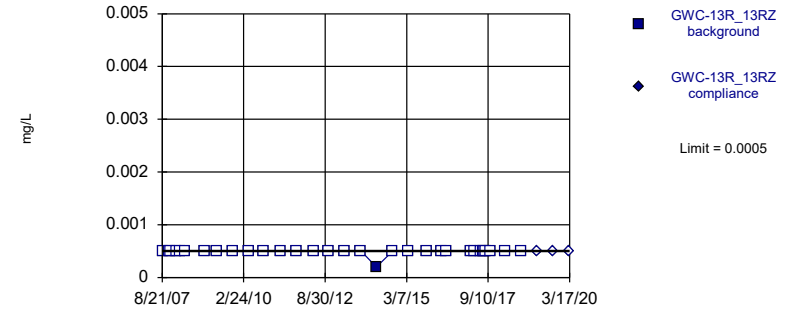


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	7E-05 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019		<0.005
9/16/2019		<0.005
3/12/2020		7E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	<0.005	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	0.0001 (J)	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019		<0.005
9/16/2019		<0.005 (D)
3/12/2020		5.6E-05 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.0005	
10/24/2007	<0.0005	
11/18/2007	<0.0005	
1/31/2008	<0.0005	
3/11/2008	<0.0005	
5/6/2008	0.000175	
12/4/2008	<0.0005	
4/21/2009	<0.0005	
10/7/2009	<0.0005	
4/26/2010	<0.0005	
10/4/2010	<0.0005	
4/13/2011	<0.0005	
10/5/2011	<0.0005	
4/11/2012	<0.0005	
10/9/2012	<0.0005	
4/15/2013	<0.0005	
10/15/2013	<0.0005	
4/22/2014	<0.0005	
9/30/2014	<0.0005	
3/30/2015	<0.0005	
10/13/2015	<0.0005	
3/23/2016	<0.0005	
5/20/2016	<0.0005	
7/29/2016	<0.0005	
9/23/2016	<0.0005	
11/9/2016	<0.0005	
1/31/2017	<0.0005	
3/30/2017	<0.0005	
6/12/2017	<0.0005	
10/2/2017	<0.0005	
3/19/2018	<0.0005	
9/14/2018	<0.0005	
3/20/2019		<0.0005
9/12/2019		<0.0005 (D)
3/11/2020		<0.0005

Prediction Limit

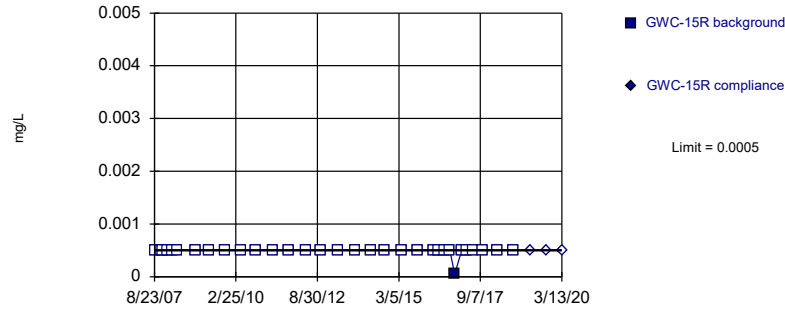
Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/19/2007	<0.0005	
1/31/2008	<0.0005	
3/5/2008	<0.0005	
5/7/2008	<0.0005	
12/12/2008	<0.0005	
4/29/2009	<0.0005	
10/21/2009	<0.0005	
4/28/2010	<0.0005	
10/6/2010	<0.0005	
4/20/2011	<0.0005	
10/12/2011	<0.0005	
4/25/2012	<0.0005	
10/2/2012	<0.0005	
4/2/2013	<0.0005	
10/8/2013	<0.0005	
4/1/2014	0.0002 (J)	
10/1/2014	<0.0005	
3/31/2015	<0.0005	
10/14/2015	<0.0005	
4/4/2016	<0.0005	
6/1/2016	<0.0005	
2/22/2017	<0.0005	
4/11/2017	<0.0005	
6/16/2017	<0.0005	
7/12/2017	<0.0005	
7/28/2017	<0.0005	
8/10/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/20/2018	<0.0005	
3/22/2019		<0.0005
9/18/2019		<0.0005
3/17/2020		<0.0005

Within Limit

Prediction Limit
Intrawell Non-parametric

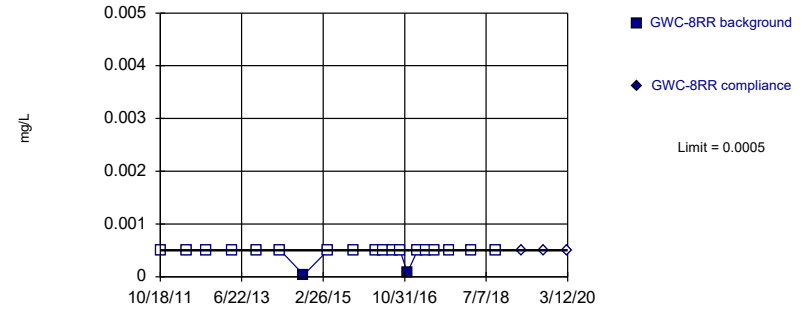


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

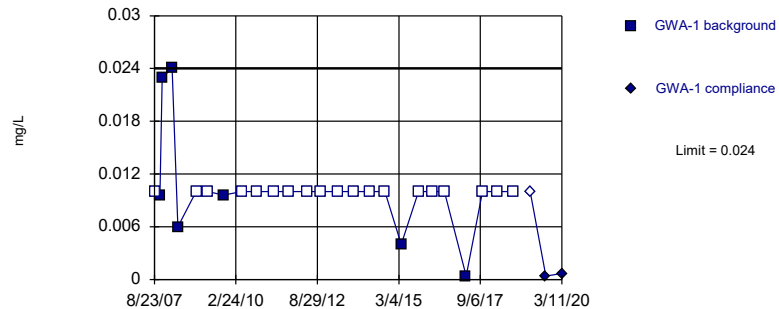


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

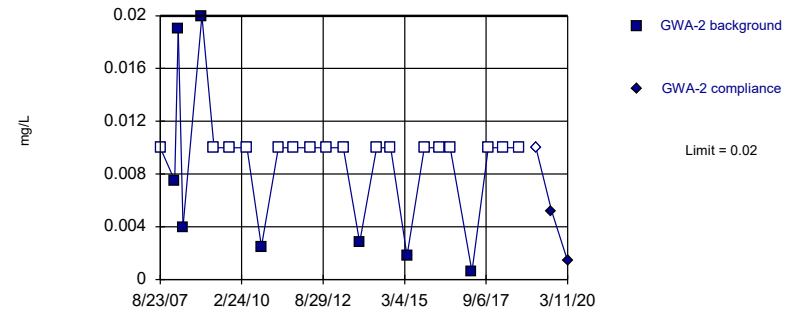


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.0005	
11/2/2007	<0.0005	
11/17/2007	<0.0005	
1/15/2008	<0.0005	
3/6/2008	<0.0005	
5/7/2008	<0.0005	
12/2/2008	<0.0005	
4/28/2009	<0.0005	
10/19/2009	<0.0005	
4/27/2010	<0.0005	
10/4/2010	<0.0005	
4/18/2011	<0.0005	
10/12/2011	<0.0005	
4/23/2012	<0.0005	
10/10/2012	<0.0005	
4/15/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/7/2015	<0.0005	
4/5/2016	<0.0005	
5/31/2016	<0.0005	
8/4/2016	<0.0005	
9/29/2016	<0.0005	
11/23/2016	5E-05 (J)	
2/10/2017	<0.0005	
4/12/2017	<0.0005	
6/15/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/25/2019		<0.0005
9/17/2019		<0.0005
3/13/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.0005	
4/30/2012	<0.0005	
10/3/2012	<0.0005	
4/8/2013	<0.0005	
10/9/2013	<0.0005	
4/10/2014	<0.0005	
10/2/2014	3.83E-05 (J)	
4/3/2015	<0.0005	
10/8/2015	<0.0005	
3/30/2016	<0.0005	
5/24/2016	<0.0005	
8/2/2016	<0.0005	
9/27/2016	<0.0005	
11/22/2016	8E-05 (J)	
2/6/2017	<0.0005	
4/6/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/27/2019		<0.0005
9/16/2019		<0.0005 (D)
3/12/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	0.0096	
11/18/2007	0.023	
1/30/2008	0.11 (o)	
3/10/2008	0.024	
5/13/2008	0.006	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0096	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.004	
10/13/2015	<0.01	
3/22/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	0.0004 (J)	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01
9/12/2019		0.00038 (J)
3/11/2020		0.00068 (J)

Prediction Limit

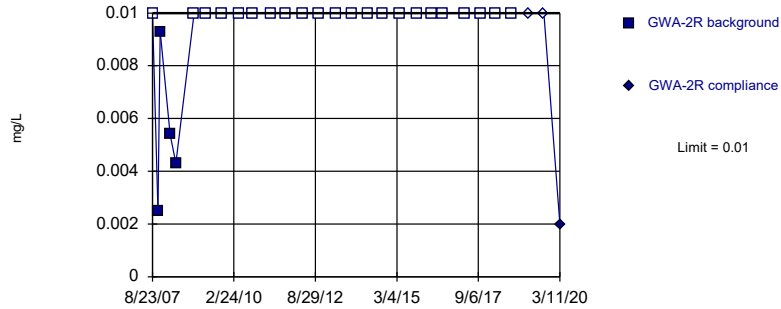
Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	0.026 (o)	
11/18/2007	0.043 (o)	
1/31/2008	0.0075	
3/11/2008	0.019	
5/6/2008	0.004	
12/4/2008	0.02	
4/21/2009	<0.01	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	0.0025	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	0.0028	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0018 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	0.0006 (J)	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		0.00518 (D)
3/11/2020		0.0014 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

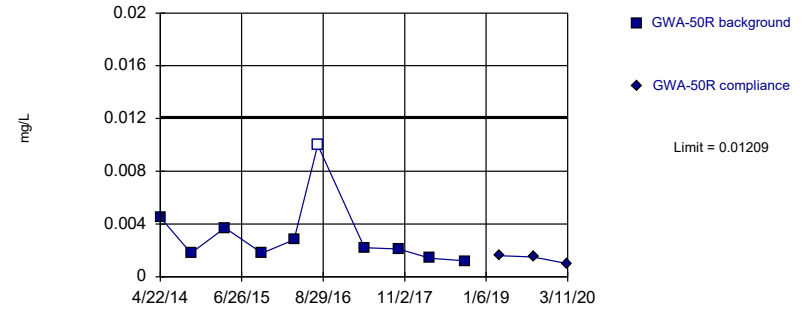


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

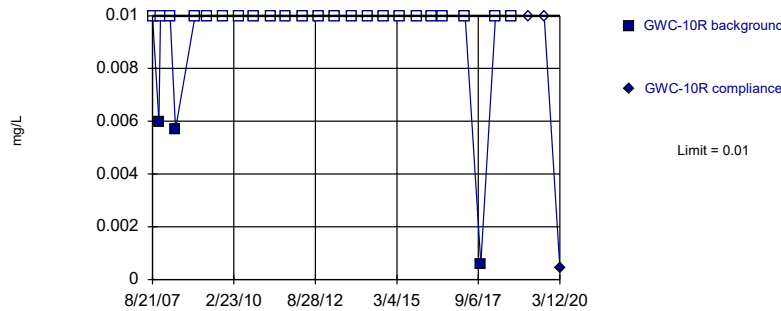


Background Data Summary (based on square root transformation): Mean=0.05305, Std. Dev.=0.01932, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8214, critical = 0.781. Kappa = 2.945 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

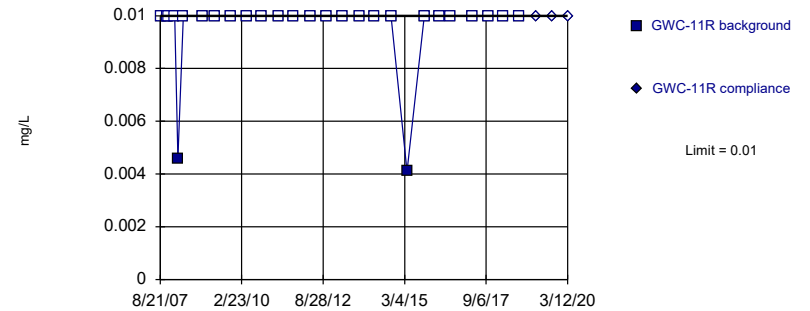


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	0.0025	
11/18/2007	0.0093	
1/31/2008	0.054 (o)	
3/10/2008	0.0054	
5/13/2008	0.0043	
12/4/2008	<0.01	
4/21/2009	<0.01	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01
9/13/2019		<0.01
3/11/2020		0.002 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.0096	
4/23/2009	0.015	
10/6/2009	0.008	
5/3/2010	0.0053	
10/11/2010	0.0061	
4/27/2011	0.0087	
10/19/2011	0.0039	
5/1/2012	0.0054	
10/2/2012	0.0044	
4/10/2013	0.0053	
10/16/2013	0.0047	
4/22/2014	0.0045	
10/1/2014	0.0018 (J)	
3/30/2015	0.0037	
10/11/2015	0.0018 (J)	
3/28/2016	0.0028 (J)	
8/1/2016	<0.01	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0014 (J)	
9/18/2018	0.0012 (J)	
3/19/2019		0.0016 (J)
9/12/2019		0.0015 (J)
3/11/2020		0.001 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.01	
11/1/2007	0.006	
11/20/2007	<0.01	
1/30/2008	0.029 (O)	
3/6/2008	<0.01	
5/8/2008	0.0057	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/21/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/8/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/12/2015	<0.01	
3/31/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0006 (J)	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/12/2020		0.00043 (J)

Prediction Limit

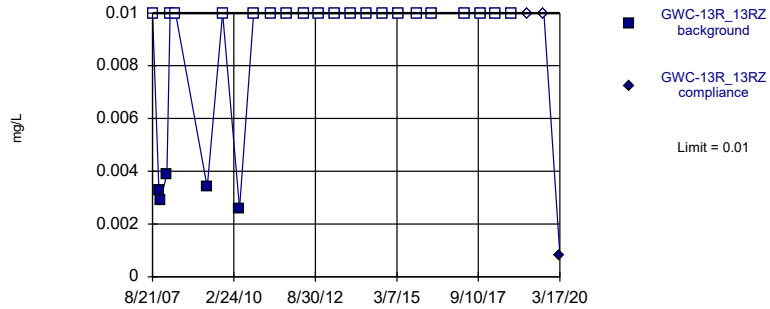
Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0046	
5/7/2008	<0.01	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	0.0041	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

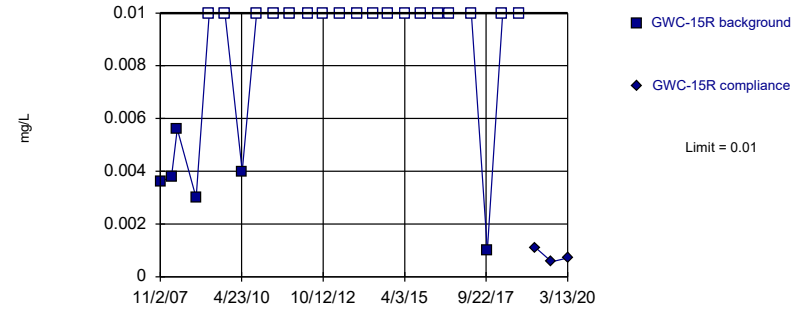


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

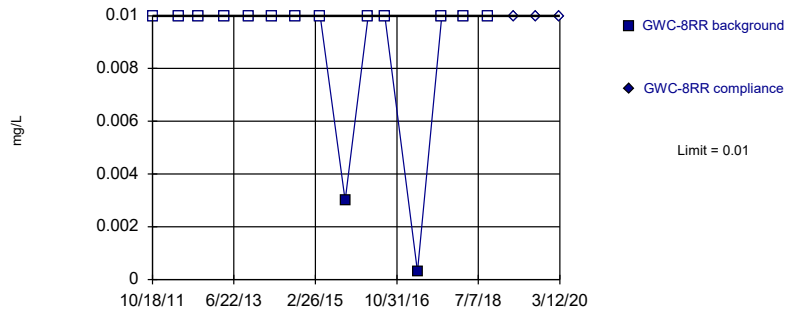


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

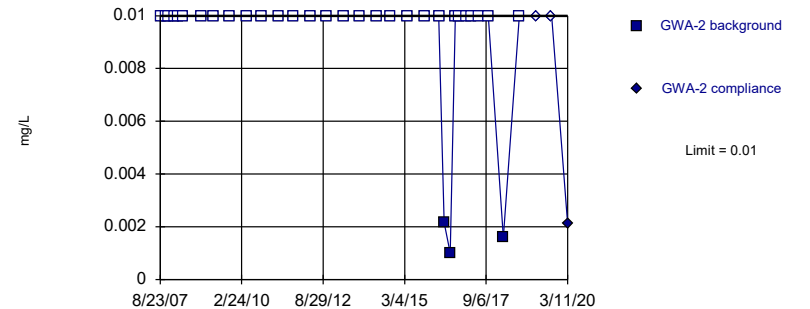


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.01	
11/1/2007	0.0033	
11/19/2007	0.0029	
1/31/2008	0.0039	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	0.022 (O)	
4/29/2009	0.0034	
10/21/2009	<0.01	
4/28/2010	0.0026	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		0.00082 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.0089 (O)	
11/2/2007	0.0036	
11/17/2007	0.014 (O)	
1/15/2008	0.0096 (O)	
3/6/2008	0.0038	
5/7/2008	0.0056	
12/2/2008	0.003	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	0.004	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	0.001 (J)	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		0.0011 (J)
9/17/2019		0.00057 (J)
3/13/2020		0.00072 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	<0.01	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.003	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	0.0003 (J)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01
9/16/2019		<0.01 (D)
3/12/2020		<0.01

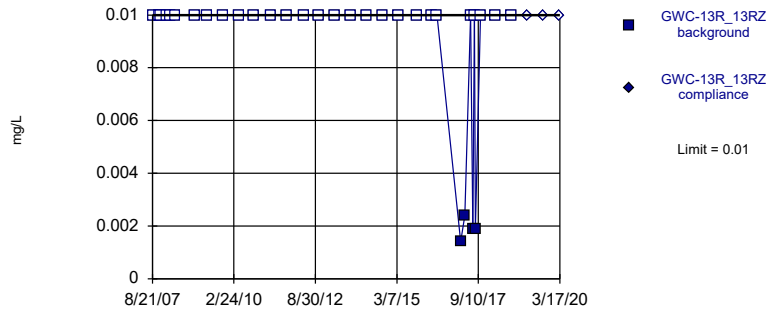
Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	<0.01	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/6/2008	<0.01	
12/4/2008	<0.01	
4/21/2009	<0.01	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/20/2016	0.00216 (J)	
7/29/2016	0.001 (J)	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	0.0016 (J)	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		<0.01 (D)
3/11/2020		0.0021 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

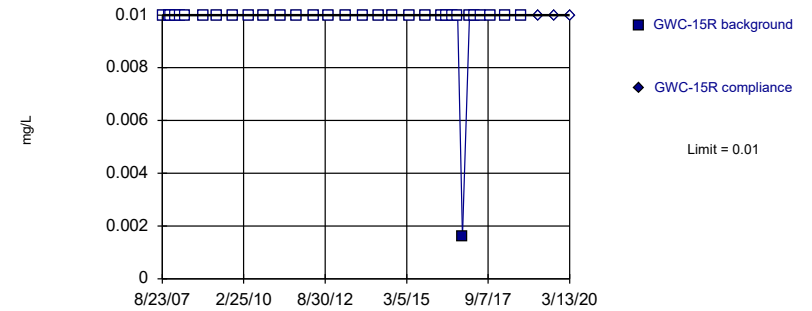


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

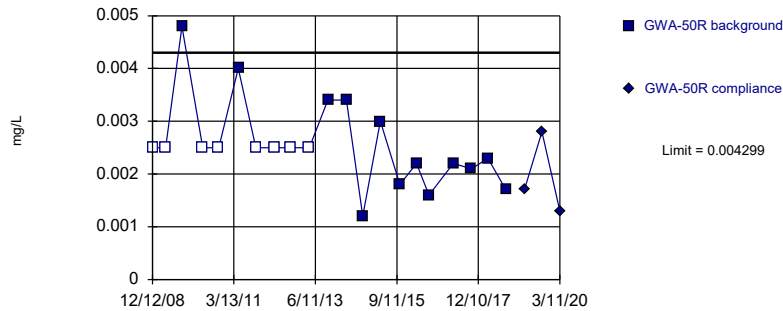


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

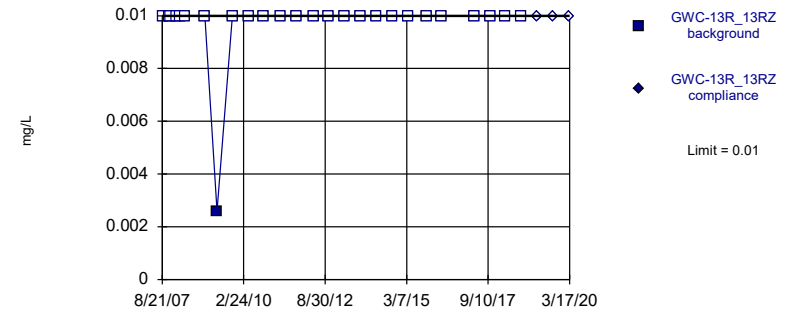


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002202, Std. Dev.=0.0008907, n=21, 38.1% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8968, critical = 0.873. Kappa = 2.354 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Silver Analysis Run 4/14/2020 10:01 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Silver Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	<0.01	
4/29/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
6/1/2016	<0.01	
2/22/2017	0.0014 (J)	
4/11/2017	0.0024 (J)	
6/16/2017	<0.01	
7/12/2017	0.0019 (J)	
7/28/2017	<0.01	
8/10/2017	0.0019 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/23/2016	0.0016 (J)	
2/10/2017	<0.01	
4/12/2017	<0.01	
6/15/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.0025	
4/23/2009	<0.0025	
10/6/2009	0.0048	
5/3/2010	<0.0025	
10/11/2010	<0.0025	
4/27/2011	0.004	
10/19/2011	<0.0025	
5/1/2012	<0.0025	
10/2/2012	<0.0025	
4/10/2013	<0.0025	
10/16/2013	0.0034	
4/22/2014	0.0034	
10/1/2014	0.0012 (J)	
3/30/2015	0.003	
10/11/2015	0.0018 (J)	
3/28/2016	0.0022 (J)	
8/1/2016	0.0016 (J)	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0023 (J)	
9/18/2018	0.0017 (J)	
3/19/2019		0.0017 (J)
9/12/2019		0.0028 (J)
3/11/2020		0.0013 (J)

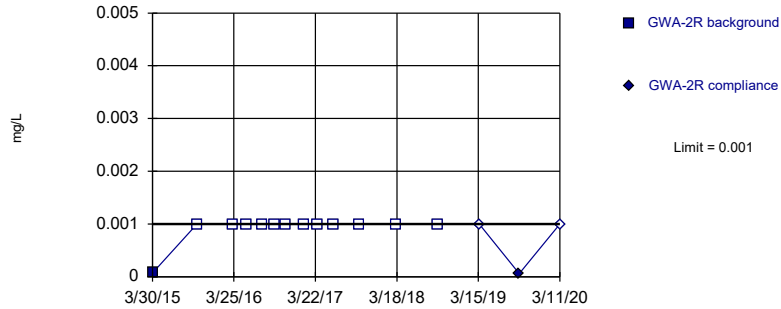
Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	<0.01	
4/29/2009	0.0026	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

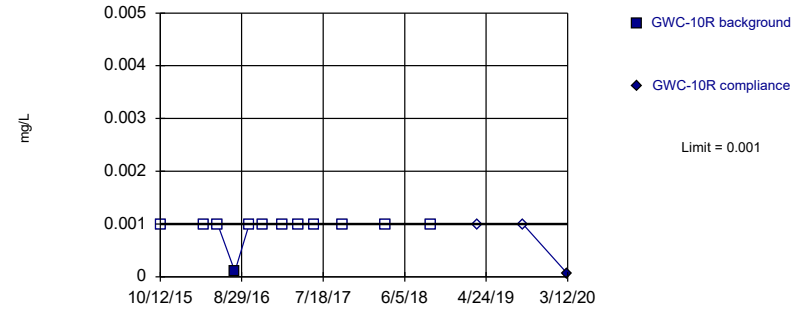


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Thallium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

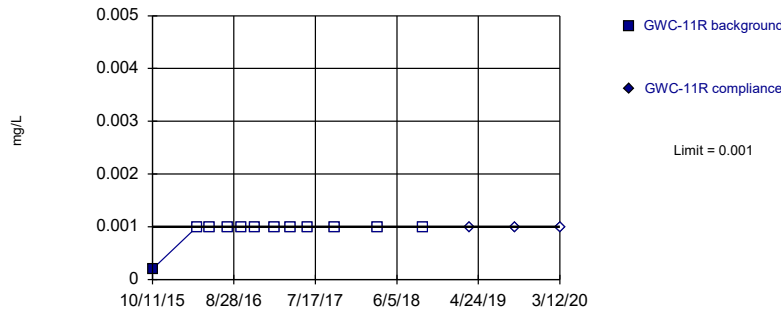


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

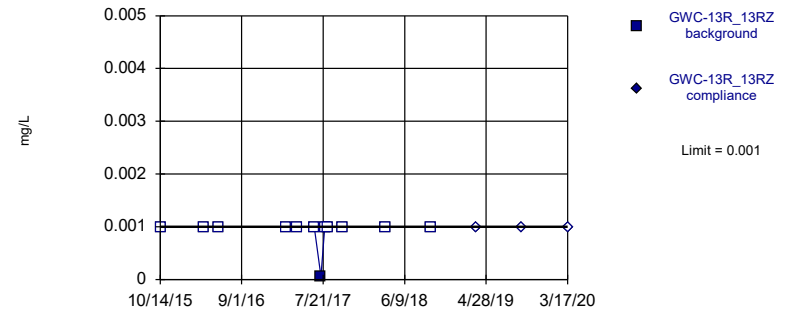


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/30/2015	7E-05	
10/13/2015	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/19/2019		<0.001
9/13/2019		6.2E-05 (J)
3/11/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
10/12/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	0.0001 (J)	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019		<0.001
9/17/2019		<0.001
3/12/2020		5.4E-05 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
10/11/2015	0.0002	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001
9/17/2019		<0.001
3/12/2020		<0.001

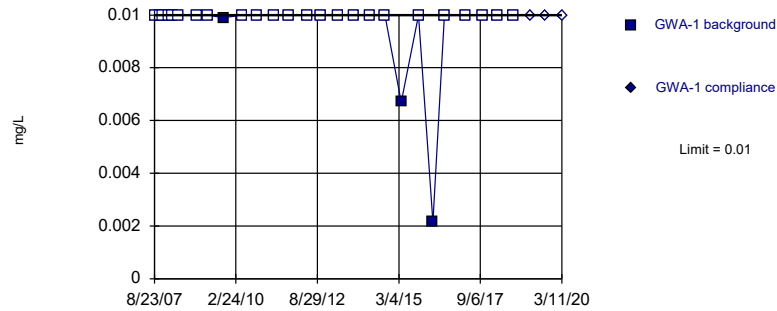
Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
10/14/2015	<0.001	
4/4/2016	<0.001	
6/1/2016	<0.001	
2/22/2017	<0.001	
4/11/2017	<0.001	
6/16/2017	<0.001	
7/12/2017	6E-05 (J)	
7/28/2017	<0.001	
8/10/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/20/2018	<0.001	
3/22/2019		<0.001
9/18/2019		<0.001
3/17/2020		<0.001

Within Limit

Prediction Limit
Intrawell Non-parametric

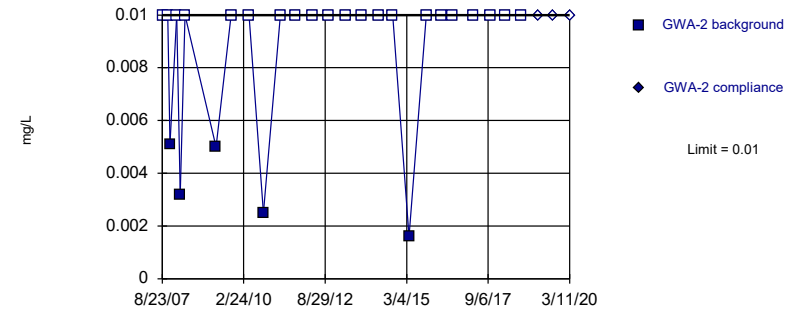


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

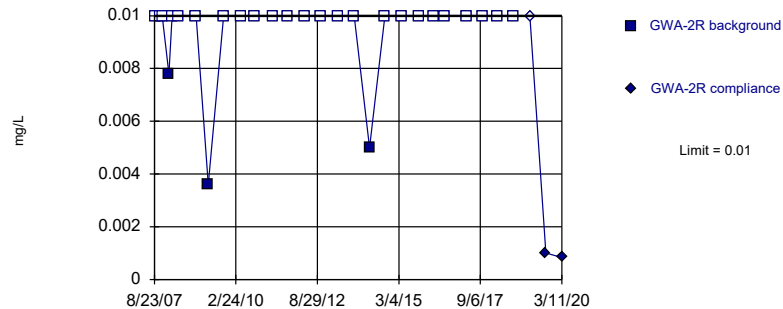


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

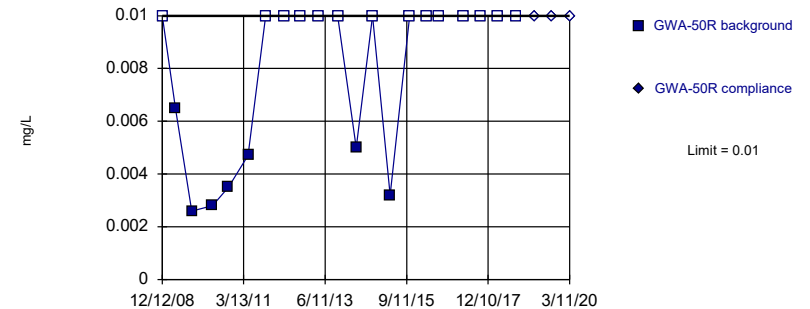


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0099	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0067	
10/13/2015	<0.01	
3/22/2016	0.00214 (J)	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01
9/12/2019		<0.01
3/11/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	0.0051	
1/31/2008	<0.01	
3/11/2008	0.0032	
5/6/2008	<0.01	
12/4/2008	0.016 (o)	
4/21/2009	0.005	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	0.0025	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0016 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		<0.01 (D)
3/11/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	<0.01	
1/31/2008	0.0078	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/4/2008	<0.01	
4/21/2009	0.0036	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	0.005 (J)	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01
9/13/2019		0.001 (J)
3/11/2020		0.00084 (J)

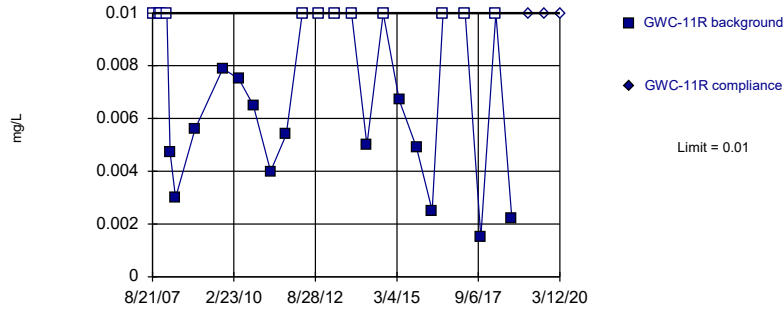
Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0065	
10/6/2009	0.0026	
5/3/2010	0.0028	
10/11/2010	0.0035	
4/27/2011	0.0047	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	<0.01	
4/10/2013	<0.01	
10/16/2013	<0.01	
4/22/2014	0.005 (J)	
10/1/2014	<0.01	
3/30/2015	0.0032 (J)	
10/11/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01
9/12/2019		<0.01
3/11/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

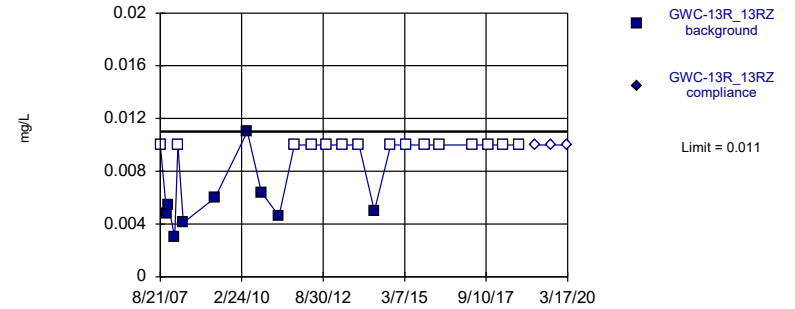


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

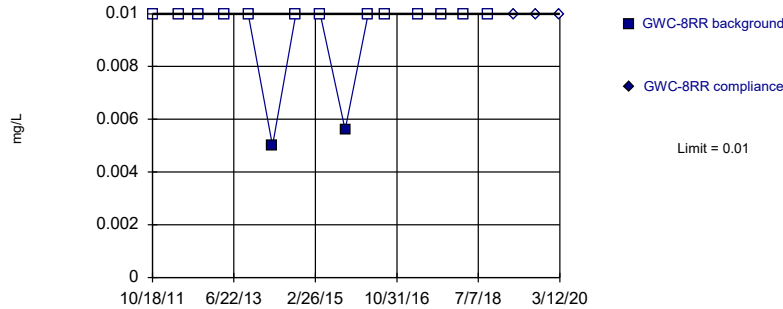


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

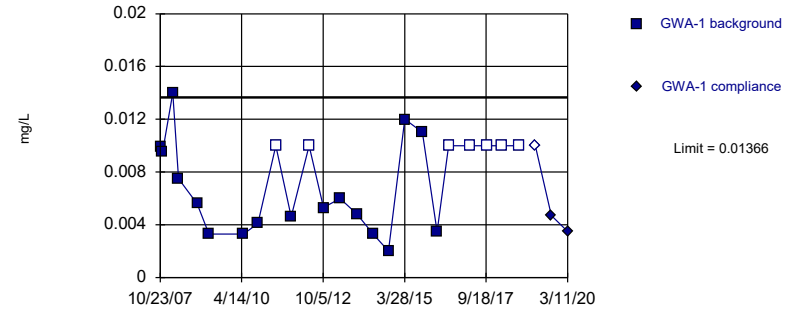


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005745, Std. Dev.=0.003444, n=24, 29.17% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.904, critical = 0.884. Kappa = 2.299 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0047	
5/7/2008	0.003	
12/14/2008	0.0056	
4/29/2009	0.018 (o)	
10/22/2009	0.0079	
4/21/2010	0.0075	
9/29/2010	0.0065	
4/13/2011	0.004	
10/4/2011	0.0054	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.005 (J)	
10/2/2014	<0.01	
4/1/2015	0.0067	
10/11/2015	0.0049 (J)	
4/4/2016	0.00251 (J)	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0015 (J)	
3/22/2018	<0.01	
9/18/2018	0.0022 (J)	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.01	
11/1/2007	0.0048	
11/19/2007	0.0054	
1/31/2008	0.003	
3/5/2008	<0.01	
5/7/2008	0.0041	
12/12/2008	0.023 (o)	
4/29/2009	0.006	
10/21/2009	0.022 (o)	
4/28/2010	0.011	
10/6/2010	0.0064	
4/20/2011	0.0046	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	0.005 (J)	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.0056	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01
9/16/2019		<0.01 (D)
3/12/2020		<0.01

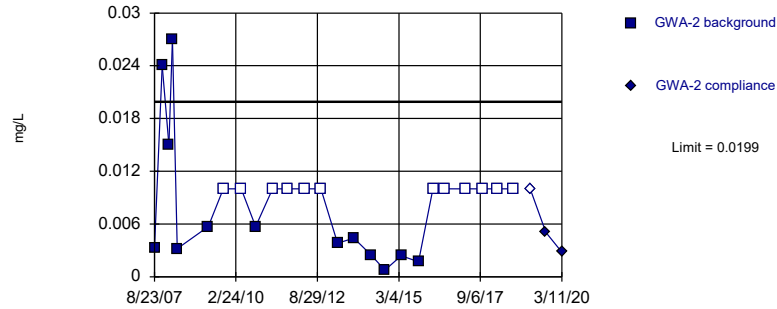
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.032 (o)	
10/23/2007	0.0099	
11/18/2007	0.0095 (J)	
1/30/2008	0.022 (o)	
3/10/2008	0.014	
5/13/2008	0.0075	
12/5/2008	0.0056 (J)	
4/15/2009	0.0033	
10/7/2009	0.061 (o)	
5/3/2010	0.0033	
10/12/2010	0.0041	
4/27/2011	<0.01	
10/17/2011	0.0046	
5/2/2012	<0.01	
10/8/2012	0.0053	
4/12/2013	0.006	
10/16/2013	0.0048	
4/11/2014	0.0033	
9/30/2014	0.002 (J)	
3/30/2015	0.012	
10/13/2015	0.011	
3/22/2016	0.00346 (J)	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01
9/12/2019		0.0047 (J)
3/11/2020		0.0035 (J)

Within Limit

Prediction Limit
Intrawell Parametric

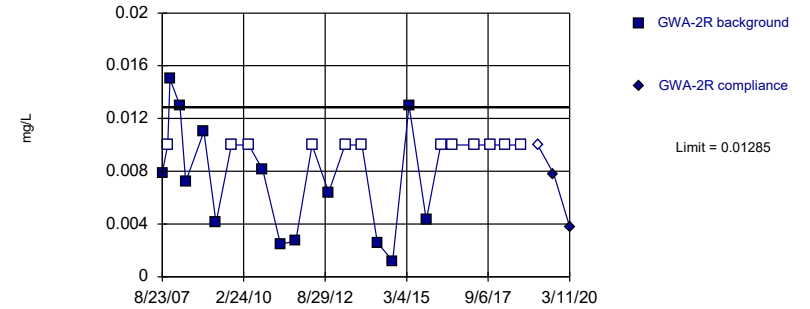


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06488, Std. Dev.=0.03341, n=25, 48% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9039, critical = 0.888. Kappa = 2.281 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

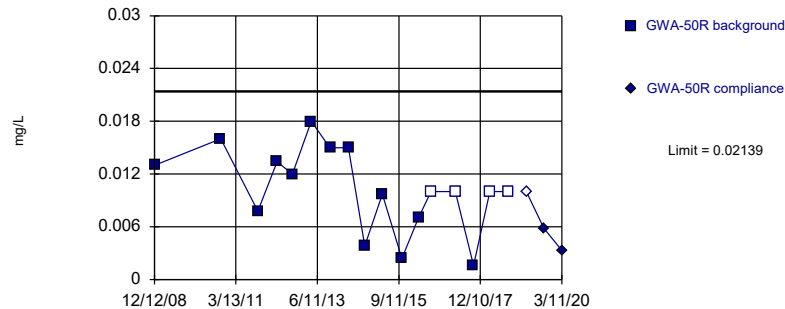


Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.00004454, Std. Dev.=0.00005316, n=26, 46.15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8915, critical = 0.891. Kappa = 2.269 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

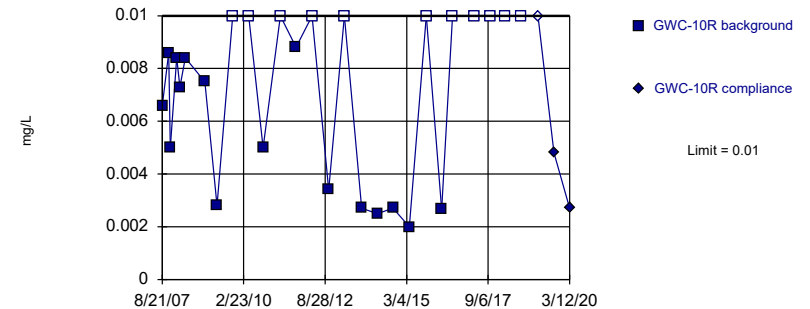


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.008728, Std. Dev.=0.005133, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9563, critical = 0.851. Kappa = 2.466 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 40.74% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	0.0033 (o)	
11/18/2007	0.024	
1/30/2008	0.022 (o)	
1/31/2008	0.015	
3/11/2008	0.027	
5/6/2008	0.0032	
4/21/2009	0.0057	
10/7/2009	0.01 (o)	
4/26/2010	<0.01	
10/4/2010	0.0057	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	0.0038	
10/15/2013	0.0044	
4/22/2014	0.0025 (J)	
9/30/2014	0.00076 (J)	
3/30/2015	0.0024 (J)	
10/13/2015	0.0017 (J)	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		0.00505 (JD)
3/11/2020		0.0028 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0079 (o)	
10/24/2007	<0.01	
11/18/2007	0.015	
1/30/2008	0.022 (o)	
3/10/2008	0.013 (J)	
5/13/2008	0.0072	
12/4/2008	0.011 (J)	
4/21/2009	0.0041	
10/7/2009	0.061 (o)	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	0.0081	
4/12/2011	0.0025	
10/4/2011	0.0027	
4/3/2012	<0.01	
10/9/2012	0.0064	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	0.0026	
9/30/2014	0.0012 (J)	
3/30/2015	0.013	
10/13/2015	0.0043	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01
9/13/2019		0.0078 (J)
3/11/2020		0.0038 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
8/23/2007	0.032 (o)	
1/30/2008	0.022 (o)	
12/12/2008	0.013 (J)	
10/7/2009	0.061 (o)	
10/11/2010	0.016	
10/19/2011	0.0078	
5/1/2012	0.0134	
10/2/2012	0.012	
4/10/2013	0.018	
10/16/2013	0.015	
4/22/2014	0.015	
10/1/2014	0.0038	
3/30/2015	0.0097	
10/11/2015	0.0024 (J)	
3/28/2016	0.00703 (J)	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	0.0016 (J)	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01
9/12/2019		0.0058 (J)
3/11/2020		0.0033 (J)

Prediction Limit

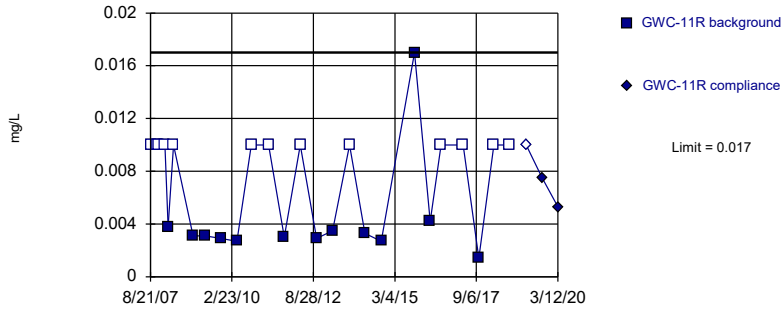
Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.0066	
11/1/2007	0.0086	
11/20/2007	0.005	
1/30/2008	0.0084	
3/6/2008	0.0073	
5/8/2008	0.0084	
12/14/2008	0.0075 (J)	
4/29/2009	0.0028	
10/21/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	0.005	
4/12/2011	<0.01	
10/4/2011	0.0088	
4/3/2012	<0.01	
10/8/2012	0.0034	
4/3/2013	<0.01	
10/15/2013	0.0027	
4/9/2014	0.0025 (J)	
10/2/2014	0.0027 (V)	
4/2/2015	0.002 (J)	
10/12/2015	<0.01	
3/31/2016	0.00266 (J)	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.0048 (J)
3/12/2020		0.0027 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

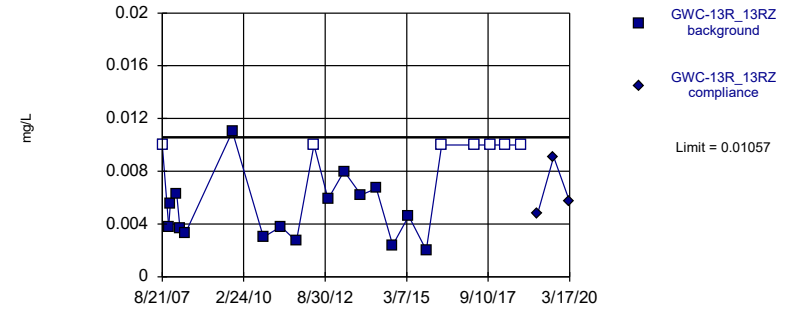


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

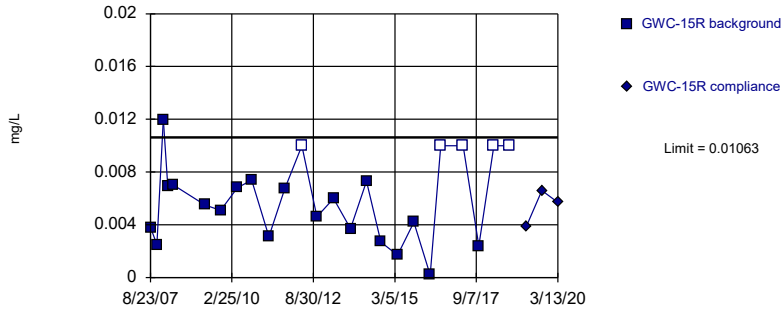


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06716, Std. Dev.=0.0154, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8961, critical = 0.881. Kappa = 2.317 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

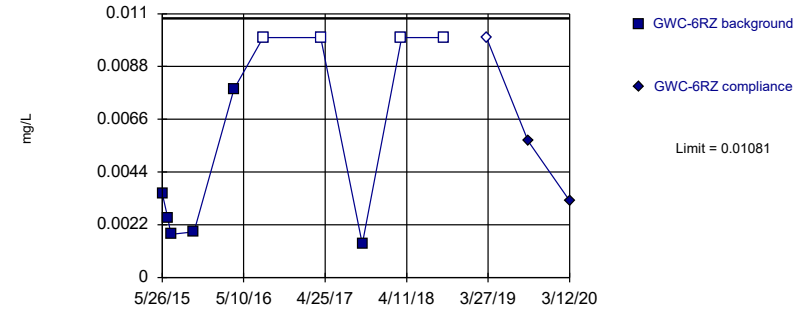


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004906, Std. Dev.=0.002508, n=25, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.888. Kappa = 2.281 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05354, Std. Dev.=0.01713, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7942, critical = 0.781. Kappa = 2.945 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0038	
5/7/2008	<0.01	
12/14/2008	0.0031 (J)	
4/29/2009	0.0031	
10/22/2009	0.0029	
4/21/2010	0.0027	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/4/2011	0.003	
4/4/2012	<0.01	
10/3/2012	0.0029	
4/3/2013	0.0035	
10/9/2013	<0.01	
4/2/2014	0.0033	
10/2/2014	0.0027	
4/1/2015	0.013 (O)	
10/11/2015	0.017	
4/4/2016	0.00419 (J)	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0014 (J)	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		0.0075 (J)
3/12/2020		0.0053 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
8/21/2007	<0.01	
8/23/2007	0.032 (o)	
11/1/2007	0.0038	
11/19/2007	0.0055	
1/30/2008	0.022 (o)	
1/31/2008	0.0063	
3/5/2008	0.0037	
5/7/2008	0.0033	
10/7/2009	0.061 (o)	
10/21/2009	0.011	
10/6/2010	0.003	
4/20/2011	0.0038	
10/12/2011	0.0027	
4/25/2012	<0.01	
10/2/2012	0.0059	
4/2/2013	0.008	
10/8/2013	0.0062	
4/1/2014	0.0067	
10/1/2014	0.0024 (J)	
3/31/2015	0.0046	
10/14/2015	0.002 (J)	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		0.0048 (J)
9/18/2019		0.0091 (X)
3/17/2020		0.0057 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.0038 (o)	
11/2/2007	0.0025	
1/15/2008	0.012	
1/30/2008	0.022 (o)	
3/6/2008	0.0069	
5/7/2008	0.007	
4/28/2009	0.0055	
10/7/2009	0.061 (o)	
10/19/2009	0.0051	
4/27/2010	0.0068	
10/4/2010	0.0074	
4/18/2011	0.0031	
10/12/2011	0.0067	
4/23/2012	<0.01	
10/10/2012	0.0046	
4/15/2013	0.006	
10/22/2013	0.0037	
4/21/2014	0.0073	
9/30/2014	0.0027	
4/3/2015	0.0017 (J)	
10/7/2015	0.0042	
4/5/2016	0.000194 (J)	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	0.0024 (J)	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		0.0039 (J)
9/17/2019		0.0066 (J)
3/13/2020		0.0057 (J)

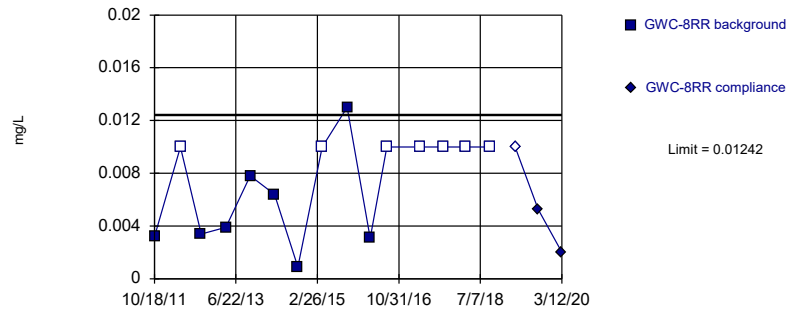
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
8/23/2007	0.032 (o)	
1/30/2008	0.022 (o)	
10/7/2009	0.061 (o)	
5/26/2015	0.0035	
6/18/2015	0.0025 (D)	
7/2/2015	0.0018 (J)	
10/9/2015	0.0019 (J)	
3/29/2016	0.00786 (J)	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	0.0014 (J)	
3/20/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01
9/16/2019		0.0057 (J)
3/12/2020		0.0032 (J)

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004691, Std. Dev.=0.003024, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8633, critical = 0.835. Kappa = 2.555 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 4/14/2020 10:02 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:06 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
8/23/2007	0.032 (o)	
1/30/2008	0.022 (o)	
10/7/2009	0.061 (o)	
10/18/2011	0.0032	
4/30/2012	<0.01	
10/3/2012	0.0034	
4/8/2013	0.0039	
10/9/2013	0.0078	
4/10/2014	0.0064	
10/2/2014	0.0009 (JV)	
4/3/2015	<0.01	
10/8/2015	0.013	
3/30/2016	0.00308 (J)	
8/2/2016	<0.01	
4/6/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01
9/16/2019		0.00525 (JD)
3/12/2020		0.002 (J)

FIGURE E.

Overburden Wells Intrawell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Antimony (mg/L)	GWA-3	0.0068	n/a	3/11/2020	0.0045	No	32	n/a	n/a	n/a	68.75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-50	0.003	n/a	3/11/2020	0.0005	No	26	n/a	n/a	n/a	92.31	n/a	0.0002803	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-11	0.003	n/a	3/12/2020	0.0013	No	32	n/a	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-14_14Z	0.005	n/a	3/13/2020	0.00053	No	32	n/a	n/a	n/a	87.5	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-15_15Z	0.0053	n/a	3/13/2020	0.003ND	No	31	n/a	n/a	n/a	83.87	n/a	0.0001701	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-5	0.003	n/a	3/16/2020	0.00031	No	31	n/a	n/a	n/a	96.77	n/a	0.0001701	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-6	0.0035	n/a	3/12/2020	0.00052	No	32	n/a	n/a	n/a	93.75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-7Z	0.003	n/a	3/12/2020	0.00066	No	11	n/a	n/a	n/a	90.91	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-9	0.003	n/a	3/12/2020	0.003ND	No	32	n/a	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0079	n/a	3/12/2020	0.005ND	No	31	n/a	n/a	n/a	90.32	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	3/12/2020	0.005ND	No	32	n/a	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.012	n/a	3/12/2020	0.0053	No	31	n/a	n/a	n/a	29.03	n/a	0.0001701	NP Intra (normality) 1 of 3
Arsenic (mg/L)	GWC-13	0.0096	n/a	3/13/2020	0.00096	No	32	n/a	n/a	n/a	78.13	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-14_14Z	0.0079	n/a	3/13/2020	0.005ND	No	31	n/a	n/a	n/a	87.1	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15_15Z	0.0077	n/a	3/13/2020	0.00052	No	32	n/a	n/a	n/a	75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5	0.005	n/a	3/16/2020	0.005ND	No	32	n/a	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-6	0.005	n/a	3/12/2020	0.00055	No	31	n/a	n/a	n/a	93.55	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-7Z	0.003663	n/a	3/12/2020	0.00044	No	11	0.002522	0.0005101	18.18	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Arsenic (mg/L)	GWC-8Z	0.005	n/a	3/16/2020	0.005ND	No	15	n/a	n/a	n/a	93.33	n/a	0.001313	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.0086	n/a	3/12/2020	0.005ND	No	31	n/a	n/a	n/a	93.55	n/a	0.0001701	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-3	0.007921	n/a	3/11/2020	0.0041	No	23	0.005815	0.001177	4.348	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWA-50	0.01571	n/a	3/11/2020	0.0077	No	25	0.009848	0.003336	4	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-10	0.02966	n/a	3/12/2020	0.026	No	29	-4.024	0.2943	0	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-11	0.036	n/a	3/12/2020	0.0086	No	31	n/a	n/a	n/a	3.226	n/a	0.0001701	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.07	n/a	3/12/2020	0.023	No	28	n/a	n/a	n/a	0	n/a	0.0002317	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-13	0.04922	n/a	3/13/2020	0.023	No	30	0.02845	0.01216	0	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-14_14Z	0.03815	n/a	3/13/2020	0.017	No	21	0.2446	0.05056	9.524	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-15_15Z	0.01987	n/a	3/13/2020	0.014	No	31	0.0106	0.00545	3.226	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-5	0.02443	n/a	3/16/2020	0.024	No	31	0.01764	0.003992	0	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-6	0.02458	n/a	3/12/2020	0.0075	No	29	0.1134	0.02526	3.448	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-7Z	0.03969	n/a	3/12/2020	0.022	No	11	0.0267	0.005812	0	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-8Z	0.05253	n/a	3/16/2020	0.027	No	15	0.1761	0.02662	0	None	0.0002993	Param Intra 1 of 3	
Barium (mg/L)	GWC-9	0.04876	n/a	3/12/2020	0.044	No	28	0.03862	0.005872	0	None	0.0002993	Param Intra 1 of 3	
Beryllium (mg/L)	GWC-10	0.003	n/a	3/12/2020	0.00017	No	14	n/a	n/a	n/a	71.43	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-13	0.003	n/a	3/13/2020	0.00008	No	14	n/a	n/a	n/a	57.14	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-14_14Z	0.003	n/a	3/13/2020	0.00016	No	14	n/a	n/a	n/a	78.57	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5	0.003	n/a	3/16/2020	0.00048	No	14	n/a	n/a	n/a	14.29	n/a	0.0016	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-6	0.003	n/a	3/12/2020	0.003ND	No	14	n/a	n/a	n/a	78.57	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-8Z	0.003	n/a	3/16/2020	0.003ND	No	15	n/a	n/a	n/a	93.33	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.003	n/a	3/12/2020	0.00022	No	14	n/a	n/a	n/a	35.71	n/a	0.0016	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-50	0.001	n/a	3/11/2020	0.001ND	No	26	n/a	n/a	n/a	96.15	n/a	0.0002803	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-12	0.001	n/a	3/12/2020	0.00089	No	32	n/a	n/a	n/a	68.75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-14_14Z	0.001	n/a	3/13/2020	0.001ND	No	32	n/a	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-5	0.001	n/a	3/16/2020	0.001ND	No	31	n/a	n/a	n/a	80.65	n/a	0.0001701	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-6	0.001	n/a	3/12/2020	0.001ND	No	32	n/a	n/a	n/a	93.75	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-7Z	0.001	n/a	3/12/2020	0.001ND	No	11	n/a	n/a	n/a	90.91	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-8Z	0.001	n/a	3/16/2020	0.001ND	No	15	n/a	n/a	n/a	86.67	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-3	0.027	n/a	3/11/2020	0.00095	No	29	n/a	n/a	n/a	86.21	n/a	0.0002074	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-50	0.01	n/a	3/11/2020	0.0011	No	26	n/a	n/a	n/a	88.46	n/a	0.0002803	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-10	0.042	n/a	3/12/2020	0.00047	No	32	n/a	n/a	n/a	46.88	n/a	0.0001572	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.025	n/a	3/12/2020	0.00084	No	32	n/a	n/a	n/a	28.13	n/a	0.0001572	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-12	0.039	n/a	3/12/2020	0.01ND	No	32	n/a	n/a	n/a	71.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-13	0.02017	n/a	3/13/2020	0.0054	No	32	-4.769	0.511	0	None	0.0002993	Param Intra 1 of 3	
Chromium (mg/L)	GWC-14_14Z	0.01856	n/a	3/13/2020	0.00093	No	31	0.07182	0.03787	25.81	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Chromium (mg/L)	GWC-15_15Z	0.027	n/a	3/13/2020	0.0012	No	26	n/a	n/a	n/a	57.69	n/a	0.0002803	NP Intra (NDs) 1 of 3

Overburden Wells Intrawell Prediction Limits Summary Table - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Chromium (mg/L)	GWC-5	0.032	n/a	3/16/2020	0.00078	No	32	n/a	n/a	53.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-6	0.027	n/a	3/12/2020	0.0034	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-8Z	0.01	n/a	3/16/2020	0.0015	No	14	n/a	n/a	42.86	n/a	n/a	0.0016	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-9	0.018	n/a	3/12/2020	0.00045	No	30	n/a	n/a	80	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.01	n/a	3/11/2020	0.00041	No	32	n/a	n/a	37.5	n/a	n/a	0.0001572	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-10	0.013	n/a	3/12/2020	0.0017	No	32	n/a	n/a	65.63	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.016	n/a	3/12/2020	0.01ND	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.01	n/a	3/12/2020	0.0031	No	31	n/a	n/a	9.677	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-13	0.011	n/a	3/13/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-14_14Z	0.011	n/a	3/13/2020	0.01ND	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15_15Z	0.01	n/a	3/13/2020	0.01ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5	0.01	n/a	3/16/2020	0.00031	No	32	n/a	n/a	53.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-6	0.01	n/a	3/12/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-7Z	0.001751	n/a	3/12/2020	0.00031	No	10	0.02867	0.005656	0	None	n/a	0.0002993	Param Intra 1 of 3
Cobalt (mg/L)	GWC-8Z	0.01	n/a	3/16/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.01	n/a	3/12/2020	0.00044	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0509	n/a	3/11/2020	0.027	No	27	0.03618	0.008473	0	None	n/a	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWA-50	0.01497	n/a	3/11/2020	0.0026	No	21	0.1825	0.03515	19.05	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWC-10	0.025	n/a	3/12/2020	0.025ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.025	n/a	3/12/2020	0.00023	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.025	n/a	3/12/2020	0.025ND	No	27	n/a	n/a	70.37	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-13	0.025	n/a	3/13/2020	0.00033	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-14_14Z	0.025	n/a	3/13/2020	0.025ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15_15Z	0.025	n/a	3/13/2020	0.0002	No	26	n/a	n/a	69.23	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5	0.05566	n/a	3/16/2020	0.012	No	26	0.02693	0.01643	0	None	n/a	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWC-6	0.025	n/a	3/12/2020	0.025ND	No	27	n/a	n/a	59.26	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-7Z	0.025	n/a	3/12/2020	0.00021	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-8Z	0.025	n/a	3/16/2020	0.00024	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.025	n/a	3/12/2020	0.00031	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-50	0.005	n/a	3/11/2020	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.005	n/a	3/12/2020	0.000052	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-13	0.005	n/a	3/13/2020	0.00013	No	32	n/a	n/a	84.38	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-14_14Z	0.005	n/a	3/13/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-6	0.005	n/a	3/12/2020	0.0001	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-7Z	0.005	n/a	3/12/2020	0.000082	No	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-8Z	0.005	n/a	3/16/2020	0.00016	No	15	n/a	n/a	46.67	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-9	0.005	n/a	3/12/2020	0.00016	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-50	0.0005	n/a	3/11/2020	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-11	0.0005	n/a	3/12/2020	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-12	0.0005	n/a	3/12/2020	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-13	0.0005	n/a	3/13/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-15_15Z	0.0005	n/a	3/13/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-5	0.0005	n/a	3/16/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-6	0.0005	n/a	3/12/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.05803	n/a	3/11/2020	0.012	No	25	-3.684	0.4762	0	None	n/a	0.0002993	Param Intra 1 of 3
Nickel (mg/L)	GWA-50	0.01	n/a	3/11/2020	0.00084	No	21	n/a	n/a	47.62	n/a	n/a	0.000511	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-10	0.032	n/a	3/12/2020	0.0015	No	27	n/a	n/a	51.85	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.029	n/a	3/12/2020	0.0022	No	27	n/a	n/a	48.15	n/a	n/a	0.000256	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-13	0.015	n/a	3/13/2020	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-14_14Z	0.011	n/a	3/13/2020	0.00078	No	27	n/a	n/a	62.96	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-15_15Z	0.019	n/a	3/13/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5	0.04631	n/a	3/16/2020	0.015	No	27	0.02419	0.01273	0	None	n/a	0.0002993	Param Intra 1 of 3
Nickel (mg/L)	GWC-6	0.022	n/a	3/12/2020	0.01ND	No	26	n/a	n/a	46.15	n/a	n/a	0.0002803	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-7Z	0.001363	n/a	3/12/2020	0.00078	No	5	0.001133	0.00004714	40	Kaplan-Meier	n/a	0.0002993	Param Intra 1 of 3

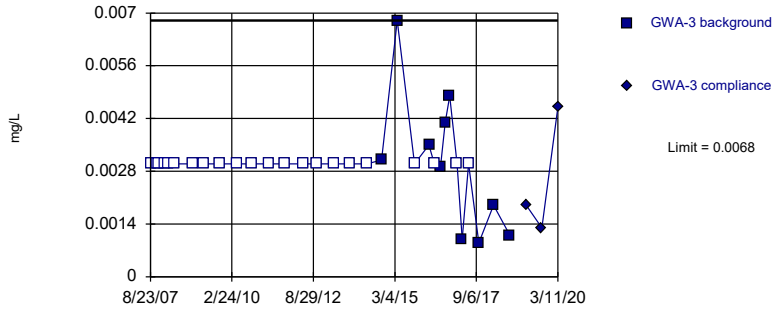
Overburden Wells Intrawell Prediction Limits Summary Table - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Nickel (mg/L)	GWC-8Z	0.01	n/a	3/16/2020	0.0006	No	10	n/a	n/a	n/a	60	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.014	n/a	3/12/2020	0.0011	No	25	n/a	n/a	n/a	40	n/a	0.0003046	NP Intra (normality) 1 of 3
Selenium (mg/L)	GWC-13	0.0074	n/a	3/13/2020	0.0019	No	32	n/a	n/a	n/a	62.5	n/a	0.0001572	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5	0.01	n/a	3/16/2020	0.01ND	No	31	n/a	n/a	n/a	90.32	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.01	n/a	3/12/2020	0.01ND	No	32	n/a	n/a	n/a	96.88	n/a	0.0001572	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-50	0.01	n/a	3/11/2020	0.00039	No	21	n/a	n/a	n/a	80.95	n/a	0.000511	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-12	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	n/a	96.3	n/a	0.000256	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-15_15Z	0.001	n/a	3/13/2020	0.001ND	No	11	n/a	n/a	n/a	81.82	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-6	0.001	n/a	3/12/2020	0.001ND	No	12	n/a	n/a	n/a	91.67	n/a	0.002173	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-8Z	0.001	n/a	3/16/2020	0.001ND	No	12	n/a	n/a	n/a	83.33	n/a	0.002173	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.01	n/a	3/11/2020	0.01ND	No	27	n/a	n/a	n/a	92.59	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	n/a	85.19	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	n/a	88.89	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	n/a	74.07	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-13	0.01	n/a	3/13/2020	0.002	No	26	n/a	n/a	n/a	53.85	n/a	0.0002803	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-14_14Z	0.012	n/a	3/13/2020	0.01ND	No	27	n/a	n/a	n/a	66.67	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15_15Z	0.0165	n/a	3/13/2020	0.00095	No	26	0.006028	0.005988	34.62	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Vanadium (mg/L)	GWC-5	0.01	n/a	3/16/2020	0.01ND	No	27	n/a	n/a	n/a	88.89	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-6	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	n/a	66.67	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-8Z	0.01	n/a	3/16/2020	0.01ND	No	10	n/a	n/a	n/a	90	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.01	n/a	3/12/2020	0.01ND	No	27	n/a	n/a	n/a	81.48	n/a	0.000256	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-3	0.1185	n/a	3/11/2020	0.031	No	27	-2.766	0.3644	3.704	None	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWA-50	0.007874	n/a	3/11/2020	0.0025	No	20	0.004272	0.001962	25	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWC-10	0.03989	n/a	3/12/2020	0.0024	No	27	-5.18	1.127	29.63	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWC-11	0.015	n/a	3/12/2020	0.0038	No	27	n/a	n/a	62.96	n/a	0.000256	NP Intra (NDs) 1 of 3	
Zinc (mg/L)	GWC-12	0.05749	n/a	3/12/2020	0.015	No	27	-4.541	0.9693	14.81	None	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWC-13	0.01707	n/a	3/13/2020	0.0043	No	23	0.008189	0.004965	26.09	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWC-14_14Z	0.015	n/a	3/13/2020	0.0028	No	22	n/a	n/a	27.27	n/a	0.0004594	NP Intra (normality) 1 of 3	
Zinc (mg/L)	GWC-15_15Z	0.01298	n/a	3/13/2020	0.0026	No	23	0.1578	0.04314	43.48	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWC-5	0.1443	n/a	3/16/2020	0.047	No	27	0.07538	0.03964	3.704	None	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWC-6	0.01677	n/a	3/12/2020	0.0042	No	22	0.08853	0.0227	36.36	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWC-8Z	0.00618	n/a	3/16/2020	0.0073	No	10	0.1413	0.01813	50	Kaplan-Meier	0.0002993	Param Intra 1 of 3	
Zinc (mg/L)	GWC-9	0.01646	n/a	3/12/2020	0.0045	No	23	0.08051	0.0267	17.39	Kaplan-Meier	0.0002993	Param Intra 1 of 3	

Within Limit

Prediction Limit
Intrawell Non-parametric

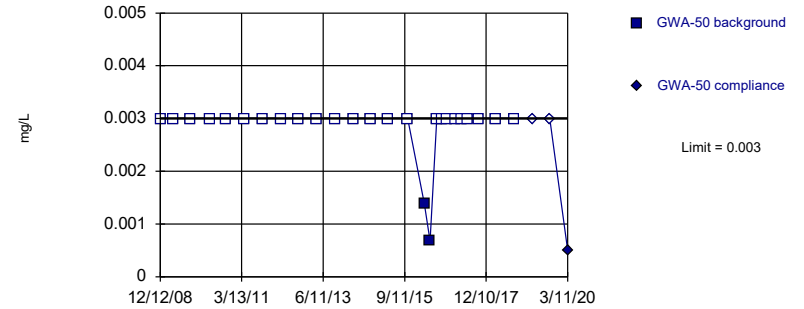


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

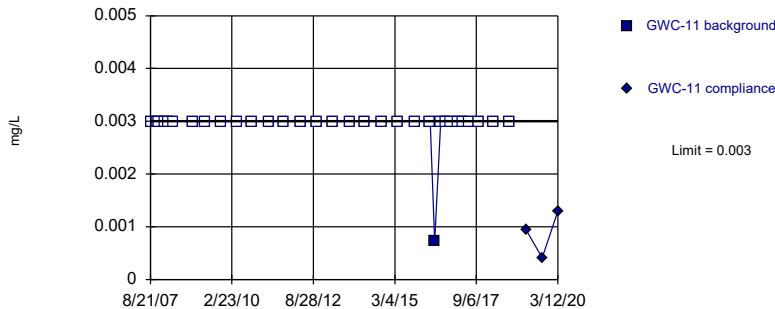


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

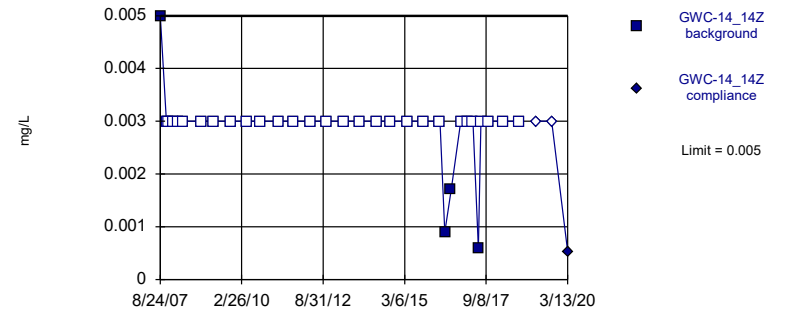


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/8/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/21/2011	<0.003	
10/13/2011	<0.003	
5/1/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/4/2014	0.0031 (J)	
3/31/2015	0.0068	
10/12/2015	<0.003	
3/23/2016	0.0035	
5/23/2016	<0.003	
7/29/2016	0.0029 (J)	
9/22/2016	0.0041	
11/10/2016	0.0048 (J)	
1/31/2017	<0.003	
3/30/2017	0.001 (J)	
6/12/2017	<0.003	
10/4/2017	0.0009 (J)	
3/19/2018	0.0019 (J)	
9/17/2018	0.0011 (J)	
3/20/2019		0.0019 (J)
9/13/2019		0.0013 (J)
3/11/2020		0.0045

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
4/27/2010	<0.003	
9/30/2010	<0.003	
4/14/2011	<0.003	
10/5/2011	<0.003	
4/11/2012	<0.003	
10/2/2012	<0.003	
4/9/2013	<0.003	
10/15/2013	<0.003	
4/10/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	0.00139 (J)	
5/23/2016	0.000677 (J)	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/10/2016	<0.003	
1/30/2017	<0.003	
4/7/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003	
3/19/2019		<0.003
9/13/2019		<0.003
3/11/2020		0.0005 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	<0.003	
4/1/2015	<0.003	
10/11/2015	<0.003	
4/4/2016	<0.003	
5/26/2016	0.000722 (J)	
8/3/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		0.00094 (J)
9/17/2019		0.00041 (J)
3/12/2020		0.0013 (J)

Prediction Limit

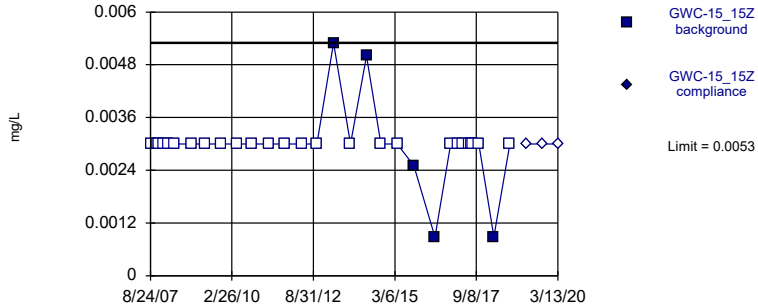
Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.005	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/16/2009	<0.003	
10/20/2009	<0.003	
4/20/2010	<0.003	
9/29/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	<0.003	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/7/2015	<0.003	
4/5/2016	<0.003	
6/1/2016	0.000895 (J)	
8/9/2016	0.0017 (JD)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	0.0006 (J)	
7/12/2017	<0.003	
10/5/2017	<0.003	
3/22/2018	<0.003	
9/19/2018	<0.003	
3/22/2019		<0.003
9/17/2019		<0.003
3/13/2020		0.00053 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

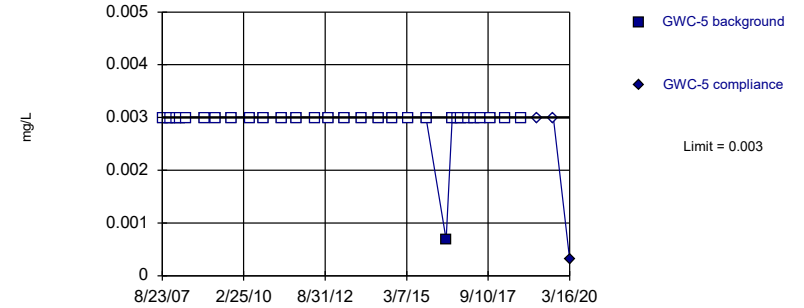


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

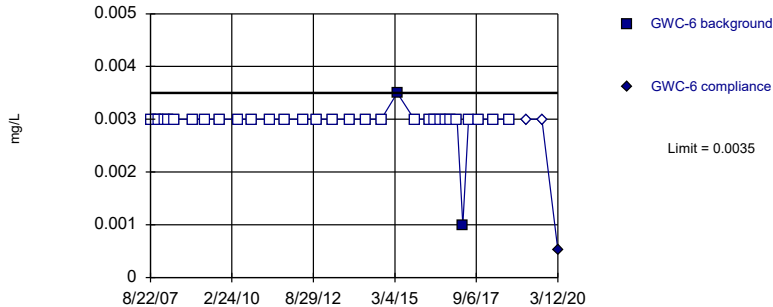


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

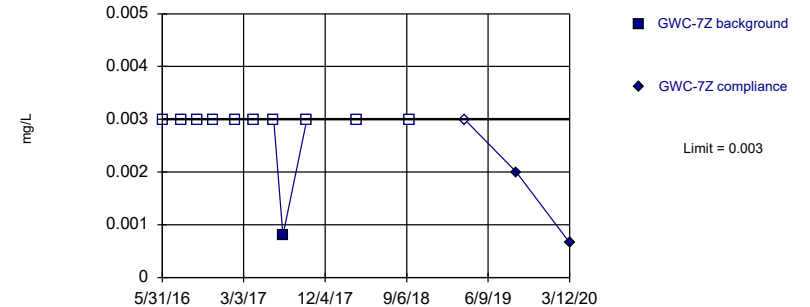


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/15/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/20/2009	<0.003	
4/27/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/10/2012	<0.003	
4/16/2013	0.0053	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/6/2015	0.0025 (J)	
4/5/2016	0.053 (o)	
5/31/2016	0.00088 (J)	
11/23/2016	<0.003	
2/10/2017	<0.003	
4/11/2017	<0.003	
6/15/2017	<0.003	
7/12/2017	<0.003	
7/26/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	0.00089 (J)	
9/19/2018	<0.003	
3/22/2019		<0.003
9/17/2019		<0.003
3/13/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.003	
10/25/2007	<0.003	
11/19/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/12/2008	<0.003	
12/11/2008	<0.003	
4/15/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/12/2010	<0.003	
4/28/2011	<0.003	
10/19/2011	<0.003	
5/2/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/3/2014	<0.003	
3/31/2015	<0.003	
10/12/2015	<0.003	
3/28/2016	0.0284 (o)	
5/25/2016	0.000686 (J)	
8/1/2016	<0.003	
9/27/2016	<0.003	
11/11/2016	<0.003	
1/31/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/20/2019		<0.003
9/16/2019		<0.003
3/16/2020		0.00031 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.003	
10/25/2007	<0.003	
11/20/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/11/2008	<0.003	
4/23/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/11/2010	<0.003	
4/26/2011	<0.003	
10/18/2011	<0.003	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/10/2013	<0.003	
10/8/2013	<0.003	
4/14/2014	<0.003	
10/3/2014	<0.003	
4/1/2015	0.0035 (J)	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.001 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/21/2019		<0.003
9/16/2019		<0.003
3/12/2020		0.00052 (J)

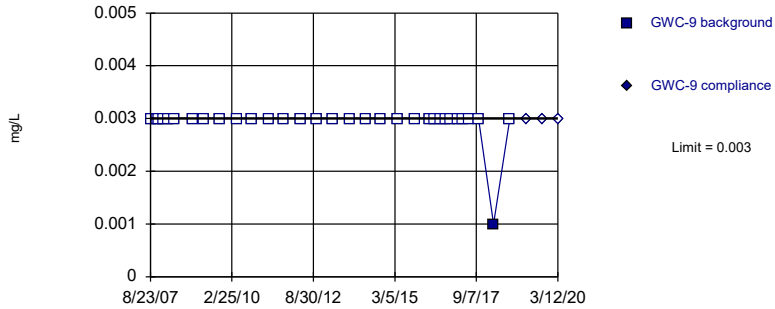
Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/21/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
7/14/2017	0.0008 (J)	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
3/21/2019		<0.003
9/13/2019		0.002 (J)
3/12/2020		0.00066 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

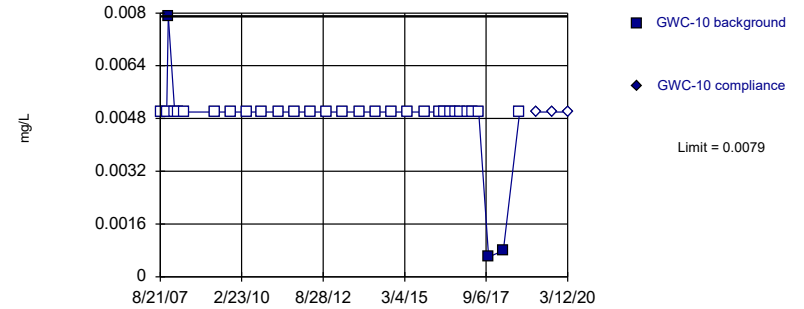


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

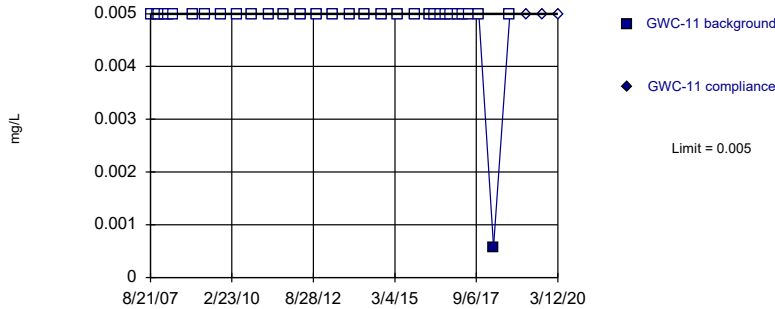


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

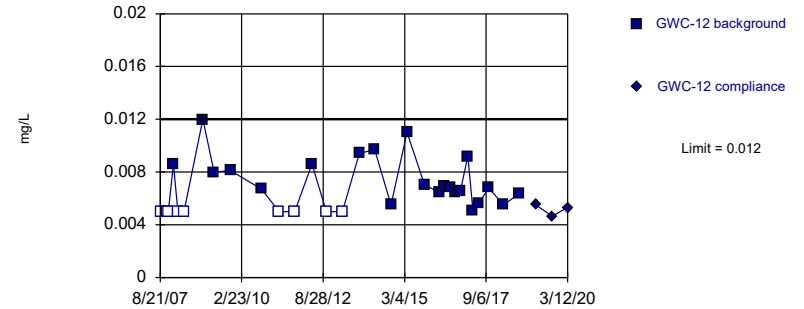


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 29.03% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/13/2008	<0.003	
12/12/2008	<0.003	
4/16/2009	<0.003	
10/13/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/5/2011	<0.003	
4/4/2012	<0.003	
10/8/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/9/2014	<0.003	
9/30/2014	<0.003	
4/2/2015	<0.003	
10/10/2015	<0.003 (D)	
3/30/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/21/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	0.001 (J)	
9/18/2018	<0.003 (D)	
3/21/2019		<0.003
9/16/2019		<0.003
3/12/2020		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0079	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.015 (o)	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	0.0006 (J)	
3/20/2018	0.00079 (J)	
9/18/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/12/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00058 (J)	
9/18/2018	<0.005	
3/23/2019		<0.005
9/17/2019		<0.005
3/12/2020		<0.005

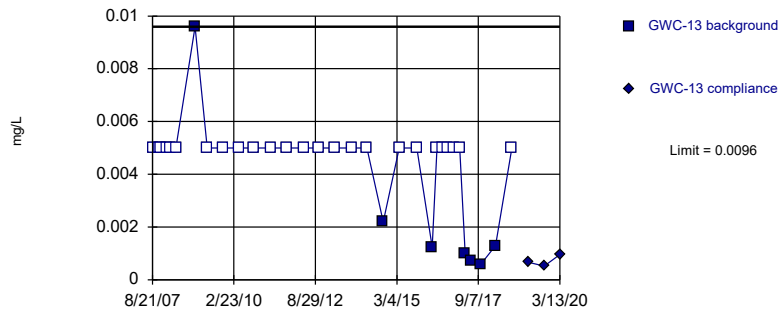
Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	0.0086	
3/5/2008	<0.005	
5/13/2008	<0.005	
12/13/2008	0.012	
4/16/2009	0.008	
10/21/2009	0.0081	
10/5/2010	0.0067	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	0.0086	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	0.0094	
4/1/2014	0.0097	
10/2/2014	0.0055	
4/1/2015	0.011	
10/14/2015	0.007	
4/4/2016	0.00645	
5/27/2016	0.00692	
8/3/2016	0.0068	
9/30/2016	0.0065	
11/22/2016	0.0066	
2/13/2017	0.0092	
4/11/2017	0.0051	
6/14/2017	0.0056	
10/4/2017	0.0068	
3/22/2018	0.0055	
9/18/2018	0.0064	
3/23/2019		0.0055
9/17/2019		0.00465 (JD)
3/12/2020		0.0053

Within Limit

Prediction Limit
Intrawell Non-parametric

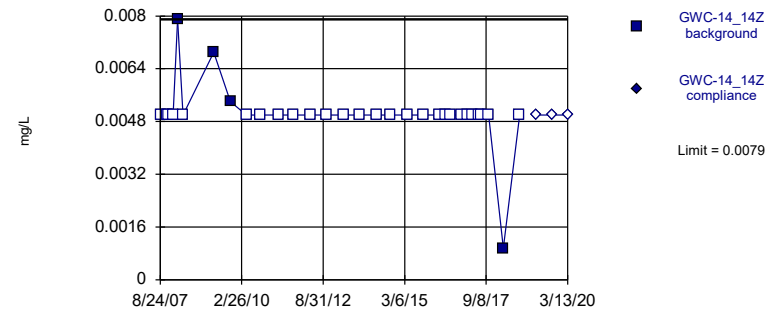


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

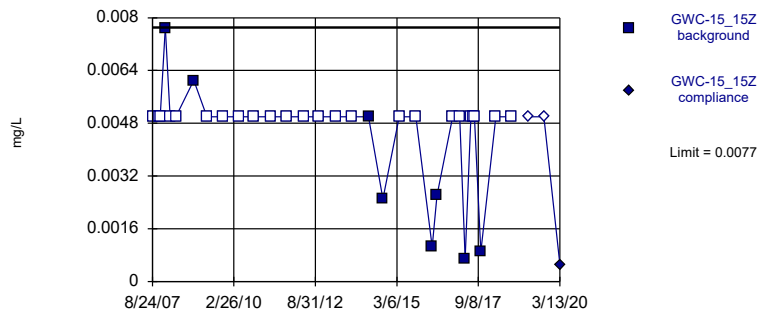


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

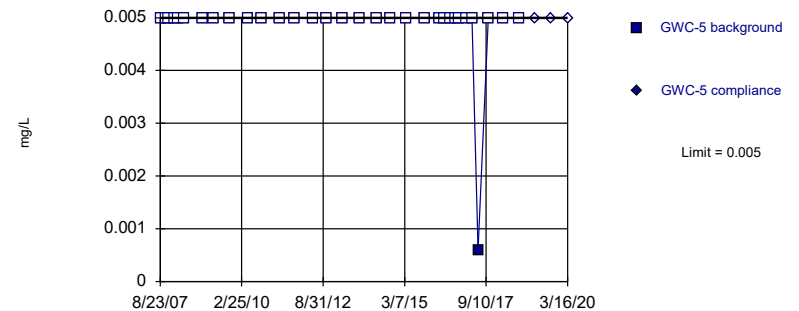


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.0096	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0022 (J)	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	0.00124 (J)	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/12/2017	0.001 (J)	
6/16/2017	0.0007 (J)	
10/9/2017	0.0006 (J)	
3/21/2018	0.0013 (J)	
9/19/2018	<0.005	
3/23/2019		0.00067 (J)
9/18/2019		0.00052 (J)
3/13/2020		0.00096 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	0.0079	
5/7/2008	<0.005	
12/2/2008	0.014 (o)	
4/16/2009	0.0069	
10/20/2009	0.0054	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	0.00096 (J)	
9/19/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/13/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0077	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/2/2008	0.0061	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	0.0025 (J)	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	0.00105 (J)	
5/31/2016	0.00261 (J)	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	0.0007 (J)	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	0.0009 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/13/2020		0.00052 (J)

Prediction Limit

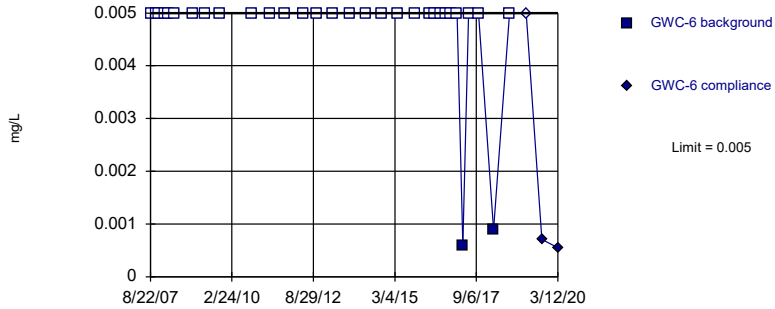
Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0006 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019		<0.005
9/16/2019		<0.005
3/16/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

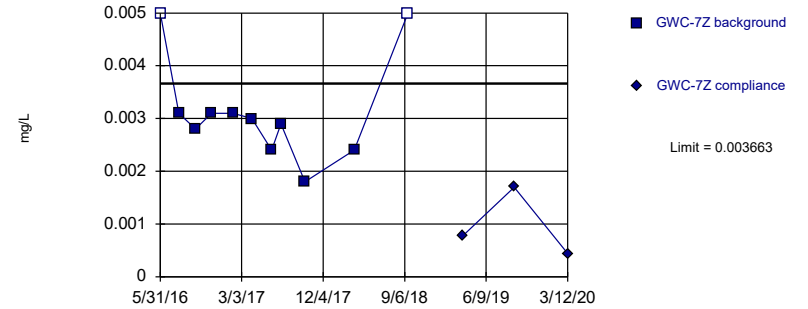


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

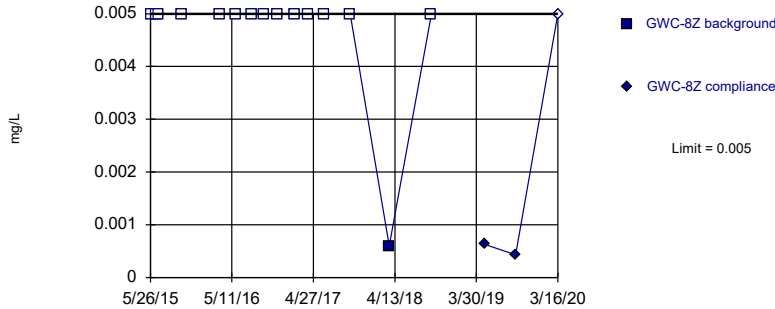


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002522, Std. Dev.=0.0005101, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8226, critical = 0.792. Kappa = 2.236 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

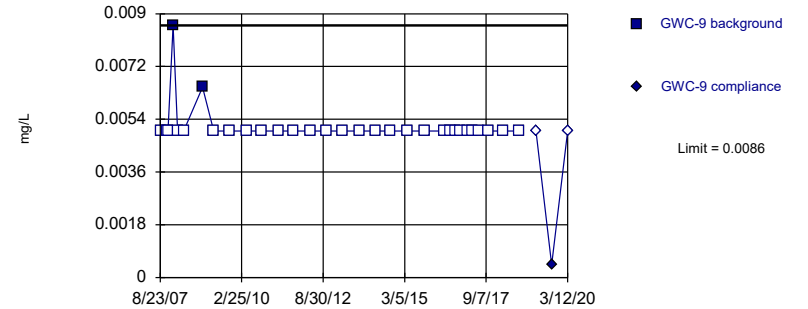


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	0.014 (o)	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.005	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	0.0006 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	0.00089 (J)	
9/17/2018	<0.005	
3/21/2019		<0.005
9/16/2019		0.00071 (J)
3/12/2020		0.00055 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0031 (J)	
9/27/2016	0.0028 (J)	
11/21/2016	0.0031 (J)	
2/1/2017	0.0031 (J)	
4/6/2017	0.003 (J)	
6/13/2017	0.0024 (J)	
7/14/2017	0.0029 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0024 (J)	
9/18/2018	<0.005	
3/21/2019		0.00077 (J)
9/13/2019		0.0017 (J)
3/12/2020		0.00044 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	0.0006 (J)	
9/18/2018	<0.005	
5/6/2019		0.00063 (J)
9/16/2019		0.00043 (J)
3/16/2020		<0.005

Prediction Limit

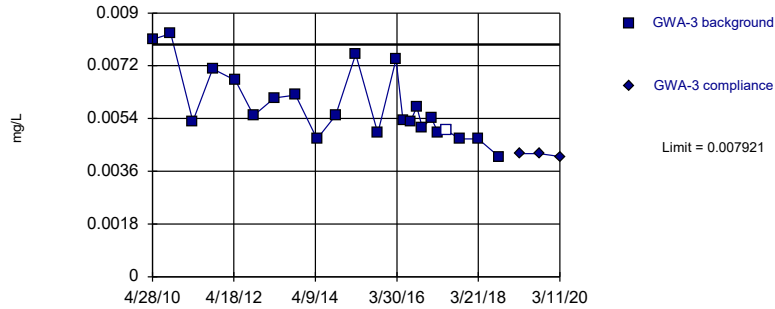
Constituent: Arsenic (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	0.0086	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	0.0065	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.0241 (o)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019		<0.005
9/16/2019		0.00044 (J)
3/12/2020		<0.005

Within Limit

Prediction Limit
Intrawell Parametric

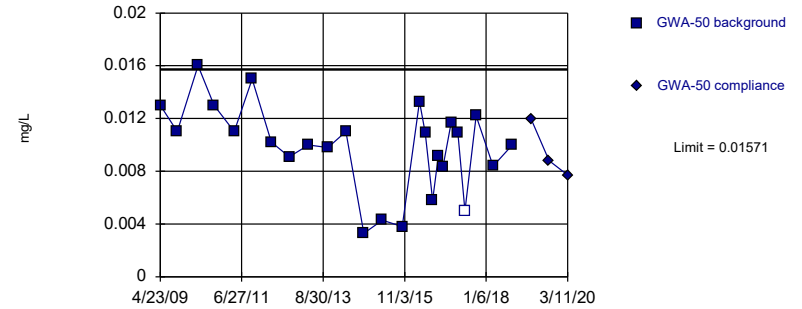


Background Data Summary: Mean=0.005815, Std. Dev.=0.001177, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.901, critical = 0.881. Kappa = 1.789 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

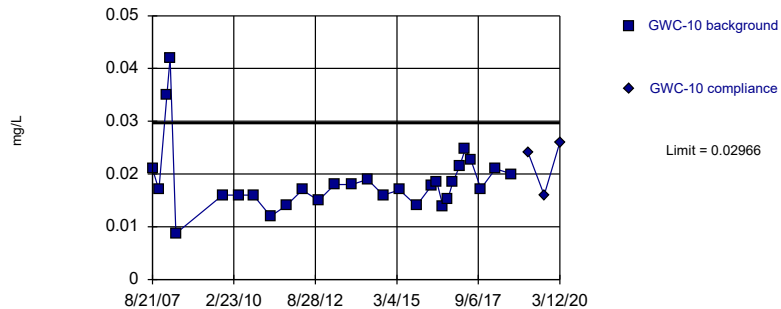


Background Data Summary: Mean=0.009848, Std. Dev.=0.003336, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9472, critical = 0.888. Kappa = 1.758 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

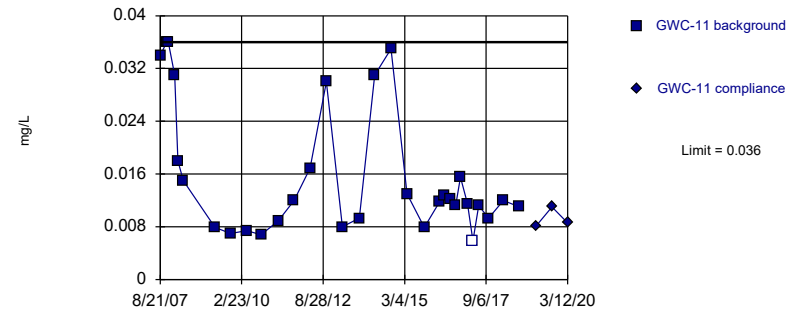


Background Data Summary (based on natural log transformation): Mean=4.024, Std. Dev.=0.2943, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9179, critical = 0.898. Kappa = 1.718 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 3.226% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.015 (o)	
11/2/2007	0.017 (o)	
11/18/2007	0.019 (o)	
1/31/2008	0.011 (o)	
3/11/2008	0.016 (o)	
5/14/2008	0.013 (o)	
12/5/2008	0.021 (o)	
4/15/2009	0.012 (o)	
10/8/2009	0.011 (o)	
4/28/2010	0.0081	
10/6/2010	0.0083	
4/21/2011	0.0053	
10/13/2011	0.0071	
5/1/2012	0.0067	
10/9/2012	0.0055	
4/11/2013	0.0061	
10/16/2013	0.0062	
4/23/2014	0.0047	
10/4/2014	0.0055	
3/31/2015	0.0076	
10/12/2015	0.0049	
3/23/2016	0.00742 (J)	
5/23/2016	0.00532 (J)	
7/29/2016	0.0053 (J)	
9/22/2016	0.0058 (J)	
11/10/2016	0.0051 (J)	
1/31/2017	0.0054 (J)	
3/30/2017	0.0049 (J)	
6/12/2017	<0.01	
10/4/2017	0.0047 (J)	
3/19/2018	0.0047 (J)	
9/17/2018	0.0041 (J)	
3/20/2019		0.0042 (J)
9/13/2019		0.0042 (J)
3/11/2020		0.0041 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.098 (o)	
4/23/2009	0.013	
10/6/2009	0.011	
4/27/2010	0.016	
9/30/2010	0.013	
4/14/2011	0.011	
10/5/2011	0.015	
4/11/2012	0.0102	
10/2/2012	0.0091	
4/9/2013	0.01	
10/15/2013	0.0098	
4/10/2014	0.011	
10/1/2014	0.0033	
3/30/2015	0.0043	
10/11/2015	0.0038	
3/28/2016	0.0133	
5/23/2016	0.0109	
8/1/2016	0.0058 (J)	
9/26/2016	0.0092 (J)	
11/10/2016	0.0083 (J)	
1/30/2017	0.0117	
4/7/2017	0.0109	
6/12/2017	<0.01	
10/2/2017	0.0122	
3/16/2018	0.0084 (J)	
9/17/2018	0.01	
3/19/2019		0.012
9/13/2019		0.0088 (J)
3/11/2020		0.0077 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.021	
11/1/2007	0.017	
11/20/2007	0.1 (o)	
1/30/2008	0.035	
3/6/2008	0.042	
5/12/2008	0.0087	
12/13/2008	0.12 (o)	
4/29/2009	0.11 (o)	
10/20/2009	0.016	
4/26/2010	0.016	
9/29/2010	0.016	
4/13/2011	0.012	
10/5/2011	0.014	
4/4/2012	0.017	
10/3/2012	0.015	
4/3/2013	0.018	
10/15/2013	0.018	
4/9/2014	0.019	
10/2/2014	0.016	
4/2/2015	0.017	
10/10/2015	0.014	
3/31/2016	0.0179	
5/26/2016	0.0186	
8/5/2016	0.0138	
9/28/2016	0.0153	
11/22/2016	0.0184 (J)	
2/7/2017	0.0215	
4/10/2017	0.0247	
6/14/2017	0.0227	
10/4/2017	0.0172	
3/20/2018	0.021	
9/18/2018	0.02	
3/22/2019		0.024
9/17/2019		0.016
3/12/2020		0.026

Prediction Limit

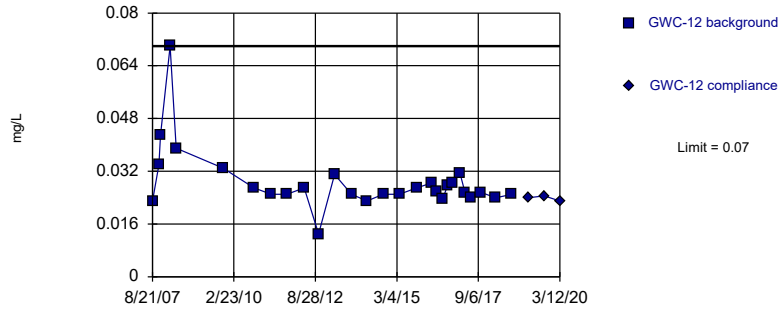
Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	0.034	
11/1/2007	0.036	
11/18/2007	0.036	
1/30/2008	0.031 (J)	
3/5/2008	0.018	
5/7/2008	0.015	
12/14/2008	0.12 (o)	
4/29/2009	0.0079	
10/22/2009	0.007	
4/21/2010	0.0074	
9/28/2010	0.0068	
4/12/2011	0.0089	
10/4/2011	0.012	
4/3/2012	0.0169	
10/3/2012	0.03	
4/3/2013	0.008	
10/9/2013	0.0093	
4/2/2014	0.031	
10/2/2014	0.035	
4/1/2015	0.013	
10/11/2015	0.0079	
4/4/2016	0.0119	
5/26/2016	0.0127	
8/3/2016	0.0121	
9/28/2016	0.0112	
11/22/2016	0.0155 (J)	
2/8/2017	0.0115	
4/10/2017	<0.0117	
6/15/2017	0.0112	
10/4/2017	0.0093 (J)	
3/21/2018	0.012	
9/18/2018	0.011	
3/23/2019		0.0081 (J)
9/17/2019		0.011
3/12/2020		0.0086 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

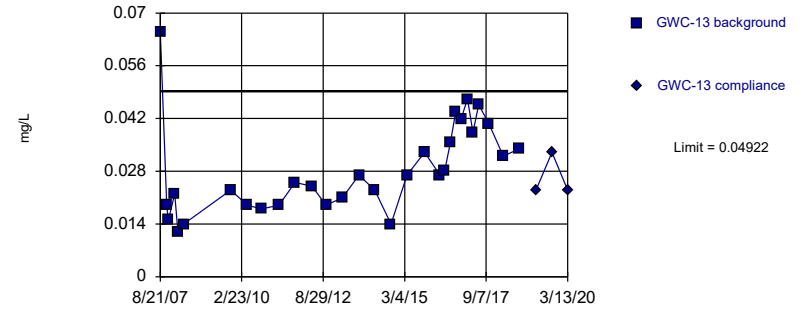


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. Well-constituent pair annual alpha = 0.0004633. Individual comparison alpha = 0.0002317 (1 of 3).

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

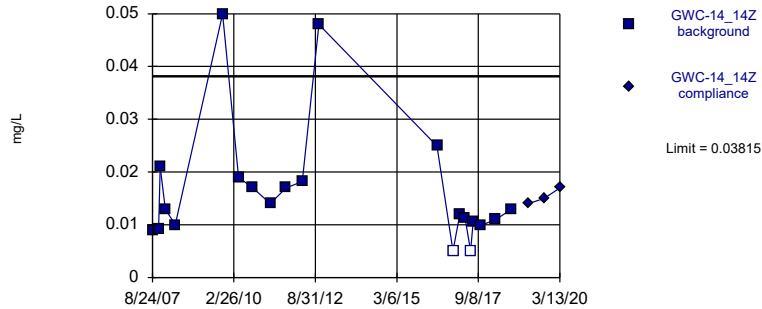


Background Data Summary: Mean=0.02845, Std. Dev.=0.01216, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9232, critical = 0.9. Kappa = 1.708 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

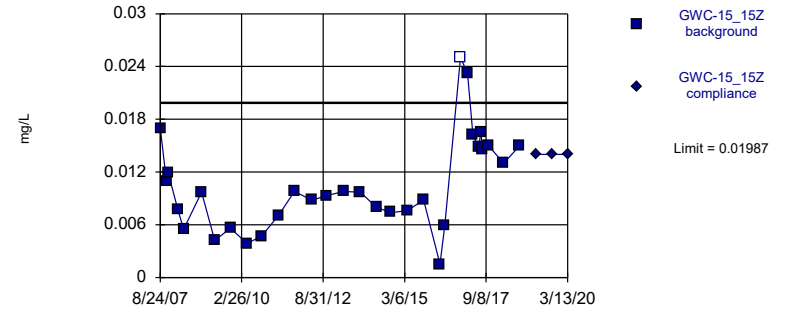


Background Data Summary (based on cube root transformation): Mean=0.2446, Std. Dev.=0.05056, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8857, critical = 0.873. Kappa = 1.82 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.0106, Std. Dev.=0.00545, n=31, 3.226% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.902. Kappa = 1.701 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.023	
11/1/2007	0.034	
11/19/2007	0.043	
1/16/2008	0.13 (o)	
3/5/2008	0.07	
5/13/2008	0.039	
12/13/2008	0.13 (o)	
4/16/2009	0.13 (o)	
10/21/2009	0.033	
4/27/2010	0.11 (o)	
10/5/2010	0.027	
4/19/2011	0.025	
10/12/2011	0.025	
4/24/2012	0.027	
10/2/2012	0.013	
4/2/2013	0.031	
10/9/2013	0.025	
4/1/2014	0.023	
10/2/2014	0.025	
4/1/2015	0.025	
10/14/2015	0.027	
4/4/2016	0.0285	
5/27/2016	0.0257	
8/3/2016	0.0237	
9/30/2016	0.0279	
11/22/2016	0.0286 (J)	
2/13/2017	0.0313	
4/11/2017	0.0254	
6/14/2017	0.0241	
10/4/2017	0.0256	
3/22/2018	0.024	
9/18/2018	0.025	
3/23/2019		0.024
9/17/2019		0.0245 (D)
3/12/2020		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.065	
11/1/2007	0.019	
11/19/2007	0.015	
1/31/2008	0.022	
3/5/2008	0.012	
5/12/2008	0.014	
12/13/2008	0.11 (o)	
4/28/2009	0.12 (o)	
10/21/2009	0.023	
4/28/2010	0.019	
10/5/2010	0.018	
4/19/2011	0.019	
10/18/2011	0.025	
4/25/2012	0.024	
10/2/2012	0.019	
4/2/2013	0.021	
10/8/2013	0.027	
4/1/2014	0.023	
10/1/2014	0.014	
4/1/2015	0.027	
10/15/2015	0.033	
4/4/2016	0.027	
5/31/2016	0.0283	
8/4/2016	0.0358	
9/29/2016	0.0437	
11/28/2016	0.0419 (J)	
2/9/2017	0.0472	
4/12/2017	0.0383	
6/16/2017	0.0457	
10/9/2017	0.0406	
3/21/2018	0.032	
9/19/2018	0.034	
3/23/2019		0.023
9/18/2019		0.033
3/13/2020		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

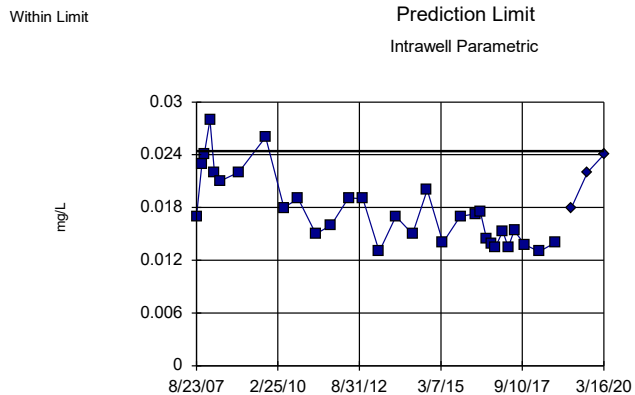
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.0089	
11/2/2007	0.0091	
11/17/2007	0.021	
1/15/2008	0.013	
3/5/2008	0.11 (o)	
5/7/2008	0.01	
12/2/2008	0.12 (o)	
4/16/2009	0.13 (o)	
10/20/2009	0.05	
4/20/2010	0.019	
9/29/2010	0.017	
4/12/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.0182	
10/10/2012	0.048	
4/15/2013	0.03 (o)	
10/22/2013	0.033 (o)	
4/21/2014	0.033 (o)	
9/30/2014	0.027 (o)	
4/3/2015	0.13 (o)	
10/7/2015	0.047 (o)	
4/5/2016	0.0279 (o)	
6/1/2016	0.0249	
8/9/2016	0.0268 (o)	
11/28/2016	<0.01	
2/9/2017	0.0119	
4/11/2017	0.0112 (D)	
6/14/2017	<0.01	
7/12/2017	0.0105	
10/5/2017	0.0099 (J)	
3/22/2018	0.011	
9/19/2018	0.013	
3/22/2019		0.014
9/17/2019		0.015
3/13/2020		0.017

Prediction Limit

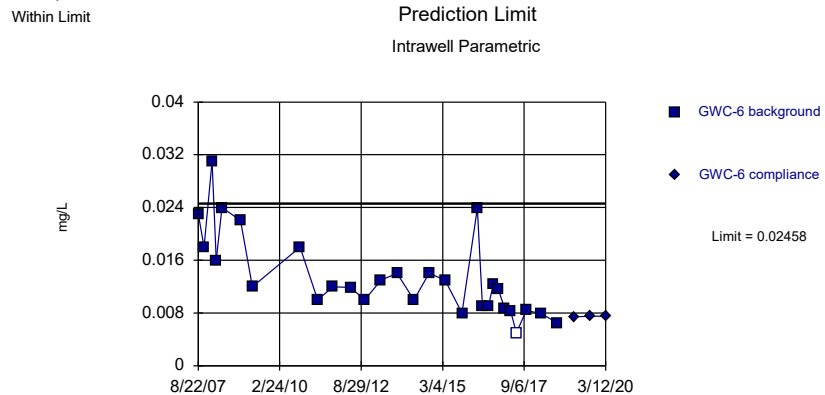
Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.017	
11/2/2007	0.011	
11/18/2007	0.012 (J)	
1/15/2008	0.088 (o)	
3/10/2008	0.0077	
5/13/2008	0.0055	
12/2/2008	0.0097	
4/28/2009	0.0042	
10/20/2009	0.0056	
4/27/2010	0.0039	
10/5/2010	0.0047	
4/19/2011	0.0071	
10/12/2011	0.0098	
4/25/2012	0.0088	
10/10/2012	0.0093	
4/16/2013	0.0098	
10/22/2013	0.0097	
4/21/2014	0.008	
9/30/2014	0.0074	
4/3/2015	0.0076	
10/6/2015	0.0088	
4/5/2016	0.00153 (J)	
5/31/2016	0.00589 (J)	
11/23/2016	<0.05	
2/10/2017	0.0233	
4/11/2017	0.0162	
6/15/2017	0.0148	
7/12/2017	0.0166	
7/26/2017	0.0146	
10/6/2017	0.015	
3/23/2018	0.013	
9/19/2018	0.015	
3/22/2019		0.014
9/17/2019		0.014
3/13/2020		0.014



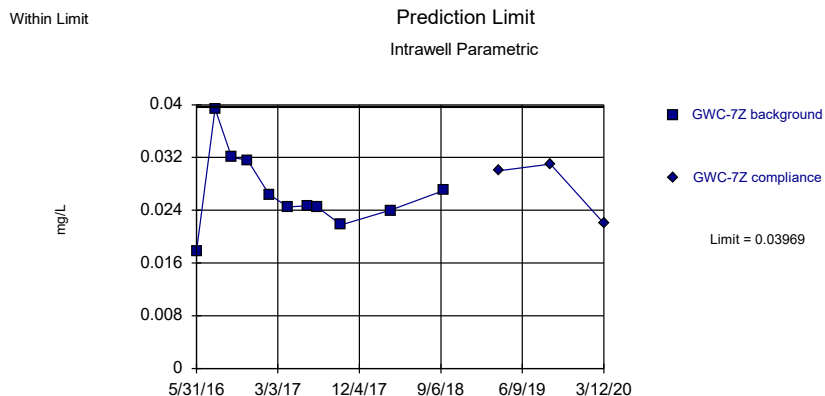
Background Data Summary: Mean=0.01764, Std. Dev.=0.003992, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9058, critical = 0.902. Kappa = 1.701 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



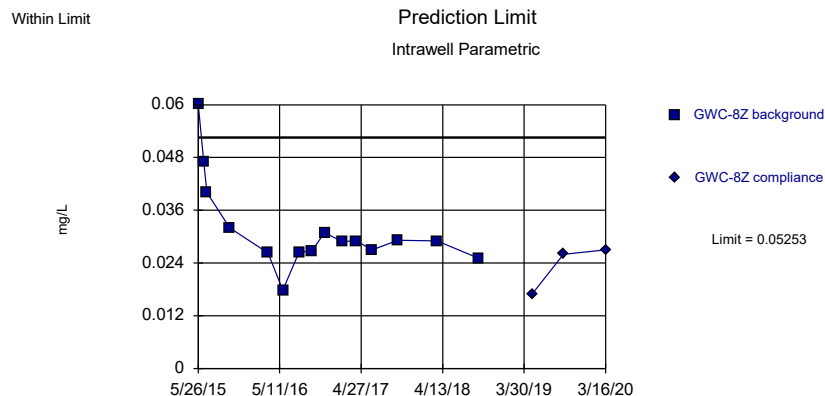
Background Data Summary (based on square root transformation): Mean=0.1134, Std. Dev.=0.02526, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.898. Kappa = 1.718 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Background Data Summary: Mean=0.0267, Std. Dev.=0.005812, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9261, critical = 0.792. Kappa = 2.236 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR



Background Data Summary (based on square root transformation): Mean=0.1761, Std. Dev.=0.02662, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8449, critical = 0.835. Kappa = 1.993 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.017	
10/25/2007	0.023	
11/19/2007	0.024	
1/23/2008	0.028	
3/11/2008	0.022	
5/12/2008	0.021	
12/11/2008	0.022	
4/15/2009	0.13 (o)	
10/9/2009	0.026	
5/4/2010	0.018	
10/12/2010	0.019	
4/28/2011	0.015	
10/19/2011	0.016	
5/2/2012	0.0191	
10/9/2012	0.019	
4/11/2013	0.013	
10/16/2013	0.017	
4/23/2014	0.015	
10/3/2014	0.02	
3/31/2015	0.014	
10/12/2015	0.017	
3/28/2016	0.0173	
5/25/2016	0.0175	
8/1/2016	0.0145	
9/27/2016	0.0139	
11/11/2016	0.0135	
1/31/2017	0.0153	
4/3/2017	0.0135	
6/12/2017	0.0154	
10/3/2017	0.0138	
3/19/2018	0.013	
9/17/2018	0.014	
3/20/2019		0.018
9/16/2019		0.022
3/16/2020		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	0.023	
10/25/2007	0.018	
11/20/2007	0.1 (o)	
1/23/2008	0.031	
3/11/2008	0.016	
5/14/2008	0.024	
12/11/2008	0.022	
4/23/2009	0.012	
10/9/2009	0.11 (o)	
5/4/2010	0.096 (o)	
10/11/2010	0.018	
4/26/2011	0.01	
10/18/2011	0.012	
5/2/2012	0.0119	
10/8/2012	0.01	
4/10/2013	0.013	
10/8/2013	0.014	
4/14/2014	0.01	
10/3/2014	0.014	
4/1/2015	0.013	
10/9/2015	0.008	
3/29/2016	0.0239 (J)	
5/24/2016	0.00902 (J)	
8/1/2016	0.0091 (J)	
9/26/2016	0.0124	
11/18/2016	0.0117	
2/1/2017	0.0086 (J)	
4/6/2017	0.0083 (J)	
6/13/2017	<0.01	
10/3/2017	0.0084 (J)	
3/19/2018	0.0079 (J)	
9/17/2018	0.0065 (J)	
3/21/2019		0.0074 (J)
9/16/2019		0.0075 (J)
3/12/2020		0.0075 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	0.0178	
8/2/2016	0.0394	
9/27/2016	0.032	
11/21/2016	0.0316 (J)	
2/1/2017	0.0264	
4/6/2017	0.0245	
6/13/2017	0.0247	
7/14/2017	0.0245	
10/3/2017	0.0218	
3/20/2018	0.024	
9/18/2018	0.027	
3/21/2019		0.03
9/13/2019		0.031
3/12/2020		0.022

Prediction Limit

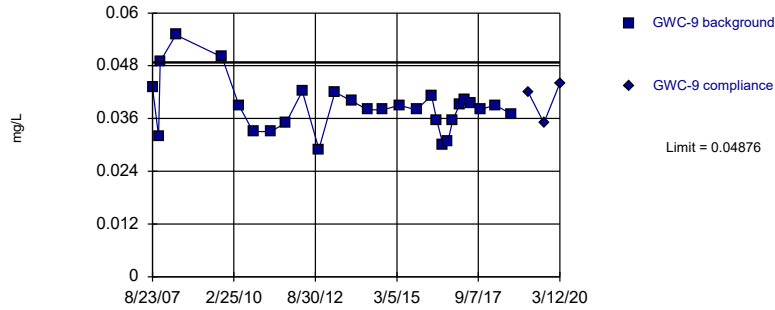
Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.06	
6/18/2015	0.047 (D)	
7/2/2015	0.04	
10/8/2015	0.032	
3/22/2016	0.0263	
5/25/2016	0.0178	
8/2/2016	0.0265	
9/26/2016	0.0267	
11/21/2016	0.0309 (J)	
2/3/2017	0.0289	
4/7/2017	0.029	
6/13/2017	0.027	
10/3/2017	0.0292	
3/20/2018	0.029	
9/18/2018	0.025	
5/6/2019		0.017
9/16/2019		0.026
3/16/2020		0.027

Within Limit

Prediction Limit
Intrawell Parametric

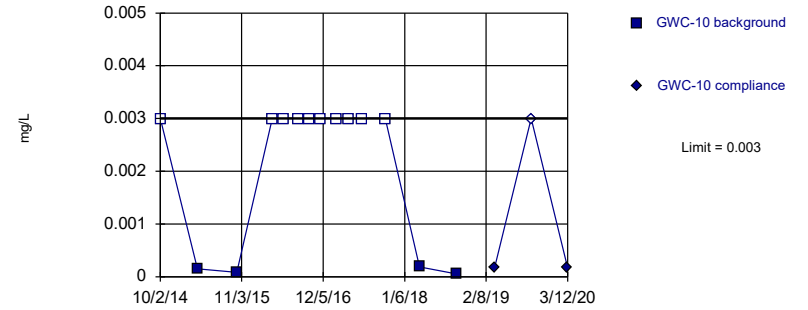


Background Data Summary: Mean=0.03862, Std. Dev.=0.005872, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9314, critical = 0.896. Kappa = 1.728 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

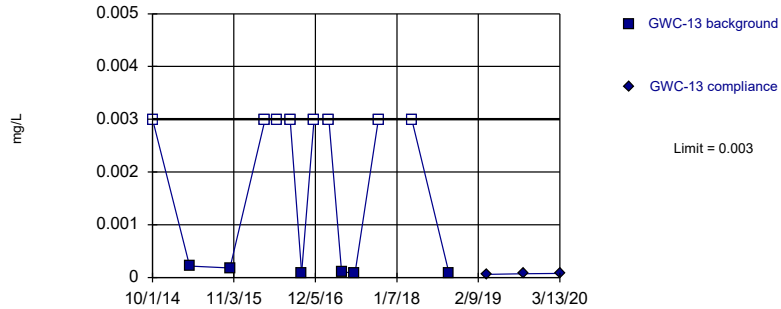


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 4/14/2020 10:23 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

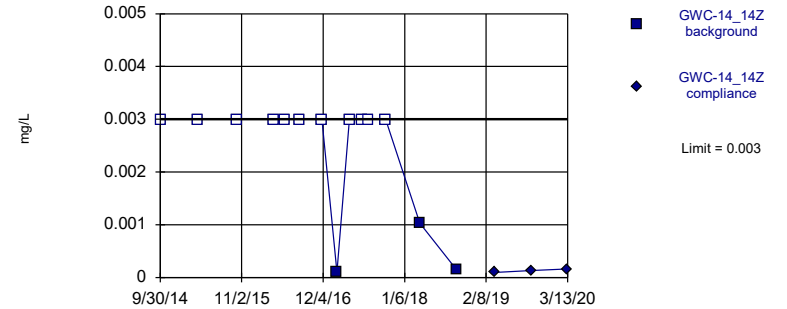


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	0.043	
11/1/2007	0.032	
11/19/2007	0.049 (J)	
1/15/2008	0.12 (o)	
3/6/2008	0.075 (o)	
5/13/2008	0.055	
12/12/2008	0.16 (o)	
4/16/2009	0.15 (o)	
10/13/2009	0.05	
4/21/2010	0.039	
9/29/2010	0.033	
4/13/2011	0.033	
10/5/2011	0.035	
4/4/2012	0.0422	
10/8/2012	0.029	
4/8/2013	0.042	
10/9/2013	0.04	
4/9/2014	0.038	
9/30/2014	0.038	
4/2/2015	0.039	
10/10/2015	0.038 (D)	
3/30/2016	0.0412	
5/26/2016	0.0357	
8/5/2016	0.03	
9/28/2016	0.0308	
11/21/2016	0.0356 (J)	
2/6/2017	0.0391	
4/6/2017	0.0402	
6/13/2017	0.0394	
10/3/2017	0.0381	
3/20/2018	0.039	
9/18/2018	0.037	
3/21/2019		0.042
9/16/2019		0.035
3/12/2020		0.044

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
10/2/2014	<0.003	
4/2/2015	0.00015 (J)	
10/10/2015	8.5E-05 (J)	
3/31/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/20/2018	0.00019 (J)	
9/18/2018	5.4E-05 (J)	
3/22/2019		0.00018 (J)
9/17/2019		<0.003
3/12/2020		0.00017 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
10/1/2014	<0.003	
4/1/2015	0.00022 (J)	
10/15/2015	0.00018 (J)	
4/4/2016	<0.003	
5/31/2016	<0.003	
8/4/2016	<0.003	
9/29/2016	9E-05 (J)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/12/2017	0.0001 (J)	
6/16/2017	9E-05 (J)	
10/9/2017	<0.003	
3/21/2018	<0.003	
9/19/2018	7E-05 (J)	
3/23/2019		6.1E-05 (J)
9/18/2019		7.4E-05 (J)
3/13/2020		8E-05 (J)

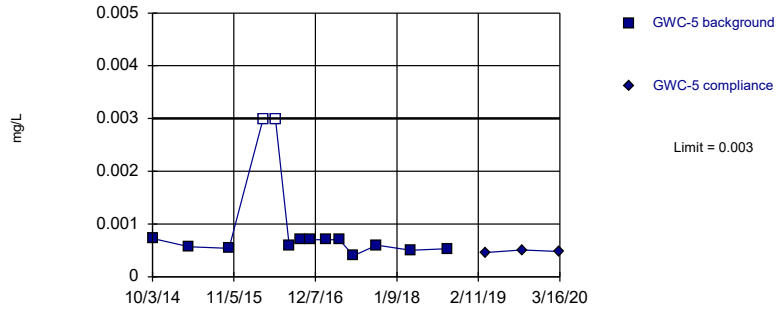
Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
9/30/2014	<0.003	
4/3/2015	<0.003	
10/7/2015	<0.003	
4/5/2016	<0.003	
6/1/2016	<0.003	
8/9/2016	<0.003	
11/28/2016	<0.003	
2/9/2017	0.0001 (J)	
4/11/2017	<0.003	
6/14/2017	<0.003	
7/12/2017	<0.003	
10/5/2017	<0.003	
3/22/2018	0.00103 (D)	
9/19/2018	0.00014 (J)	
3/22/2019		9.4E-05 (J)
9/17/2019		0.00013 (X)
3/13/2020		0.00016 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

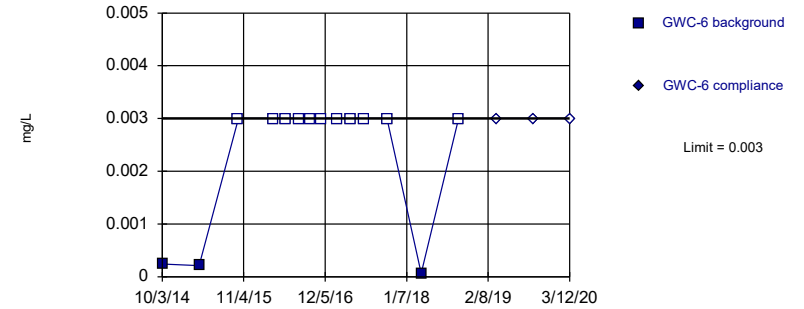


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 14.29% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

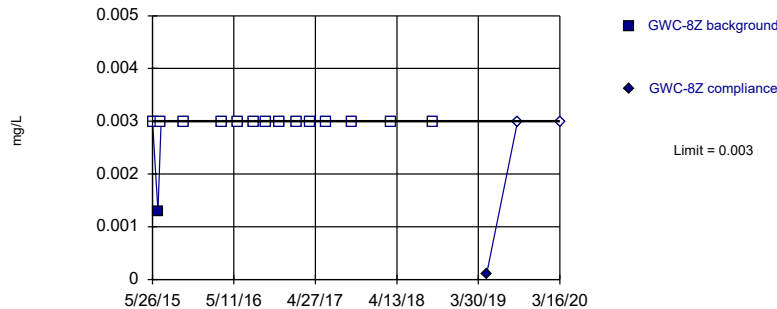


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

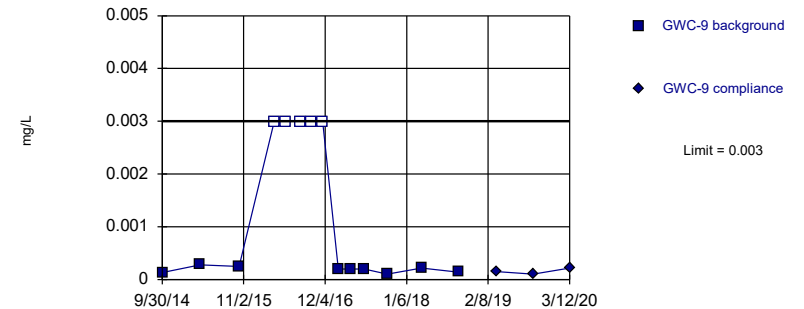


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Beryllium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 35.71% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
10/3/2014	0.00073 (J)	
3/31/2015	0.00057 (J)	
10/12/2015	0.00054 (J)	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	0.0006 (J)	
9/27/2016	0.0007 (J)	
11/11/2016	0.0007 (J)	
1/31/2017	0.0007 (J)	
4/3/2017	0.0007 (J)	
6/12/2017	0.0004 (J)	
10/3/2017	0.0006 (J)	
3/19/2018	0.0005 (J)	
9/17/2018	0.00053 (J)	
3/20/2019		0.00046 (J)
9/16/2019		0.00051 (J)
3/16/2020		0.00048 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
10/3/2014	0.00024 (J)	
4/1/2015	0.00021 (J)	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	6.6E-05 (J)	
9/17/2018	<0.003	
3/21/2019		<0.003
9/16/2019		<0.003
3/12/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.003	
6/18/2015	0.0013 (D)	
7/2/2015	<0.003	
10/8/2015	<0.003	
3/22/2016	<0.003	
5/25/2016	<0.003	
8/2/2016	<0.003	
9/26/2016	<0.003	
11/21/2016	<0.003	
2/3/2017	<0.003	
4/7/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
5/6/2019		0.0001 (J)
9/16/2019		<0.003
3/16/2020		<0.003

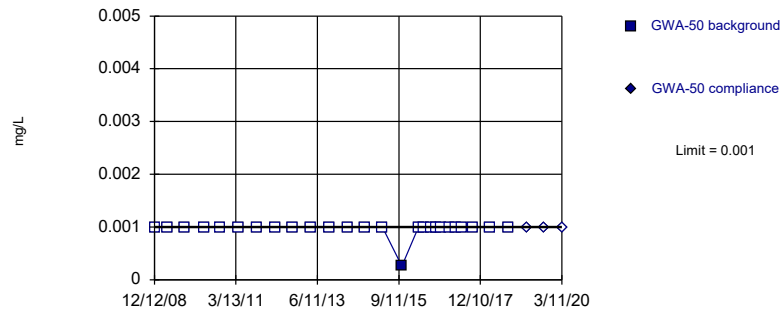
Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
9/30/2014	0.00013 (J)	
4/2/2015	0.00028 (J)	
10/10/2015	0.000245 (JD)	
3/30/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/21/2016	<0.003	
2/6/2017	0.0002 (J)	
4/6/2017	0.0002 (J)	
6/13/2017	0.0002 (J)	
10/3/2017	0.0001 (J)	
3/20/2018	0.00022 (J)	
9/18/2018	0.00014 (JD)	
3/21/2019		0.00015 (J)
9/16/2019		0.0001 (J)
3/12/2020		0.00022 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

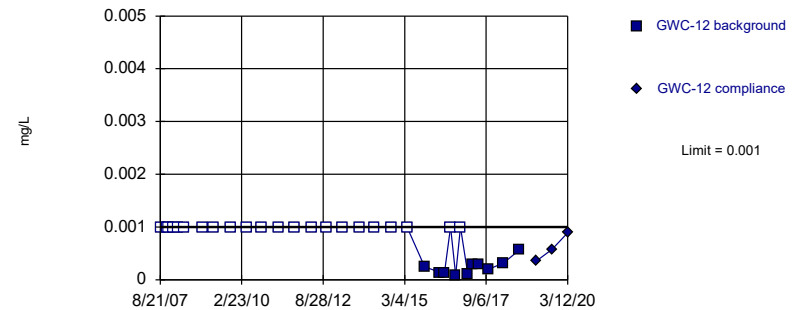


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Cadmium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

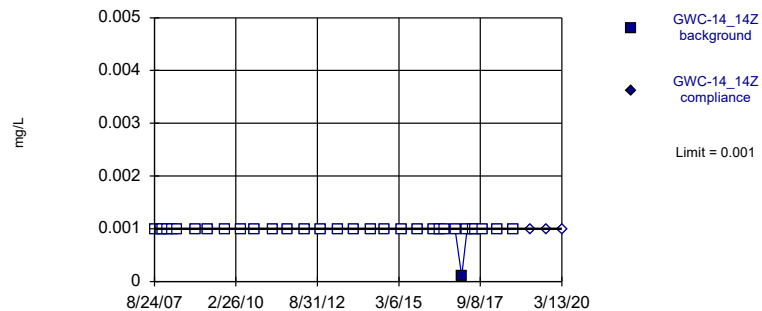


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

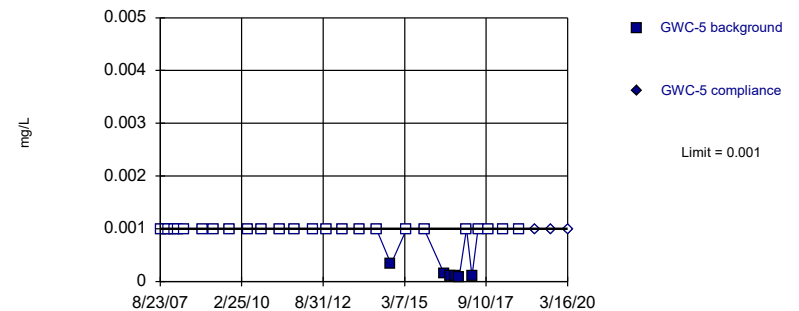


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 80.65% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Cadmium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.001	
4/23/2009	<0.001	
10/6/2009	<0.001	
4/27/2010	<0.001	
9/30/2010	<0.001	
4/14/2011	<0.001	
10/5/2011	<0.001	
4/11/2012	<0.001	
10/2/2012	<0.001	
4/9/2013	<0.001	
10/15/2013	<0.001	
4/10/2014	<0.001	
10/1/2014	<0.001	
3/30/2015	<0.001	
10/11/2015	0.00026 (J)	
3/28/2016	<0.001	
5/23/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/10/2016	<0.001	
1/30/2017	<0.001	
4/7/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/17/2018	<0.001	
3/19/2019		<0.001
9/13/2019		<0.001
3/11/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/16/2008	<0.001	
3/5/2008	<0.001	
5/13/2008	<0.001	
12/13/2008	<0.001	
4/16/2009	<0.001	
10/21/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/24/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/9/2013	<0.001	
4/1/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/14/2015	0.00025 (J)	
4/4/2016	0.000136 (J)	
5/27/2016	0.000131 (J)	
8/3/2016	<0.001	
9/30/2016	9E-05 (J)	
11/22/2016	<0.001	
2/13/2017	0.0001 (J)	
4/11/2017	0.0003 (J)	
6/14/2017	0.0003 (J)	
10/4/2017	0.0002 (J)	
3/22/2018	0.00032 (J)	
9/18/2018	0.00057 (J)	
3/23/2019		0.00035 (J)
9/17/2019		0.000575 (JD)
3/12/2020		0.00089 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/16/2009	<0.001	
10/20/2009	<0.001	
4/20/2010	<0.001	
9/29/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	<0.001	
4/5/2016	<0.001	
6/1/2016	<0.001	
8/9/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	0.0001 (J)	
4/11/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
9/19/2018	<0.001	
3/22/2019		<0.001
9/17/2019		<0.001
3/13/2020		<0.001

Prediction Limit

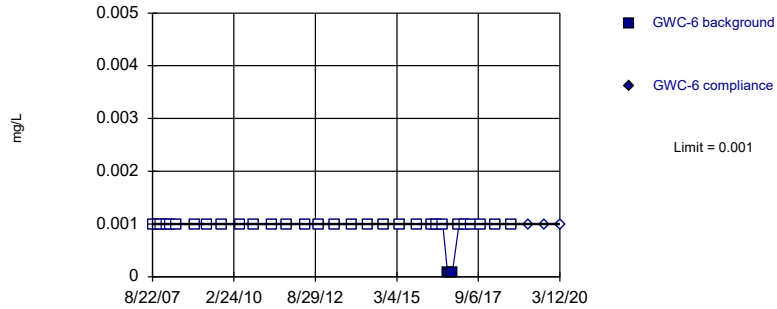
Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.001	
10/25/2007	<0.001	
11/19/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/12/2008	<0.001	
12/11/2008	<0.001	
4/15/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/12/2010	<0.001	
4/28/2011	<0.001	
10/19/2011	<0.001	
5/2/2012	<0.001	
10/9/2012	<0.001	
4/11/2013	<0.001	
10/16/2013	<0.001	
4/23/2014	<0.001	
10/3/2014	0.00033 (J)	
3/31/2015	<0.001	
10/12/2015	<0.001	
3/28/2016	0.00104 (o)	
5/25/2016	0.000148 (J)	
8/1/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/11/2016	9E-05 (J)	
1/31/2017	<0.001	
4/3/2017	0.0001 (J)	
6/12/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019		<0.001
9/16/2019		<0.001
3/16/2020		<0.001

Within Limit

Prediction Limit
Intrawell Non-parametric

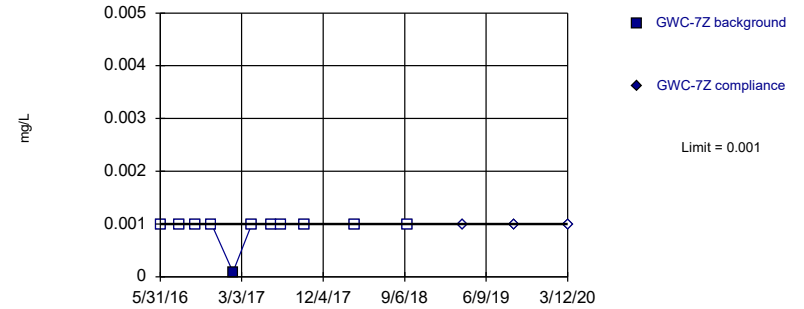


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

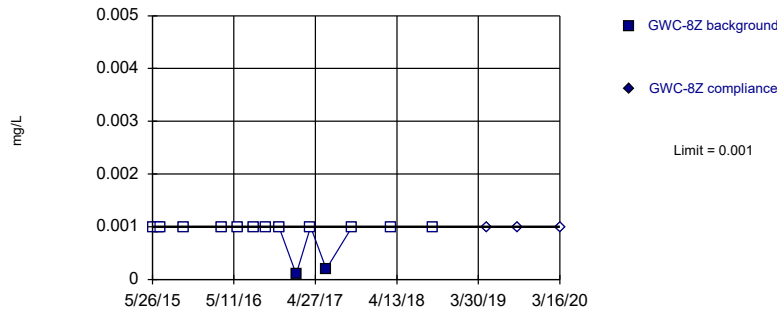


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

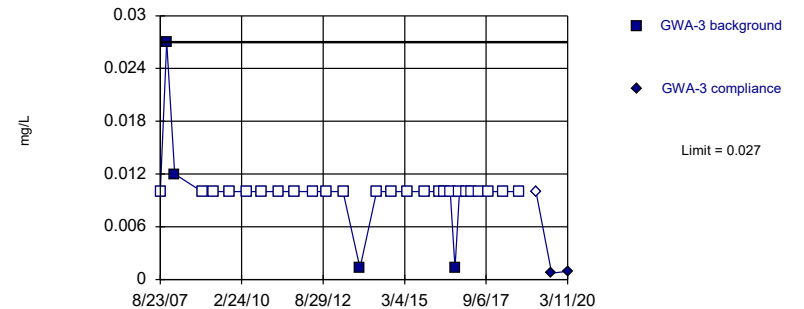


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cadmium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.0004147. Individual comparison alpha = 0.0002074 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.001	
10/25/2007	<0.001	
11/20/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/14/2008	<0.001	
12/11/2008	<0.001	
4/23/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/11/2010	<0.001	
4/26/2011	<0.001	
10/18/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/10/2013	<0.001	
10/8/2013	<0.001	
4/14/2014	<0.001	
10/3/2014	<0.001	
4/1/2015	<0.001	
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	8E-05 (J)	
11/18/2016	8E-05 (J)	
2/1/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019		<0.001
9/16/2019		<0.001
3/12/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/21/2016	<0.001	
2/1/2017	9E-05 (J)	
4/6/2017	<0.001	
6/13/2017	<0.001	
7/14/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/21/2019		<0.001
9/13/2019		<0.001
3/12/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.001	
6/18/2015	<0.001 (D)	
7/2/2015	<0.001	
10/8/2015	<0.001	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	<0.001	
9/26/2016	<0.001	
11/21/2016	<0.001	
2/3/2017	0.0001 (J)	
4/7/2017	<0.001	
6/13/2017	0.0002 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
5/6/2019		<0.001
9/16/2019		<0.001
3/16/2020		<0.001

Prediction Limit

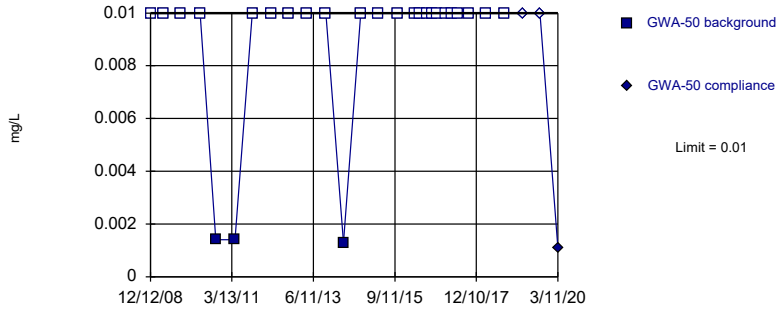
Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.01	
11/2/2007	0.027	
11/18/2007	0.17 (o)	
1/31/2008	0.012	
3/11/2008	0.063 (o)	
5/14/2008	0.057 (o)	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	0.0013	
4/23/2014	<0.01	
10/4/2014	<0.01	
3/31/2015	<0.01	
10/12/2015	<0.01	
3/23/2016	<0.01	
5/23/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	0.0013 (J)	
11/10/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/13/2019		0.00073 (J)
3/11/2020		0.00095 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

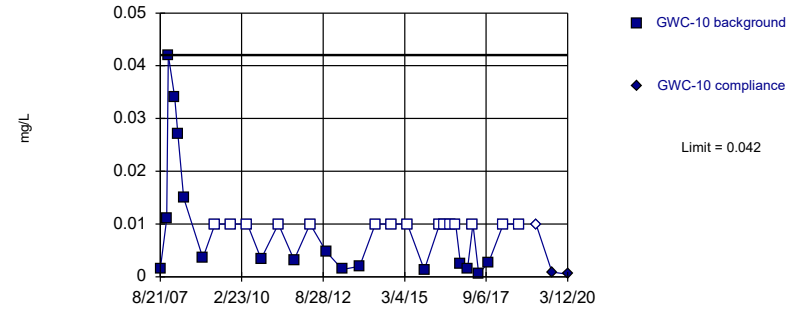


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

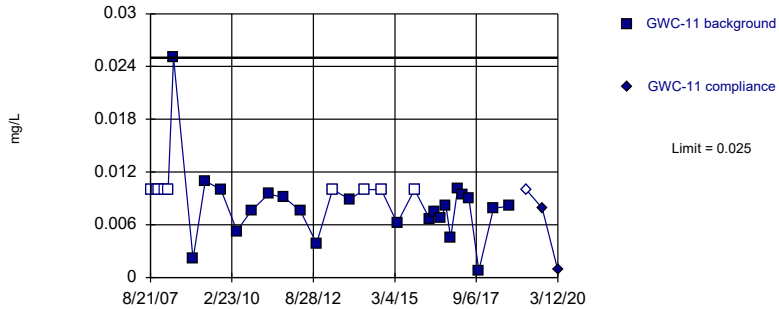


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 46.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

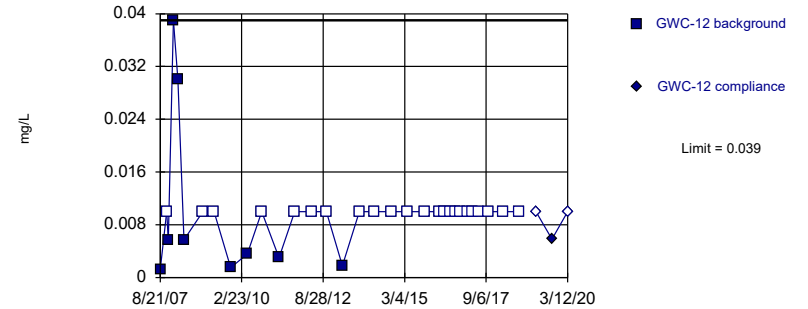


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 28.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.01	
4/23/2009	<0.01	
10/6/2009	<0.01	
4/27/2010	<0.01	
9/30/2010	0.0014	
4/14/2011	0.0014	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/2/2012	<0.01	
4/9/2013	<0.01	
10/15/2013	<0.01	
4/10/2014	0.0013 (J)	
10/1/2014	<0.01	
3/30/2015	<0.01	
10/11/2015	<0.01	
3/28/2016	<0.01	
5/23/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/10/2016	<0.01	
1/30/2017	<0.01	
4/7/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01
9/13/2019		<0.01
3/11/2020		0.0011 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.0015	
11/1/2007	0.011	
11/20/2007	0.042	
1/30/2008	0.034	
3/6/2008	0.027	
5/12/2008	0.015	
12/13/2008	0.0036	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	0.0034	
4/13/2011	<0.01	
10/5/2011	0.0032	
4/4/2012	<0.01	
10/3/2012	0.0047	
4/3/2013	0.0014	
10/15/2013	0.002	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.0013	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	0.0024 (J)	
2/7/2017	0.0015 (J)	
4/10/2017	<0.01	
6/14/2017	0.0006 (J)	
10/4/2017	0.0027 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.0009 (J)
3/12/2020		0.00047 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.025	
12/14/2008	0.0021	
4/29/2009	0.011	
10/22/2009	0.01	
4/21/2010	0.0053	
9/28/2010	0.0076	
4/12/2011	0.0095	
10/4/2011	0.0091	
4/3/2012	0.0076	
10/3/2012	0.0039	
4/3/2013	<0.01	
10/9/2013	0.0089	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	0.0062	
10/11/2015	<0.01	
4/4/2016	0.00656 (J)	
5/26/2016	0.00752 (J)	
8/3/2016	0.0067 (J)	
9/28/2016	0.0082 (J)	
11/22/2016	0.0045 (J)	
2/8/2017	0.0101	
4/10/2017	0.0094 (J)	
6/15/2017	0.009 (J)	
10/4/2017	0.0008 (J)	
3/21/2018	0.0079 (J)	
9/18/2018	0.0081 (J)	
3/23/2019		<0.01
9/17/2019		0.0079 (J)
3/12/2020		0.00084 (J)

Prediction Limit

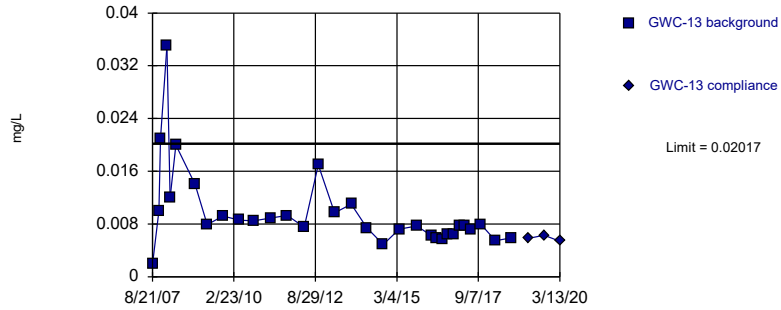
Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.0013	
11/1/2007	<0.01	
11/19/2007	0.0056	
1/16/2008	0.039	
3/5/2008	0.03	
5/13/2008	0.0057	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	0.0015	
4/27/2010	0.0036	
10/5/2010	<0.01	
4/19/2011	0.003	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.0018	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
5/27/2016	<0.01	
8/3/2016	<0.01	
9/30/2016	<0.01	
11/22/2016	<0.01	
2/13/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		0.0058 (D)
3/12/2020		<0.01

Within Limit

Prediction Limit
Intrawell Parametric

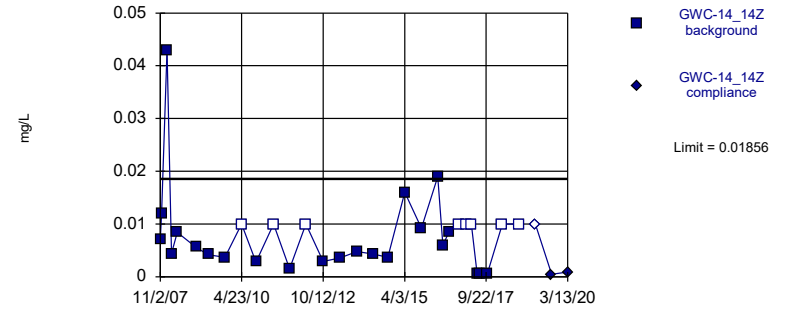


Background Data Summary (based on natural log transformation): Mean=-4.769, Std. Dev.=0.511, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9189, critical = 0.904. Kappa = 1.694 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

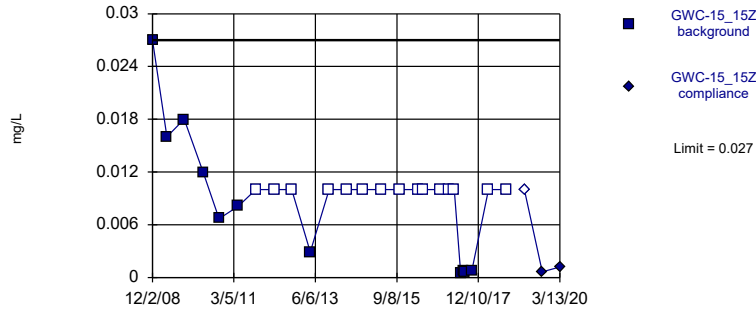


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07182, Std. Dev.=0.03787, n=31, 25.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9098, critical = 0.902. Kappa = 1.701 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

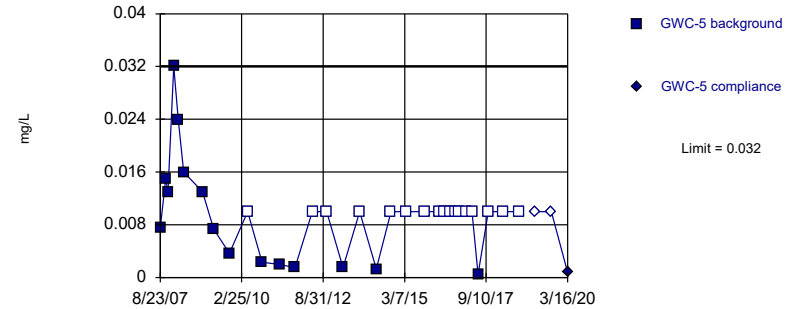


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.0019	
11/1/2007	0.01	
11/19/2007	0.021	
1/31/2008	0.035	
3/5/2008	0.012	
5/12/2008	0.02	
12/13/2008	0.014	
4/28/2009	0.0079	
10/21/2009	0.0092	
4/28/2010	0.0086	
10/5/2010	0.0085	
4/19/2011	0.0089	
10/18/2011	0.0093	
4/25/2012	0.0075	
10/2/2012	0.017	
4/2/2013	0.0097	
10/8/2013	0.011	
4/1/2014	0.0074	
10/1/2014	0.0049	
4/1/2015	0.0072	
10/15/2015	0.0077	
4/4/2016	0.00615 (J)	
5/31/2016	0.00588 (J)	
8/4/2016	0.0056 (J)	
9/29/2016	0.0065 (J)	
11/28/2016	0.0064 (J)	
2/9/2017	0.0078 (J)	
4/12/2017	0.0077 (J)	
6/16/2017	0.0072 (J)	
10/9/2017	0.0079 (J)	
3/21/2018	0.0055 (J)	
9/19/2018	0.0059 (J)	
3/23/2019		0.0058 (J)
9/18/2019		0.0063 (J)
3/13/2020		0.0054 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
11/2/2007	0.0071	
11/17/2007	0.012	
1/15/2008	0.043	
3/5/2008	0.0044	
5/7/2008	0.0084	
12/2/2008	0.0056	
4/16/2009	0.0042	
10/20/2009	0.0037	
4/20/2010	<0.01	
9/29/2010	0.0028	
4/12/2011	<0.01	
10/4/2011	0.0015	
4/4/2012	<0.01	
10/10/2012	0.0029	
4/15/2013	0.0036	
10/22/2013	0.0048	
4/21/2014	0.0043	
9/30/2014	0.0037	
4/3/2015	0.016	
10/7/2015	0.0092	
4/5/2016	0.019 (J)	
6/1/2016	0.006 (J)	
8/9/2016	0.0086 (JD)	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	0.0006 (J)	
7/12/2017	0.0005 (J)	
10/5/2017	0.0006 (J)	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.00046 (X)
3/13/2020		0.00093 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.061 (o)	
11/2/2007	0.078 (o)	
11/18/2007	0.085 (o)	
1/15/2008	0.079 (o)	
3/10/2008	0.062 (o)	
5/13/2008	0.044 (o)	
12/2/2008	0.027	
4/28/2009	0.016	
10/20/2009	0.018	
4/27/2010	0.012	
10/5/2010	0.0067	
4/19/2011	0.0081	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	0.0029	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/6/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/11/2017	<0.01	
6/15/2017	0.0005 (J)	
7/12/2017	0.0008 (J)	
7/26/2017	0.0006 (J)	
10/6/2017	0.0008 (J)	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.00064 (X)
3/13/2020		0.0012 (J)

Prediction Limit

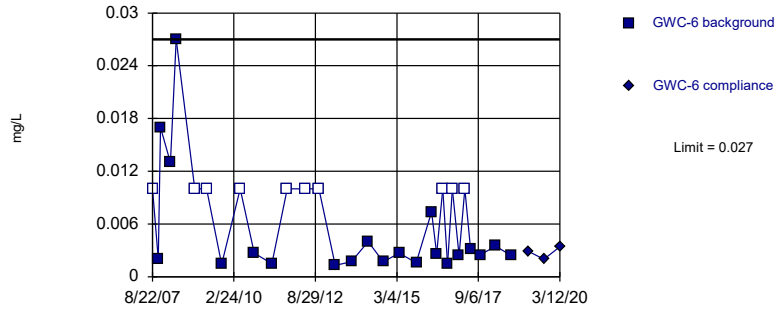
Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0076	
10/25/2007	0.015	
11/19/2007	0.013	
1/23/2008	0.032	
3/11/2008	0.024	
5/12/2008	0.016	
12/11/2008	0.013	
4/15/2009	0.0073	
10/9/2009	0.0037	
5/4/2010	<0.01	
10/12/2010	0.0023	
4/28/2011	0.002	
10/19/2011	0.0015	
5/2/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	0.0015	
10/16/2013	<0.01	
4/23/2014	0.0013 (J)	
10/3/2014	<0.01	
3/31/2015	<0.01	
10/12/2015	<0.01	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/27/2016	<0.01	
11/11/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	0.0005 (J)	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/16/2019		<0.01
3/16/2020		0.00078 (J)

Within Limit

Prediction Limit
 Intrawell Non-parametric

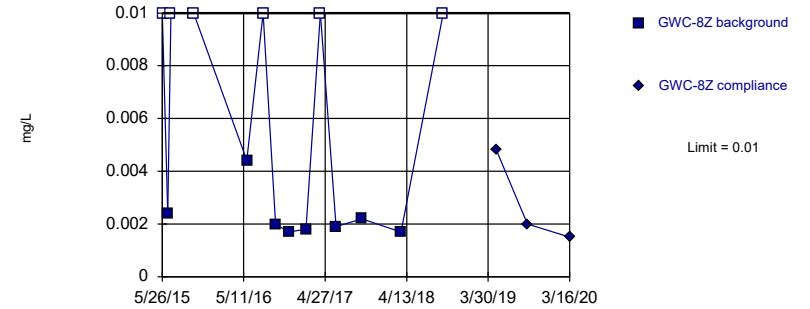


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

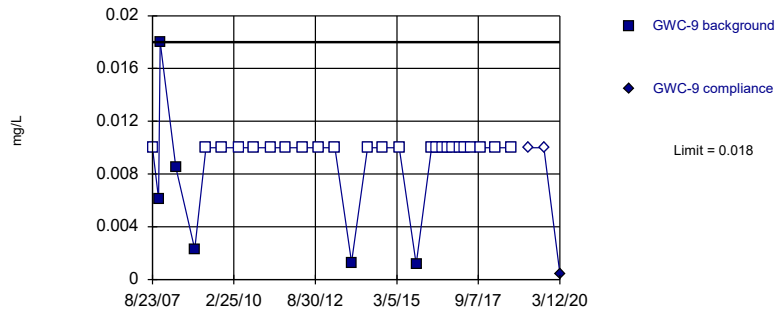


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

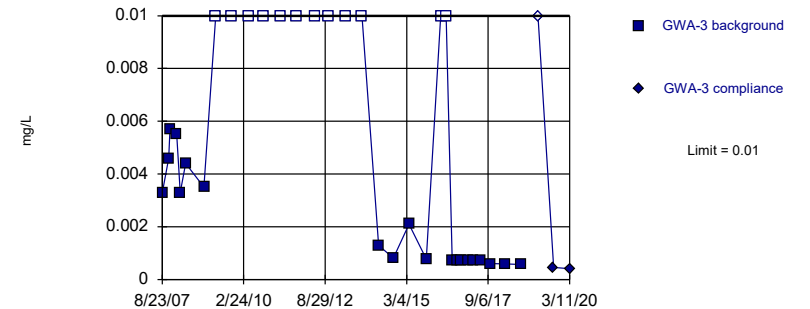


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 80% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Chromium Analysis Run 4/14/2020 10:24 AM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.002	
11/20/2007	0.017	
1/23/2008	0.064 (o)	
3/11/2008	0.013	
5/14/2008	0.027	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0014	
5/4/2010	<0.01	
10/11/2010	0.0027	
4/26/2011	0.0015	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	0.0013	
10/8/2013	0.0017	
4/14/2014	0.004	
10/3/2014	0.0017	
4/1/2015	0.0027	
10/9/2015	0.0016	
3/29/2016	0.00738 (J)	
5/24/2016	0.00263 (J)	
8/1/2016	<0.01	
9/26/2016	0.0014 (J)	
11/18/2016	<0.01	
2/1/2017	0.0024 (J)	
4/6/2017	<0.01	
6/13/2017	0.0031 (J)	
10/3/2017	0.0025 (J)	
3/19/2018	0.0035 (J)	
9/17/2018	0.0024 (J)	
3/21/2019		0.0029 (J)
9/16/2019		0.002 (J)
3/12/2020		0.0034 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.01	
6/18/2015	0.0024 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	0.048 (o)	
5/25/2016	0.00441 (J)	
8/2/2016	<0.01	
9/26/2016	0.002 (J)	
11/21/2016	0.0017 (J)	
2/3/2017	0.0018 (J)	
4/7/2017	<0.01	
6/13/2017	0.0019 (J)	
10/3/2017	0.0022 (J)	
3/20/2018	0.0017 (J)	
9/18/2018	<0.01	
5/6/2019		0.0048 (J)
9/16/2019		0.002 (J)
3/16/2020		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	0.0061	
11/19/2007	0.018 (J)	
1/15/2008	0.078 (o)	
3/6/2008	0.054 (o)	
5/13/2008	0.0085	
12/12/2008	0.0023	
4/16/2009	<0.01	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0013	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.00115 (D)	
3/30/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		0.00045 (J)

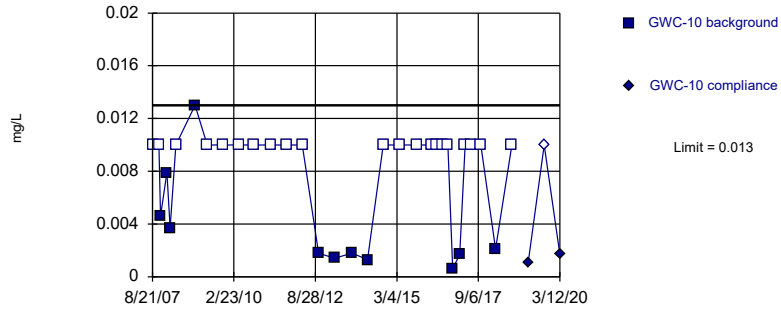
Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.0033	
11/2/2007	0.0046	
11/18/2007	0.0057	
1/31/2008	0.0055	
3/11/2008	0.0033	
5/14/2008	0.0044	
12/5/2008	0.0035	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	0.0013 (J)	
10/4/2014	0.00081 (J)	
3/31/2015	0.0021	
10/12/2015	0.00078 (J)	
3/23/2016	<0.01	
5/23/2016	<0.01	
7/29/2016	0.0007 (J)	
9/22/2016	0.0007 (J)	
11/10/2016	0.0007 (J)	
1/31/2017	0.0007 (J)	
3/30/2017	0.0007 (J)	
6/12/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/19/2018	0.00059 (J)	
9/17/2018	0.00057 (J)	
3/20/2019		<0.01
9/13/2019		0.00046 (J)
3/11/2020		0.00041 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

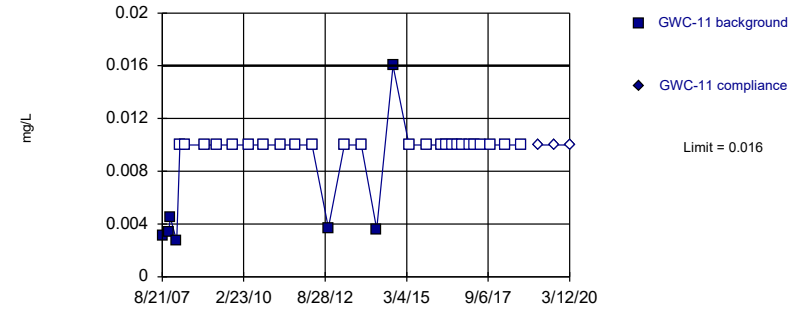


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 65.63% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

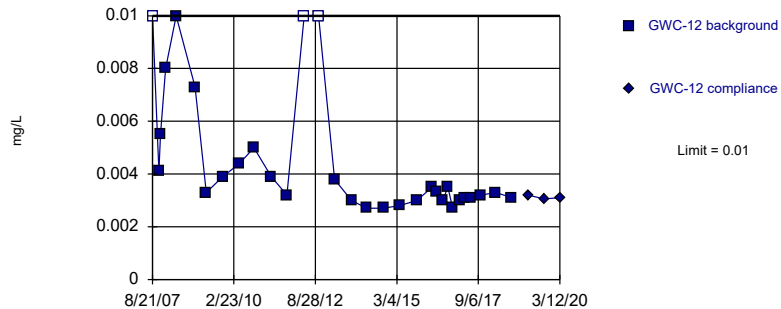


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

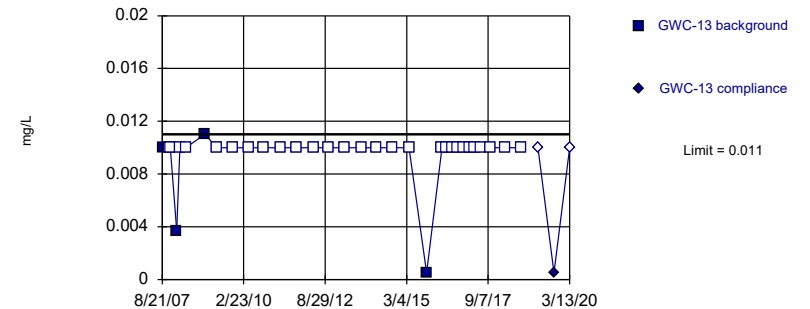


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 9.677% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	<0.01	
11/20/2007	0.0046	
1/30/2008	0.0079	
3/6/2008	0.0037	
5/12/2008	<0.01	
12/13/2008	0.013	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	0.0018	
4/3/2013	0.0014	
10/15/2013	0.0018	
4/9/2014	0.0013 (J)	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	0.0006 (J)	
2/7/2017	0.0017 (J)	
4/10/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	0.0021 (J)	
9/18/2018	<0.01	
3/22/2019		0.0011 (J)
9/17/2019		<0.01
3/12/2020		0.0017 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	0.0031	
11/1/2007	0.0034	
11/18/2007	0.0045	
1/30/2008	0.0027	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	0.0037	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.0036	
10/2/2014	0.016	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/8/2017	<0.01	
4/10/2017	<0.01	
6/15/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	0.0041	
11/19/2007	0.0055	
1/16/2008	0.008	
3/5/2008	0.98 (o)	
5/13/2008	0.01	
12/13/2008	0.0073	
4/16/2009	0.0033	
10/21/2009	0.0039	
4/27/2010	0.0044	
10/5/2010	0.005	
4/19/2011	0.0039	
10/12/2011	0.0032	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.0038	
10/9/2013	0.003	
4/1/2014	0.0027	
10/2/2014	0.0027	
4/1/2015	0.0028	
10/14/2015	0.003	
4/4/2016	0.00351 (J)	
5/27/2016	0.00332 (J)	
8/3/2016	0.003 (J)	
9/30/2016	0.0035 (J)	
11/22/2016	0.0027 (J)	
2/13/2017	0.003 (J)	
4/11/2017	0.0031 (J)	
6/14/2017	0.0031 (J)	
10/4/2017	0.0032 (J)	
3/22/2018	0.0033 (J)	
9/18/2018	0.0031 (J)	
3/23/2019		0.0032 (J)
9/17/2019		0.00305 (D)
3/12/2020		0.0031 (J)

Prediction Limit

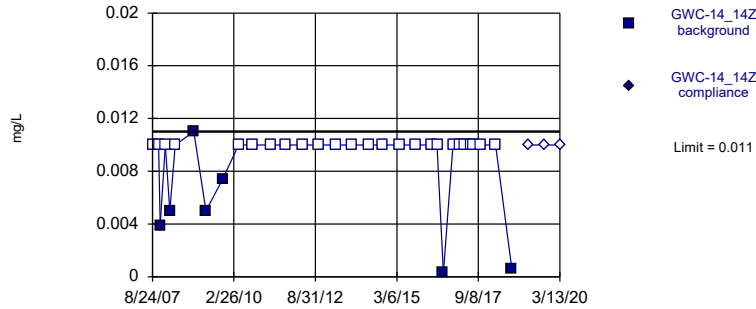
Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	0.0037	
3/5/2008	<0.01	
5/12/2008	<0.01	
12/13/2008	0.011	
4/28/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/18/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
4/1/2015	<0.01	
10/15/2015	0.00051 (J)	
4/4/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/12/2017	<0.01	
6/16/2017	<0.01	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		<0.01
9/18/2019		0.0005 (J)
3/13/2020		<0.01

Within Limit

Prediction Limit Intrawell Non-parametric

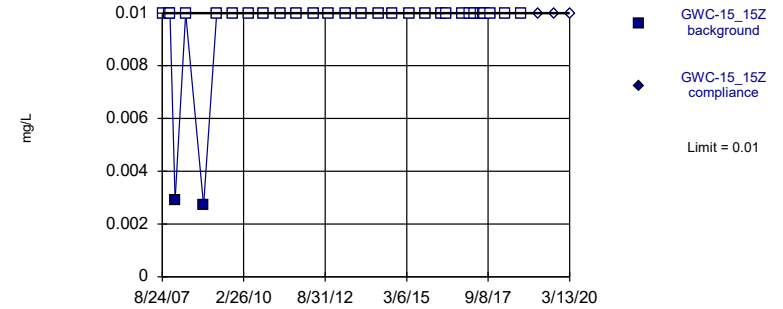


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

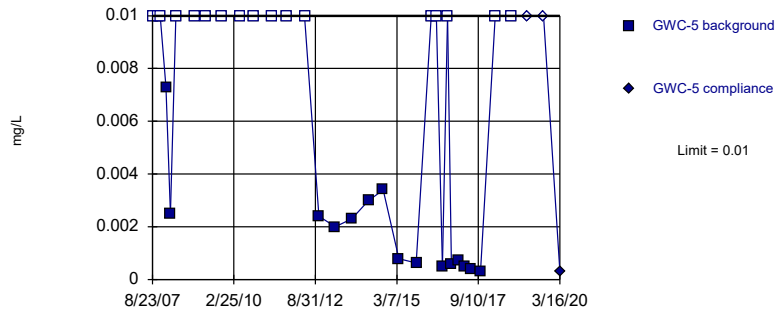


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

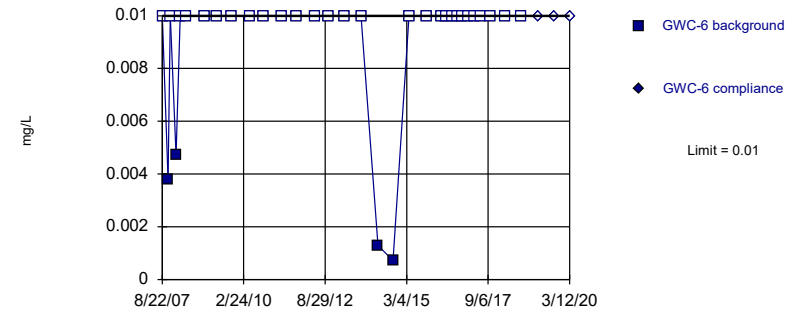


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	0.0039	
1/15/2008	<0.01	
3/5/2008	0.005	
5/7/2008	<0.01	
12/2/2008	0.011	
4/16/2009	0.005	
10/20/2009	0.0074	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
6/1/2016	<0.01	
8/9/2016	0.0003 (J)	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
7/12/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	0.00058 (J)	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	<0.01	
1/15/2008	0.0029	
3/10/2008	0.069 (o)	
5/13/2008	<0.01	
12/2/2008	0.0027	
4/28/2009	<0.01	
10/20/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/6/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/11/2017	<0.01	
6/15/2017	<0.01	
7/12/2017	<0.01	
7/26/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.01	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	0.0073	
3/11/2008	0.0025	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	0.0024	
4/11/2013	0.002	
10/16/2013	0.0023	
4/23/2014	0.003	
10/3/2014	0.0034	
3/31/2015	0.00079 (J)	
10/12/2015	0.00063 (J)	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	0.0005 (J)	
9/27/2016	<0.01	
11/11/2016	0.0006 (J)	
1/31/2017	0.0007 (J)	
4/3/2017	0.0005 (J)	
6/12/2017	0.0004 (J)	
10/3/2017	0.0003 (J)	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/16/2019		<0.01
3/16/2020		0.00031 (J)

Prediction Limit

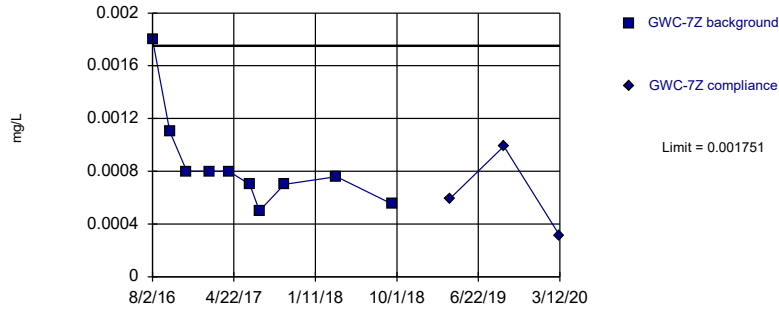
Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.0038	
11/20/2007	<0.01	
1/23/2008	0.0047	
3/11/2008	<0.01	
5/14/2008	<0.01	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/11/2010	<0.01	
4/26/2011	<0.01	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	<0.01	
4/14/2014	0.0013 (J)	
10/3/2014	0.00071 (J)	
4/1/2015	<0.01	
10/9/2015	<0.01	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/18/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01

Within Limit

Prediction Limit
Intrawell Parametric

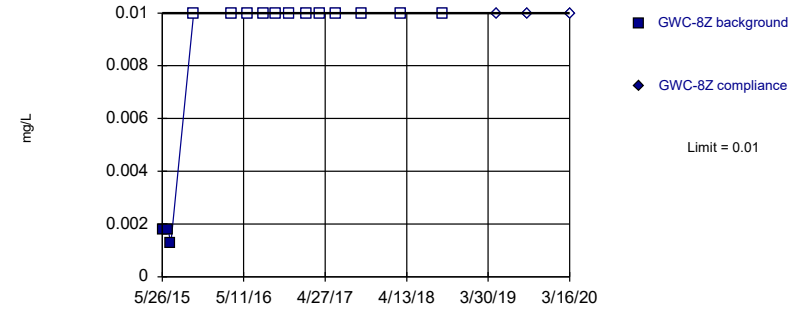


Background Data Summary (based on square root transformation): Mean=0.02867, Std. Dev.=0.005656, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8189, critical = 0.781. Kappa = 2.329 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

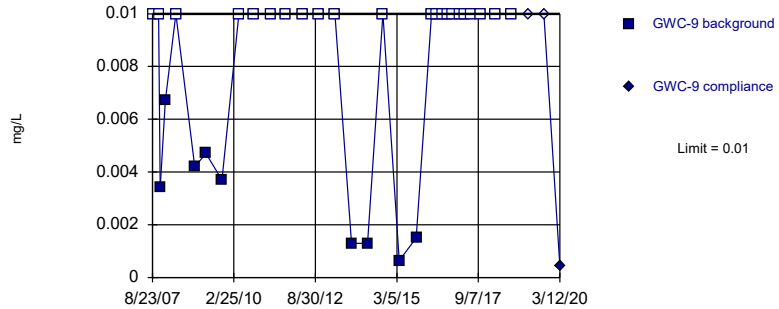


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

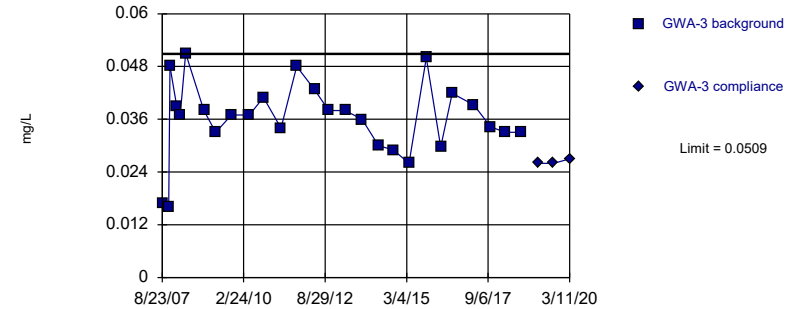


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 70.97% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Cobalt Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.03618, Std. Dev.=0.008473, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.01 (o)	
8/2/2016	0.0018 (J)	
9/27/2016	0.0011 (J)	
11/21/2016	0.0008 (J)	
2/1/2017	0.0008 (J)	
4/6/2017	0.0008 (J)	
6/13/2017	0.0007 (J)	
7/14/2017	0.0005 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00076 (J)	
9/18/2018	0.00055 (J)	
3/21/2019		0.00059 (J)
9/13/2019		0.00099 (J)
3/12/2020		0.00031 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.0018	
6/18/2015	0.0018 (D)	
7/2/2015	0.0013	
10/8/2015	<0.01	
3/22/2016	<0.01	
5/25/2016	<0.01	
8/2/2016	<0.01	
9/26/2016	<0.01	
11/21/2016	<0.01	
2/3/2017	<0.01	
4/7/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01
9/16/2019		<0.01
3/16/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0034	
1/15/2008	0.0067	
3/6/2008	0.13 (o)	
5/13/2008	<0.01	
12/12/2008	0.0042	
4/16/2009	0.0047	
10/13/2009	0.0037	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0013	
4/9/2014	0.0013 (J)	
9/30/2014	<0.01	
4/2/2015	0.00064 (J)	
10/10/2015	0.0015 (D)	
3/30/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		0.00044 (J)

Prediction Limit

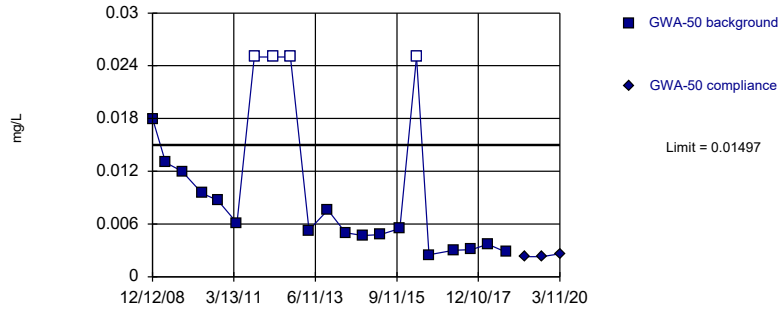
Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.017	
11/2/2007	0.016	
11/18/2007	0.048	
1/31/2008	0.039	
3/11/2008	0.037	
5/14/2008	0.051	
12/5/2008	0.038	
4/15/2009	0.033	
10/8/2009	0.037	
4/28/2010	0.037	
10/6/2010	0.041	
4/21/2011	0.034	
10/13/2011	0.048	
5/1/2012	0.0427	
10/9/2012	0.038	
4/11/2013	0.038	
10/16/2013	0.036	
4/23/2014	0.03	
10/4/2014	0.029	
3/31/2015	0.026	
10/12/2015	0.05	
3/23/2016	0.0297	
7/29/2016	0.0419	
3/30/2017	0.0392	
10/4/2017	0.0343	
3/19/2018	0.033	
9/17/2018	0.033	
3/20/2019		0.026
9/13/2019		0.026
3/11/2020		0.027

Within Limit

Prediction Limit
Intrawell Parametric

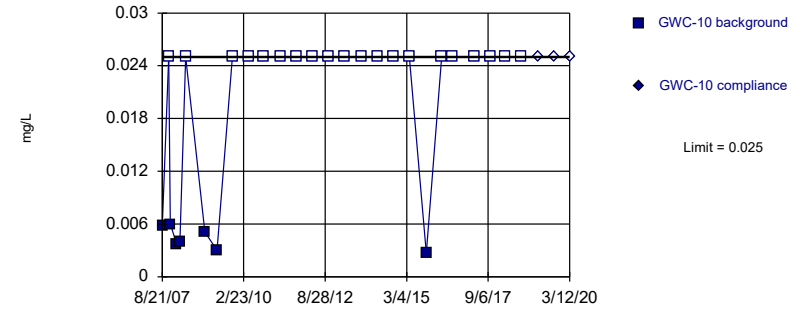


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1825, Std. Dev.=0.03515, n=21, 19.05% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.883, critical = 0.873. Kappa = 1.82 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

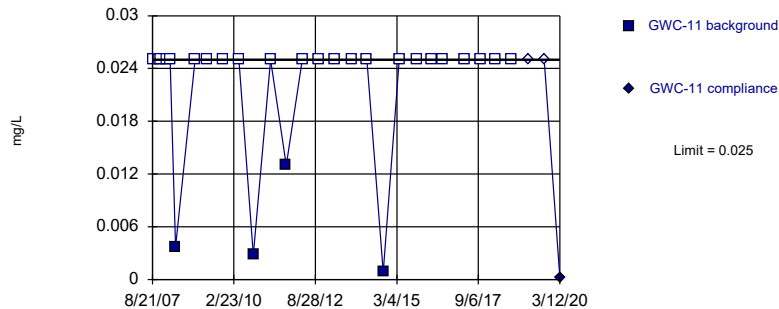


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

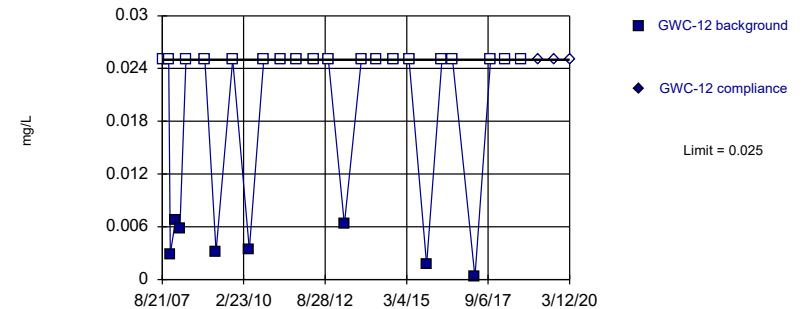


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.018	
4/23/2009	0.013	
10/6/2009	0.012	
4/27/2010	0.0095	
9/30/2010	0.0087	
4/14/2011	0.0061	
10/5/2011	<0.025	
4/11/2012	<0.025	
10/2/2012	<0.025	
4/9/2013	0.0053	
10/15/2013	0.0076	
4/10/2014	0.005	
10/1/2014	0.0047 (J)	
3/30/2015	0.0048 (J)	
10/11/2015	0.0055	
3/28/2016	<0.025	
8/1/2016	0.0025 (J)	
4/7/2017	0.003 (J)	
10/2/2017	0.0031 (J)	
3/16/2018	0.0037 (J)	
9/17/2018	0.0028 (J)	
3/19/2019		0.0023 (J)
9/13/2019		0.0023 (J)
3/11/2020		0.0026 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.0058	
11/1/2007	<0.025	
11/20/2007	0.006	
1/30/2008	0.0037	
3/6/2008	0.004	
5/12/2008	<0.025	
12/13/2008	0.0051	
4/29/2009	0.003	
10/20/2009	<0.025	
4/26/2010	<0.025	
9/29/2010	<0.025	
4/13/2011	<0.025	
10/5/2011	<0.025	
4/4/2012	<0.025	
10/3/2012	<0.025	
4/3/2013	<0.025	
10/15/2013	<0.025	
4/9/2014	<0.025	
10/2/2014	<0.025	
4/2/2015	<0.025	
10/10/2015	0.0027 (J)	
3/31/2016	<0.025	
8/5/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/20/2018	<0.025	
9/18/2018	<0.025	
3/22/2019		<0.025
9/17/2019		<0.025
3/12/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.025	
11/1/2007	<0.025	
11/18/2007	<0.025	
1/30/2008	<0.025	
3/5/2008	<0.025	
5/7/2008	0.0037	
12/14/2008	<0.025	
4/29/2009	<0.025	
10/22/2009	<0.025	
4/21/2010	<0.025	
9/28/2010	0.0028	
4/12/2011	<0.025	
10/4/2011	0.013	
4/3/2012	<0.025	
10/3/2012	<0.025	
4/3/2013	<0.025	
10/9/2013	<0.025	
4/2/2014	<0.025	
10/2/2014	0.00084 (J)	
4/1/2015	<0.025	
10/11/2015	<0.025	
4/4/2016	<0.025	
8/3/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025
9/17/2019		<0.025
3/12/2020		0.00023 (J)

Prediction Limit

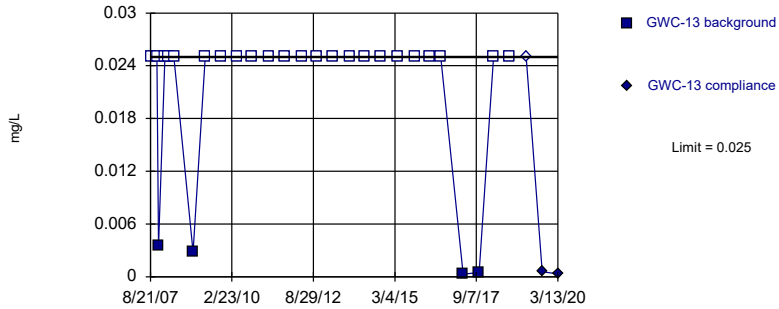
Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.025	
11/1/2007	<0.025	
11/19/2007	0.0029	
1/16/2008	0.0067	
3/5/2008	0.0058	
5/13/2008	<0.025	
12/13/2008	<0.025	
4/16/2009	0.0032	
10/21/2009	<0.025	
4/27/2010	0.0034	
10/5/2010	<0.025	
4/19/2011	<0.025	
10/12/2011	<0.025	
4/24/2012	<0.025	
10/2/2012	<0.025	
4/2/2013	0.0063	
10/9/2013	<0.025	
4/1/2014	<0.025	
10/2/2014	<0.025	
4/1/2015	<0.025	
10/14/2015	0.0017 (J)	
4/4/2016	<0.025	
8/3/2016	<0.025	
4/11/2017	0.0003 (J)	
10/4/2017	<0.025	
3/22/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025
9/17/2019		<0.025 (D)
3/12/2020		<0.025

Within Limit

Prediction Limit
Intrawell Non-parametric

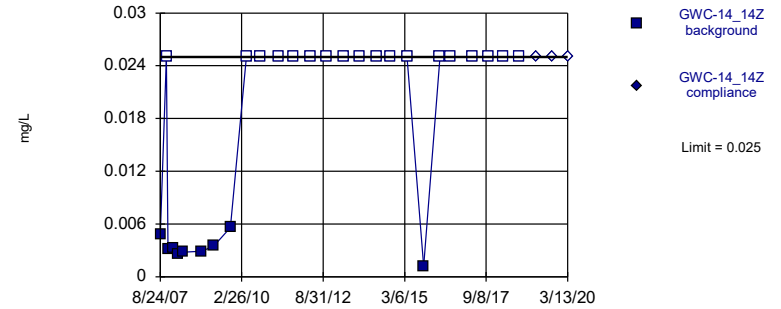


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 85 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

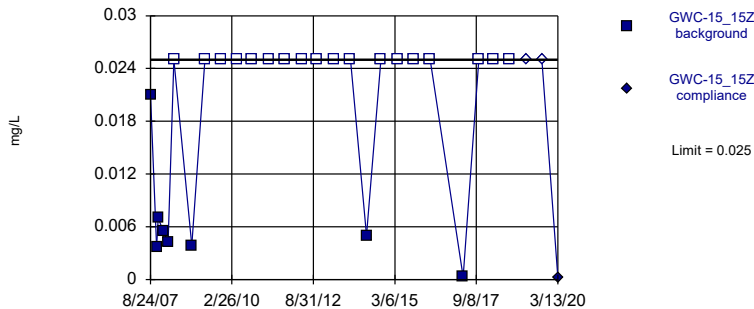


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

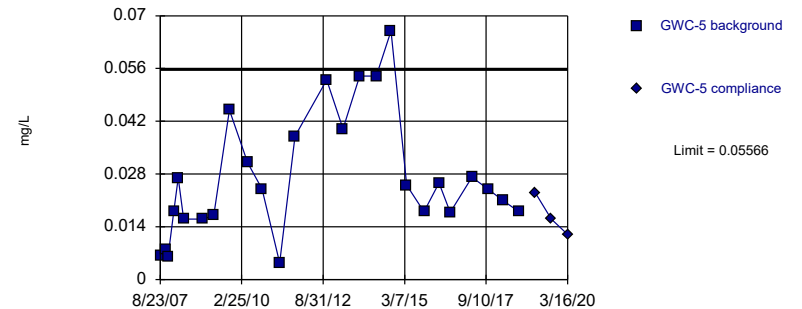


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02693, Std. Dev.=0.01643, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.891. Kappa = 1.748 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.025	
11/1/2007	<0.025	
11/19/2007	0.0035	
1/31/2008	<0.025	
3/5/2008	<0.025	
5/12/2008	<0.025	
12/13/2008	0.0028	
4/28/2009	<0.025	
10/21/2009	<0.025	
4/28/2010	<0.025	
10/5/2010	<0.025	
4/19/2011	<0.025	
10/18/2011	<0.025	
4/25/2012	<0.025	
10/2/2012	<0.025	
4/2/2013	<0.025	
10/8/2013	<0.025	
4/1/2014	<0.025	
10/1/2014	<0.025	
4/1/2015	<0.025	
10/15/2015	<0.025	
4/4/2016	<0.025	
8/4/2016	<0.025	
4/12/2017	0.0003 (J)	
10/9/2017	0.0005 (J)	
3/21/2018	<0.025	
9/19/2018	<0.025	
3/23/2019		<0.025
9/18/2019		0.00057 (J)
3/13/2020		0.00033 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.0048 (J)	
11/2/2007	<0.025	
11/17/2007	0.0031	
1/15/2008	0.0033	
3/5/2008	0.0026	
5/7/2008	0.0028	
12/2/2008	0.0029	
4/16/2009	0.0035	
10/20/2009	0.0056	
4/20/2010	<0.025	
9/29/2010	<0.025	
4/12/2011	<0.025	
10/4/2011	<0.025	
4/4/2012	<0.025	
10/10/2012	<0.025	
4/15/2013	<0.025	
10/22/2013	<0.025	
4/21/2014	<0.025	
9/30/2014	<0.025	
4/3/2015	<0.025	
10/7/2015	0.0012 (J)	
4/5/2016	<0.025	
8/9/2016	<0.025	
4/11/2017	<0.025	
10/5/2017	<0.025	
3/22/2018	<0.025	
9/19/2018	<0.025	
3/22/2019		<0.025
9/17/2019		<0.025
3/13/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.021	
11/2/2007	0.0037	
11/18/2007	0.007 (J)	
1/15/2008	0.0055	
3/10/2008	0.0042	
5/13/2008	<0.025	
12/2/2008	0.0039	
4/28/2009	<0.025	
10/20/2009	<0.025	
4/27/2010	<0.025	
10/5/2010	<0.025	
4/19/2011	<0.025	
10/12/2011	<0.025	
4/25/2012	<0.025	
10/10/2012	<0.025	
4/16/2013	<0.025	
10/22/2013	<0.025	
4/21/2014	0.005 (J)	
9/30/2014	<0.025	
4/3/2015	<0.025	
10/6/2015	<0.025	
4/5/2016	<0.025	
4/11/2017	0.0003 (J)	
10/6/2017	<0.025	
3/23/2018	<0.025	
9/19/2018	<0.025	
3/22/2019		<0.025
9/17/2019		<0.025
3/13/2020		0.0002 (J)

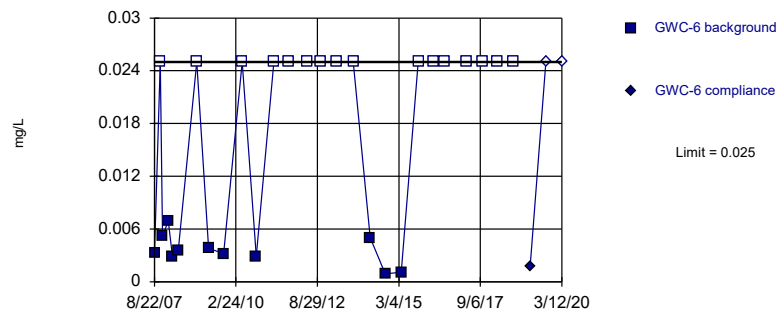
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0064	
10/25/2007	0.0081	
11/19/2007	0.0059	
1/23/2008	0.018	
3/11/2008	0.027	
5/12/2008	0.016	
12/11/2008	0.016	
4/15/2009	0.017	
10/9/2009	0.045	
5/4/2010	0.031	
10/12/2010	0.024	
4/28/2011	0.0044	
10/19/2011	0.038	
5/2/2012	0.0865 (O)	
10/9/2012	0.053	
4/11/2013	0.04	
10/16/2013	0.054	
4/23/2014	0.054	
10/3/2014	0.066	
3/31/2015	0.025	
10/12/2015	0.018	
3/28/2016	0.0256	
8/1/2016	0.0178 (J)	
4/3/2017	0.0272	
10/3/2017	0.0239 (J)	
3/19/2018	0.021 (J)	
9/17/2018	0.018 (J)	
3/20/2019		0.023 (J)
9/16/2019		0.016 (J)
3/16/2020		0.012 (J)

Within Limit

Prediction Limit Intrawell Non-parametric

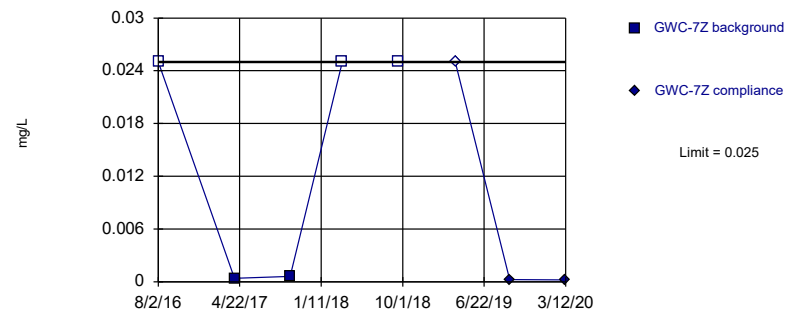


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

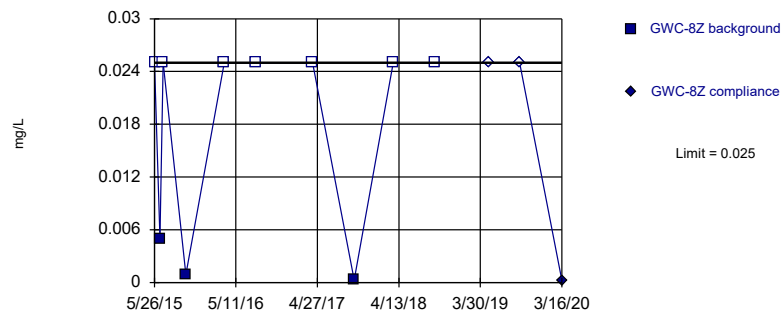


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

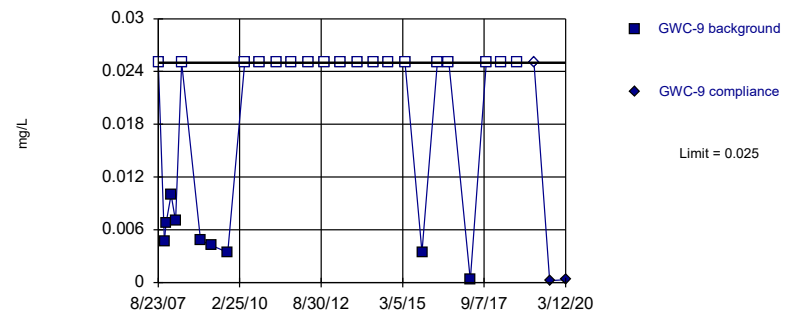


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	0.0033	
10/25/2007	<0.025	
11/20/2007	0.0052	
1/23/2008	0.0069	
3/11/2008	0.0029	
5/14/2008	0.0035	
12/11/2008	<0.025	
4/23/2009	0.0038	
10/9/2009	0.0032	
5/4/2010	<0.025	
10/11/2010	0.0029	
4/26/2011	<0.025	
10/18/2011	<0.025	
5/2/2012	<0.025	
10/8/2012	<0.025	
4/10/2013	<0.025	
10/8/2013	<0.025	
4/14/2014	0.005 (J)	
10/3/2014	0.00091 (J)	
4/1/2015	0.0011 (J)	
10/9/2015	<0.025	
3/29/2016	<0.025	
8/1/2016	<0.025	
4/6/2017	<0.025	
10/3/2017	<0.025	
3/19/2018	<0.025	
9/17/2018	<0.025	
3/21/2019		0.0018 (J)
9/16/2019		<0.025
3/12/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	<0.025	
4/6/2017	0.0004 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.025	
9/18/2018	<0.025	
3/21/2019		<0.025
9/13/2019		0.00025 (J)
3/12/2020		0.00021 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.025	
6/18/2015	0.005 (D)	
7/2/2015	<0.025	
10/8/2015	0.00091 (J)	
3/22/2016	<0.025	
8/2/2016	<0.025	
4/7/2017	<0.025	
10/3/2017	0.0003 (J)	
3/20/2018	<0.025	
9/18/2018	<0.025	
5/6/2019		<0.025
9/16/2019		<0.025
3/16/2020		0.00024 (J)

Prediction Limit

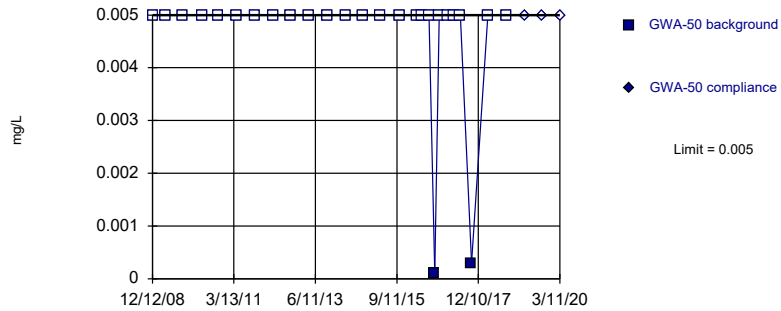
Constituent: Copper (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.025	
11/1/2007	0.0047	
11/19/2007	0.0067 (J)	
1/15/2008	0.01	
3/6/2008	0.007	
5/13/2008	<0.025	
12/12/2008	0.0048	
4/16/2009	0.0042	
10/13/2009	0.0034	
4/21/2010	<0.025	
9/29/2010	<0.025	
4/13/2011	<0.025	
10/5/2011	<0.025	
4/4/2012	<0.025	
10/8/2012	<0.025	
4/8/2013	<0.025	
10/9/2013	<0.025	
4/9/2014	<0.025	
9/30/2014	<0.025	
4/2/2015	<0.025	
10/10/2015	0.00345 (D)	
3/30/2016	<0.025	
8/5/2016	<0.025	
4/6/2017	0.0003 (J)	
10/3/2017	<0.025	
3/20/2018	<0.025	
9/18/2018	<0.025 (D)	
3/21/2019		<0.025
9/16/2019		0.00021 (J)
3/12/2020		0.00031 (J)

Within Limit

Prediction Limit Intrawell Non-parametric

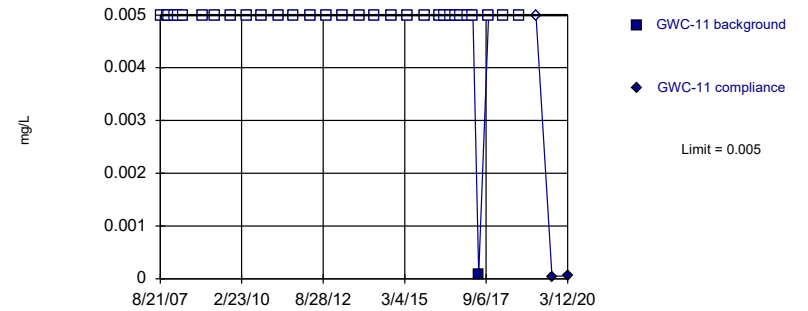


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Lead Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

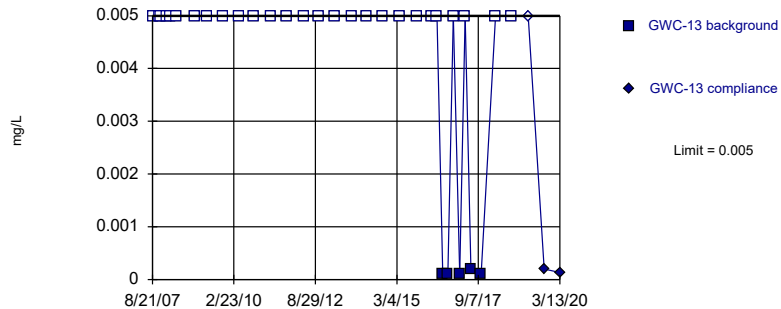


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

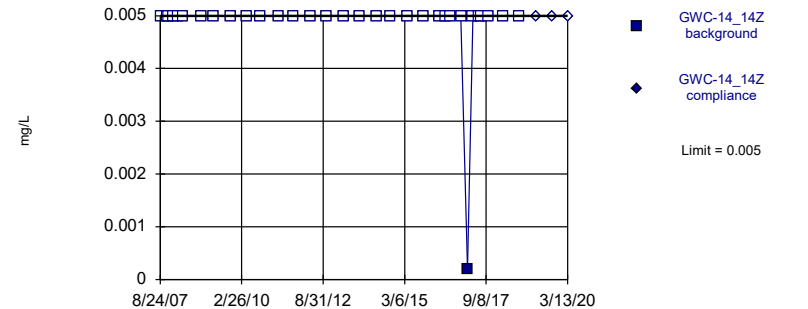


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	<0.005	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/23/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	0.0001 (J)	
11/10/2016	<0.005	
1/30/2017	<0.005	
4/7/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019		<0.005
9/13/2019		<0.005
3/11/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	9E-05 (J)	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019		<0.005
9/17/2019		4.6E-05 (J)
3/12/2020		5.2E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	0.0001 (J)	
9/29/2016	0.0001 (J)	
11/28/2016	<0.005	
2/9/2017	0.0001 (J)	
4/12/2017	<0.005	
6/16/2017	0.0002 (J)	
10/9/2017	0.0001 (J)	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019		<0.005
9/18/2019		0.0002 (J)
3/13/2020		0.00013 (J)

Prediction Limit

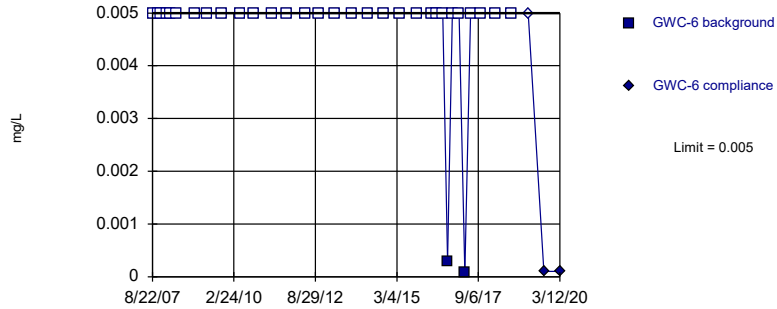
Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/16/2009	<0.005	
10/20/2009	<0.005	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	0.0002 (J)	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/13/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

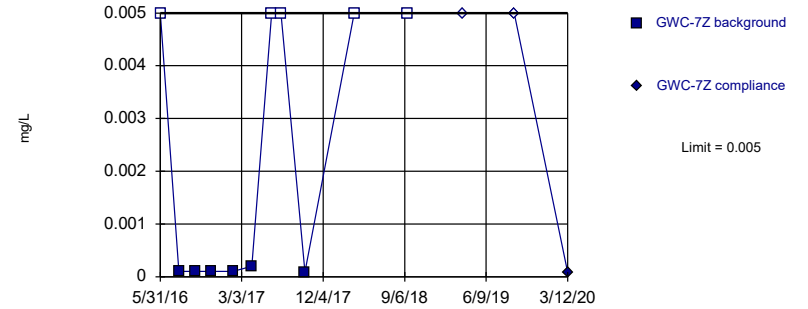


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

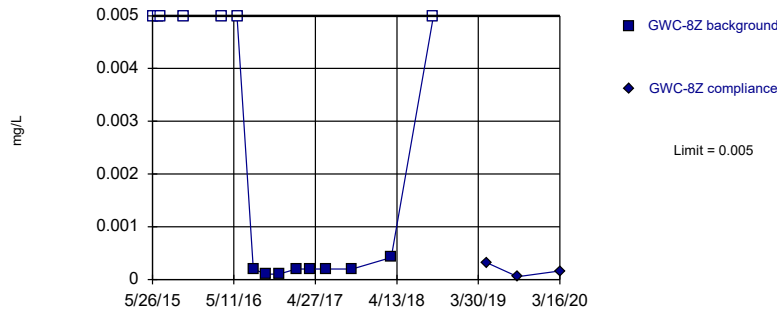


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

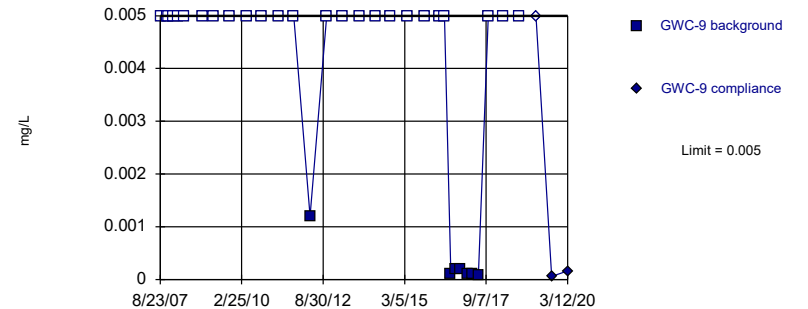


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Lead Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.005	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	0.0003 (J)	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	7E-05 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019		<0.005
9/16/2019		0.0001 (J)
3/12/2020		0.0001 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/1/2017	0.0001 (J)	
4/6/2017	0.0002 (J)	
6/13/2017	<0.005	
7/14/2017	<0.005	
10/3/2017	9E-05 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019		<0.005
9/13/2019		<0.005
3/12/2020		8.2E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	0.0002 (J)	
9/26/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/3/2017	0.0002 (J)	
4/7/2017	0.0002 (J)	
6/13/2017	0.0002 (J)	
10/3/2017	0.0002 (J)	
3/20/2018	0.00042 (J)	
9/18/2018	<0.005	
5/6/2019		0.00032 (J)
9/16/2019		5.4E-05 (J)
3/16/2020		0.00016 (J)

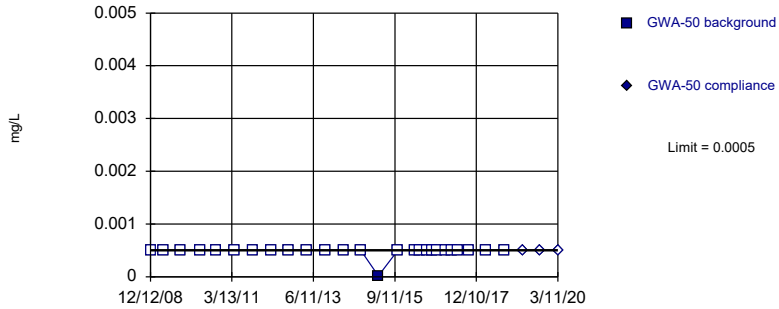
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	<0.005	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	0.0012	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	0.0001 (J)	
9/28/2016	0.0002 (J)	
11/21/2016	0.0002 (J)	
2/6/2017	0.0001 (J)	
4/6/2017	0.0001 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019		<0.005
9/16/2019		6.1E-05 (J)
3/12/2020		0.00016 (J)

Within Limit

Prediction Limit Intrawell Non-parametric

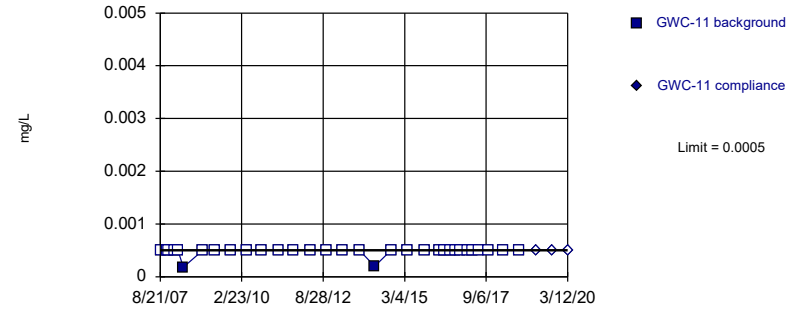


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Mercury Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

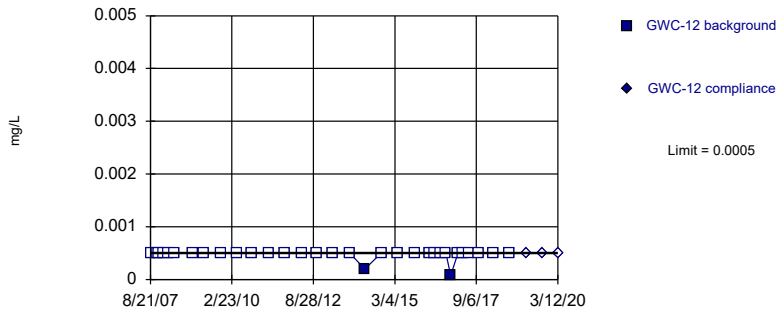


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

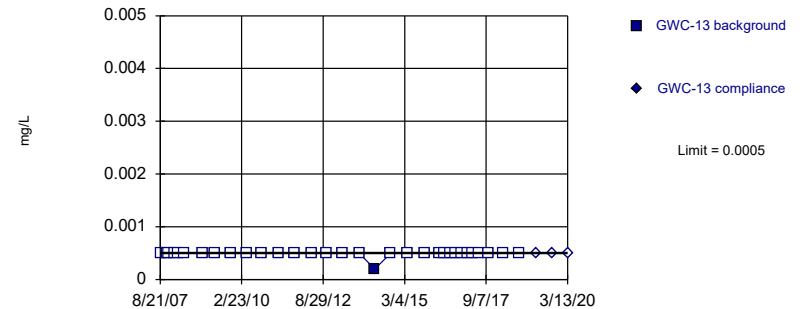


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.0005	
4/23/2009	<0.0005	
10/6/2009	<0.0005	
4/27/2010	<0.0005	
9/30/2010	<0.0005	
4/14/2011	<0.0005	
10/5/2011	<0.0005	
4/11/2012	<0.0005	
10/2/2012	<0.0005	
4/9/2013	<0.0005	
10/15/2013	<0.0005	
4/10/2014	<0.0005	
10/1/2014	<0.0005	
3/30/2015	2.02E-05 (J)	
10/11/2015	<0.0005	
3/28/2016	<0.0005	
5/23/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/10/2016	<0.0005	
1/30/2017	<0.0005	
4/7/2017	<0.0005	
6/12/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	<0.0005	
3/19/2019		<0.0005
9/13/2019		<0.0005
3/11/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/18/2007	<0.0005	
1/30/2008	<0.0005	
3/5/2008	<0.0005	
5/7/2008	0.000181	
12/14/2008	<0.0005	
4/29/2009	<0.0005	
10/22/2009	<0.0005	
4/21/2010	<0.0005	
9/28/2010	<0.0005	
4/12/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
10/3/2012	<0.0005	
4/3/2013	<0.0005	
10/9/2013	<0.0005	
4/2/2014	0.0002 (J)	
10/2/2014	<0.0005	
4/1/2015	<0.0005	
10/11/2015	<0.0005	
4/4/2016	<0.0005	
5/26/2016	<0.0005	
8/3/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/8/2017	<0.0005	
4/10/2017	<0.0005	
6/15/2017	<0.0005	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019		<0.0005
9/17/2019		<0.0005
3/12/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/19/2007	<0.0005	
1/16/2008	<0.0005	
3/5/2008	<0.0005	
5/13/2008	<0.0005	
12/13/2008	<0.0005	
4/16/2009	<0.0005	
10/21/2009	<0.0005	
4/27/2010	<0.0005	
10/5/2010	<0.0005	
4/19/2011	<0.0005	
10/12/2011	<0.0005	
4/24/2012	<0.0005	
10/2/2012	<0.0005	
4/2/2013	<0.0005	
10/9/2013	<0.0005	
4/1/2014	0.0002 (J)	
10/2/2014	<0.0005	
4/1/2015	<0.0005	
10/14/2015	<0.0005	
4/4/2016	<0.0005	
5/27/2016	<0.0005	
8/3/2016	<0.0005	
9/30/2016	<0.0005	
11/22/2016	8E-05 (J)	
2/13/2017	<0.0005	
4/11/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/22/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019		<0.0005
9/17/2019		<0.0005 (D)
3/12/2020		<0.0005

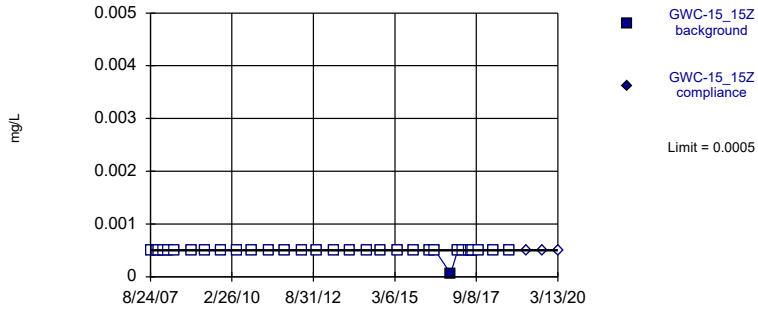
Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/19/2007	<0.0005	
1/31/2008	<0.0005	
3/5/2008	<0.0005	
5/12/2008	<0.0005	
12/13/2008	<0.0005	
4/28/2009	<0.0005	
10/21/2009	<0.0005	
4/28/2010	<0.0005	
10/5/2010	<0.0005	
4/19/2011	<0.0005	
10/18/2011	<0.0005	
4/25/2012	<0.0005	
10/2/2012	<0.0005	
4/2/2013	<0.0005	
10/8/2013	<0.0005	
4/1/2014	0.0002 (J)	
10/1/2014	<0.0005	
4/1/2015	<0.0005	
10/15/2015	<0.0005	
4/4/2016	<0.0005	
5/31/2016	<0.0005	
8/4/2016	<0.0005	
9/29/2016	<0.0005	
11/28/2016	<0.0005	
2/9/2017	<0.0005	
4/12/2017	<0.0005	
6/16/2017	<0.0005	
10/9/2017	<0.0005	
3/21/2018	<0.0005	
9/19/2018	<0.0005	
3/23/2019		<0.0005
9/18/2019		<0.0005
3/13/2020		<0.0005

Within Limit

Prediction Limit
Intrawell Non-parametric

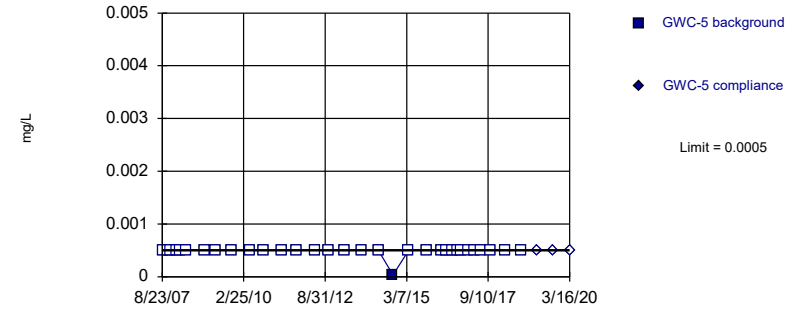


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

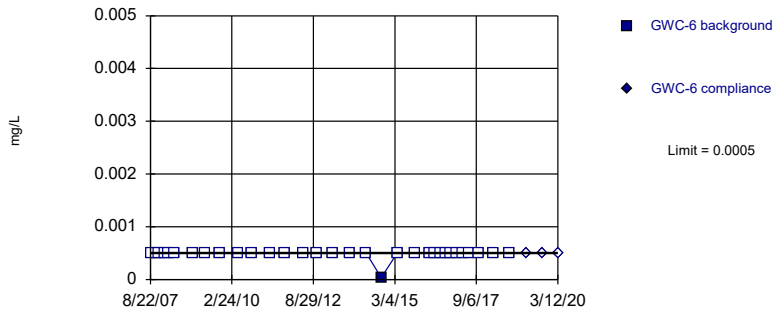


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

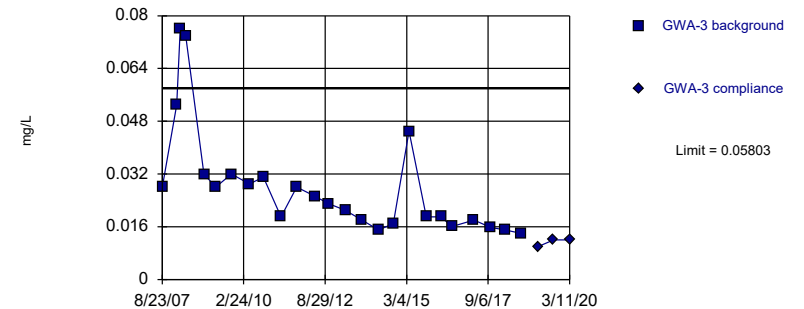


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.684, Std. Dev.=0.4762, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8937, critical = 0.888. Kappa = 1.758 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.0005	
11/2/2007	<0.0005	
11/18/2007	<0.0005	
1/15/2008	<0.0005	
3/10/2008	<0.0005	
5/13/2008	<0.0005	
12/2/2008	<0.0005	
4/28/2009	<0.0005	
10/20/2009	<0.0005	
4/27/2010	<0.0005	
10/5/2010	<0.0005	
4/19/2011	<0.0005	
10/12/2011	<0.0005	
4/25/2012	<0.0005	
10/10/2012	<0.0005	
4/16/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/6/2015	<0.0005	
4/5/2016	<0.0005	
5/31/2016	<0.0005	
11/23/2016	6E-05 (J)	
2/10/2017	<0.0005	
4/11/2017	<0.0005	
6/15/2017	<0.0005	
7/12/2017	<0.0005	
7/26/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/22/2019		<0.0005
9/17/2019		<0.0005
3/13/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.0005	
10/25/2007	<0.0005	
11/19/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/12/2008	<0.0005	
12/11/2008	<0.0005	
4/15/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/12/2010	<0.0005	
4/28/2011	<0.0005	
10/19/2011	<0.0005	
5/2/2012	<0.0005	
10/9/2012	<0.0005	
4/11/2013	<0.0005	
10/16/2013	<0.0005	
4/23/2014	<0.0005	
10/3/2014	3.71E-05 (J)	
3/31/2015	<0.0005	
10/12/2015	<0.0005	
3/28/2016	<0.0005	
5/25/2016	<0.0005	
8/1/2016	<0.0005	
9/27/2016	<0.0005	
11/11/2016	<0.0005	
1/31/2017	<0.0005	
4/3/2017	<0.0005	
6/12/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/20/2019		<0.0005
9/16/2019		<0.0005
3/16/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.0005	
10/25/2007	<0.0005	
11/20/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/14/2008	<0.0005	
12/11/2008	<0.0005	
4/23/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/11/2010	<0.0005	
4/26/2011	<0.0005	
10/18/2011	<0.0005	
5/2/2012	<0.0005	
10/8/2012	<0.0005	
4/10/2013	<0.0005	
10/8/2013	<0.0005	
4/14/2014	<0.0005	
10/3/2014	3.29E-05 (J)	
4/1/2015	<0.0005	
10/9/2015	<0.0005	
3/29/2016	<0.0005	
5/24/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/18/2016	<0.0005	
2/1/2017	<0.0005	
4/6/2017	<0.0005	
6/13/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/21/2019		<0.0005
9/16/2019		<0.0005
3/12/2020		<0.0005

Prediction Limit

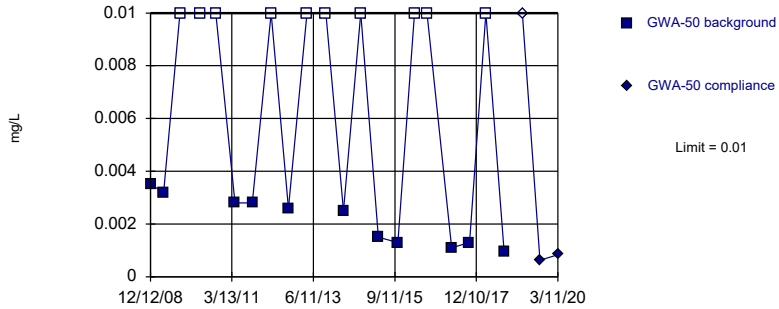
Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.028	
11/2/2007	0.041 (o)	
11/18/2007	0.14 (o)	
1/31/2008	0.053	
3/11/2008	0.076	
5/14/2008	0.074	
12/5/2008	0.032	
4/15/2009	0.028	
10/8/2009	0.032	
4/28/2010	0.029	
10/6/2010	0.031	
4/21/2011	0.019	
10/13/2011	0.028	
5/1/2012	0.0253	
10/9/2012	0.023	
4/11/2013	0.021	
10/16/2013	0.018	
4/23/2014	0.015	
10/4/2014	0.017	
3/31/2015	0.045	
10/12/2015	0.019	
3/23/2016	0.019	
7/29/2016	0.0161	
3/30/2017	0.018	
10/4/2017	0.0158	
3/19/2018	0.015	
9/17/2018	0.014	
3/20/2019		0.01
9/13/2019		0.012
3/11/2020		0.012

Within Limit

Prediction Limit
Intrawell Non-parametric

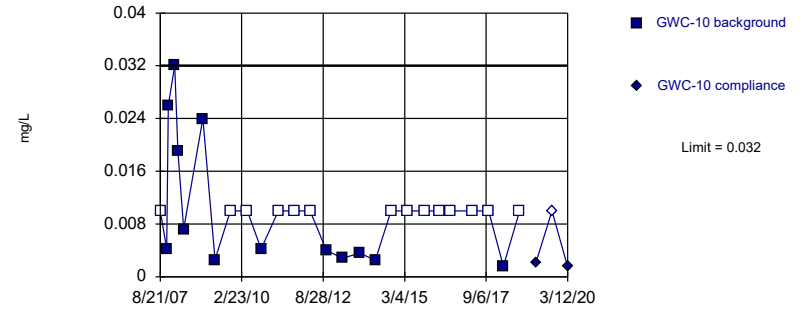


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

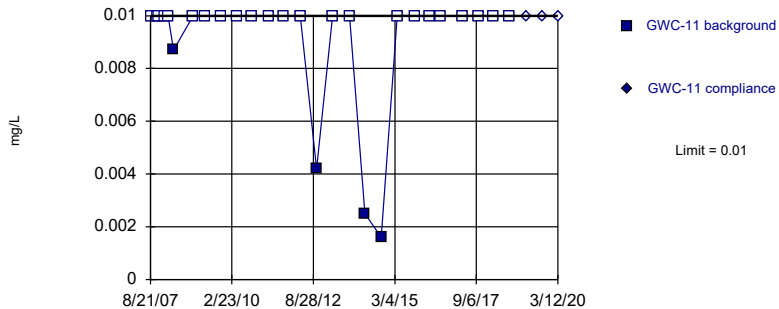


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 51.85% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

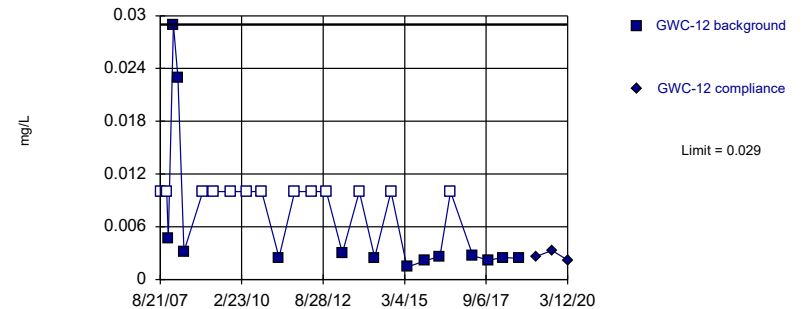


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.0035	
4/23/2009	0.0032	
10/6/2009	<0.01	
4/27/2010	<0.01	
9/30/2010	<0.01	
4/14/2011	0.0028	
10/5/2011	0.0028	
4/11/2012	<0.01	
10/2/2012	0.0026	
4/9/2013	<0.01	
10/15/2013	<0.01	
4/10/2014	0.0025 (J)	
10/1/2014	<0.01	
3/30/2015	0.0015 (J)	
10/11/2015	0.0013 (J)	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/7/2017	0.0011 (J)	
10/2/2017	0.0013 (J)	
3/16/2018	<0.01	
9/17/2018	0.00096 (J)	
3/19/2019		<0.01
9/13/2019		0.00063 (J)
3/11/2020		0.00084 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	0.0042	
11/20/2007	0.026	
1/30/2008	0.032	
3/6/2008	0.019	
5/12/2008	0.0072	
12/13/2008	0.024	
4/29/2009	0.0026	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	0.0042	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	0.004	
4/3/2013	0.0028	
10/15/2013	0.0036	
4/9/2014	0.0025 (J)	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	0.0016 (J)	
9/18/2018	<0.01	
3/22/2019		0.0022 (J)
9/17/2019		<0.01
3/12/2020		0.0015 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.0087	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	0.0042	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.0025 (J)	
10/2/2014	0.0016 (J)	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01

Prediction Limit

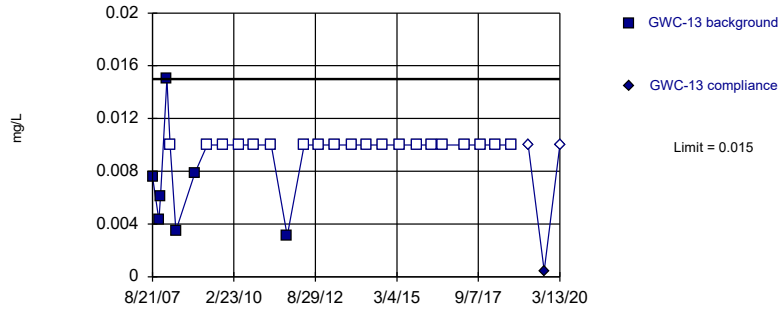
Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0047	
1/16/2008	0.029	
3/5/2008	0.023	
5/13/2008	0.0032	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.003	
10/9/2013	<0.01	
4/1/2014	0.0025 (J)	
10/2/2014	<0.01	
4/1/2015	0.0014 (J)	
10/14/2015	0.0021 (J)	
4/4/2016	0.00264 (J)	
8/3/2016	<0.01	
4/11/2017	0.0027 (J)	
10/4/2017	0.0022 (J)	
3/22/2018	0.0025 (J)	
9/18/2018	0.0024 (J)	
3/23/2019		0.0026 (J)
9/17/2019		0.0033 (JD)
3/12/2020		0.0022 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

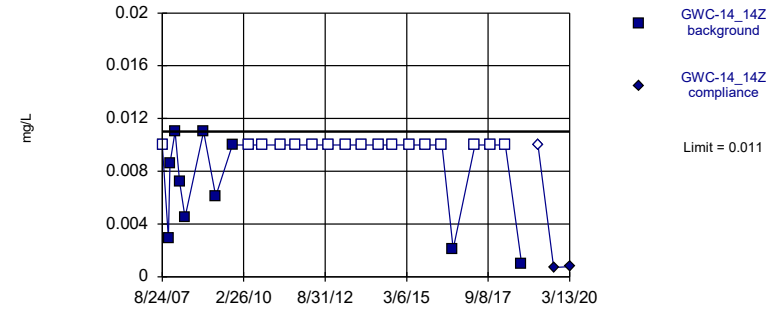


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

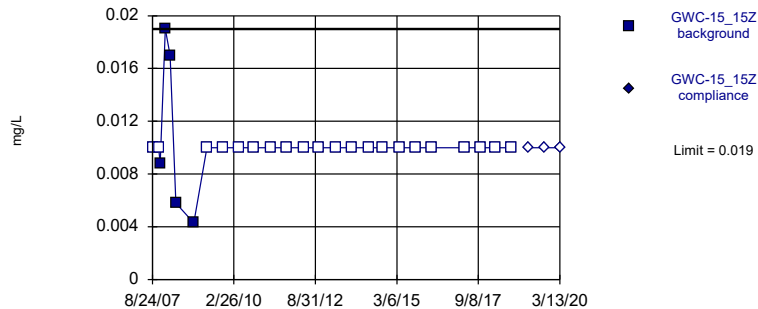


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 62.96% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

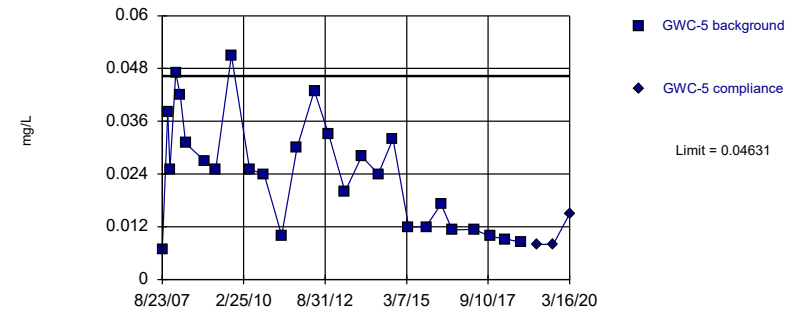


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02419, Std. Dev.=0.01273, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.0076	
11/1/2007	0.0043	
11/19/2007	0.0061	
1/31/2008	0.015	
3/5/2008	<0.01	
5/12/2008	0.0035	
12/13/2008	0.0079	
4/28/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/18/2011	0.0031	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
4/1/2015	<0.01	
10/15/2015	<0.01	
4/4/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		<0.01
9/18/2019		0.00046 (J)
3/13/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	<0.01	
11/2/2007	0.0029	
11/17/2007	0.0086	
1/15/2008	0.011	
3/5/2008	0.0072	
5/7/2008	0.0045	
12/2/2008	0.011	
4/16/2009	0.0061	
10/20/2009	0.01	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/9/2016	0.0021 (J)	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	0.00096 (J)	
3/22/2019		<0.01
9/17/2019		0.0007 (X)
3/13/2020		0.00078 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	0.0088 (J)	
1/15/2008	0.019	
3/10/2008	0.017	
5/13/2008	0.0058	
12/2/2008	0.0043	
4/28/2009	<0.01	
10/20/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/6/2015	<0.01	
4/5/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01

Prediction Limit

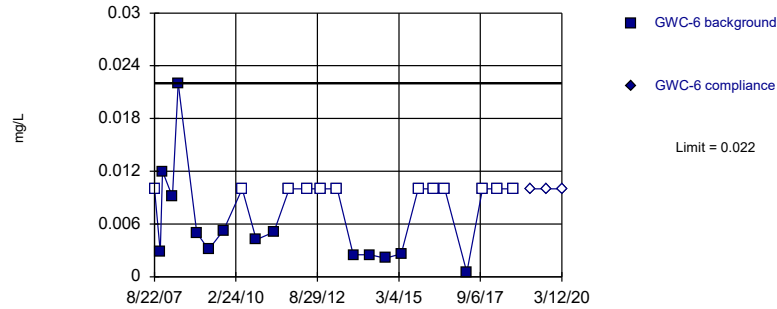
Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0069	
10/25/2007	0.038	
11/19/2007	0.025	
1/23/2008	0.047	
3/11/2008	0.042	
5/12/2008	0.031	
12/11/2008	0.027	
4/15/2009	0.025	
10/9/2009	0.051	
5/4/2010	0.025	
10/12/2010	0.024	
4/28/2011	0.01	
10/19/2011	0.03	
5/2/2012	0.0429	
10/9/2012	0.033	
4/11/2013	0.02	
10/16/2013	0.028	
4/23/2014	0.024	
10/3/2014	0.032	
3/31/2015	0.012	
10/12/2015	0.012	
3/28/2016	0.0172	
8/1/2016	0.0113	
4/3/2017	0.0114	
10/3/2017	0.0098 (J)	
3/19/2018	0.0092 (J)	
9/17/2018	0.0085 (J)	
3/20/2019		0.008 (J)
9/16/2019		0.008 (J)
3/16/2020		0.015

Within Limit

Prediction Limit
Intrawell Non-parametric

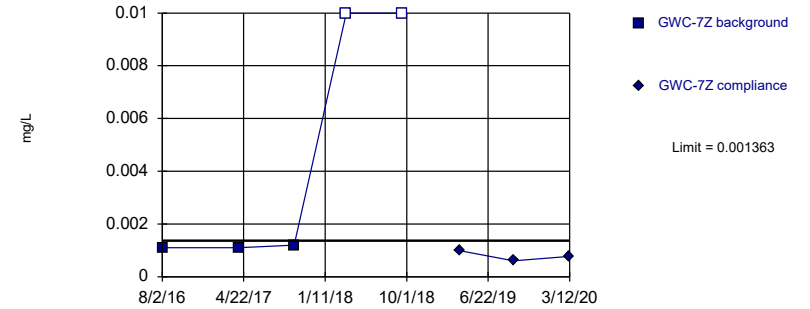


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

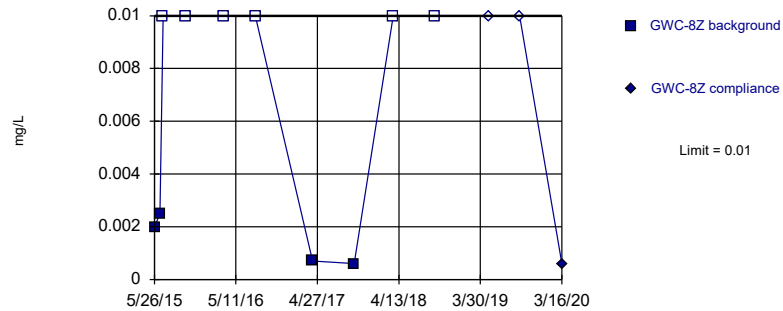


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001133, Std. Dev.=0.00004714, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.689, critical = 0.686. Kappa = 4.875 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

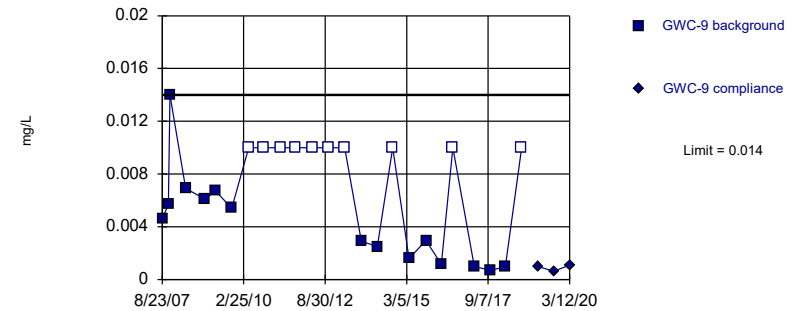


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 40% NDs. Well-constituent pair annual alpha = 0.0006091. Individual comparison alpha = 0.0003046 (1 of 3).

Constituent: Nickel Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.0028	
11/20/2007	0.012	
1/23/2008	0.046 (o)	
3/11/2008	0.0091	
5/14/2008	0.022	
12/11/2008	0.005	
4/23/2009	0.0031	
10/9/2009	0.0053	
5/4/2010	<0.01	
10/11/2010	0.0042	
4/26/2011	0.0051	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	0.0025	
4/14/2014	0.0025 (J)	
10/3/2014	0.0021 (J)	
4/1/2015	0.0026	
10/9/2015	<0.01	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	0.0005 (J)	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	0.0011 (J)	
4/6/2017	0.0011 (J)	
10/3/2017	0.0012 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		0.00099 (J)
9/13/2019		0.00061 (J)
3/12/2020		0.00078 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.002 (J)	
6/18/2015	0.0025 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	0.0007 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01
9/16/2019		<0.01
3/16/2020		0.0006 (J)

Prediction Limit

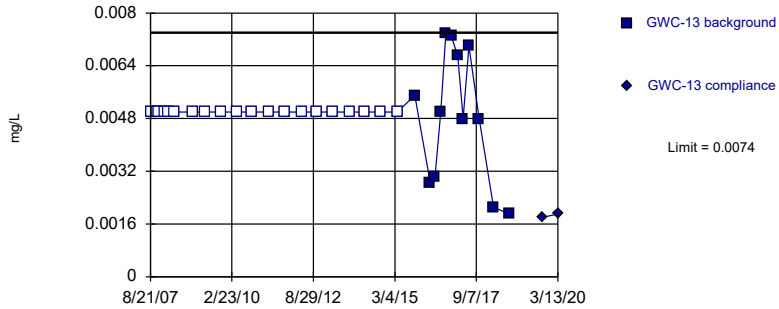
Constituent: Nickel (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	0.0046	
11/1/2007	0.0057	
11/19/2007	0.014 (J)	
1/15/2008	0.057 (o)	
3/6/2008	0.046 (o)	
5/13/2008	0.0069	
12/12/2008	0.0061	
4/16/2009	0.0067 (J)	
10/13/2009	0.0054	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0029	
4/9/2014	0.0025 (J)	
9/30/2014	<0.01	
4/2/2015	0.0016 (J)	
10/10/2015	0.00295 (D)	
3/30/2016	0.00116 (J)	
8/5/2016	<0.01	
4/6/2017	0.001 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00097 (J)	
9/18/2018	<0.01 (D)	
3/21/2019		0.001 (J)
9/16/2019		0.00062 (J)
3/12/2020		0.0011 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

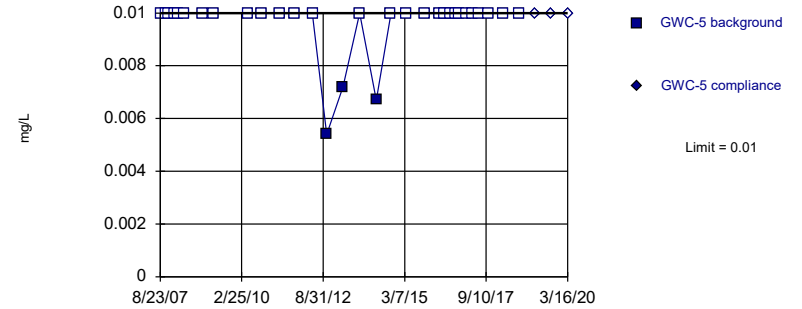


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

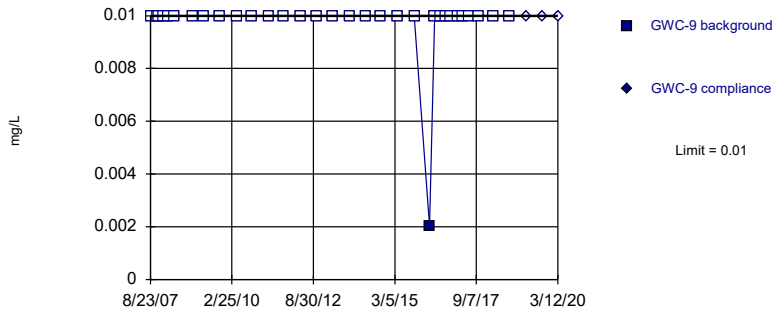


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Selenium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

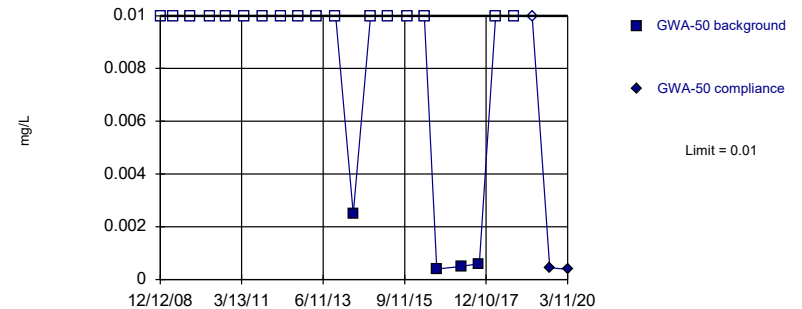


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 4/14/2020 10:24 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Silver Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	0.0055	
4/4/2016	0.00286 (J)	
5/31/2016	0.00303 (J)	
8/4/2016	0.005 (J)	
9/29/2016	0.0074 (J)	
11/28/2016	0.0073 (J)	
2/9/2017	0.0067 (J)	
4/12/2017	0.0048 (J)	
6/16/2017	0.007 (J)	
10/9/2017	0.0048 (J)	
3/21/2018	0.0021 (J)	
9/19/2018	0.0019 (J)	
3/23/2019		<0.01 (o)
9/18/2019		0.0018 (J)
3/13/2020		0.0019 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.01	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	<0.01	
3/11/2008	<0.01	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	0.015 (o)	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	0.0054	
4/11/2013	0.0072	
10/16/2013	<0.01	
4/23/2014	0.0067	
10/3/2014	<0.01	
3/31/2015	<0.01	
10/12/2015	<0.01	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/27/2016	<0.01	
11/11/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/16/2019		<0.01
3/16/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/13/2008	<0.01	
12/12/2008	<0.01	
4/16/2009	<0.01	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01 (D)	
3/30/2016	0.00202 (J)	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01

Prediction Limit

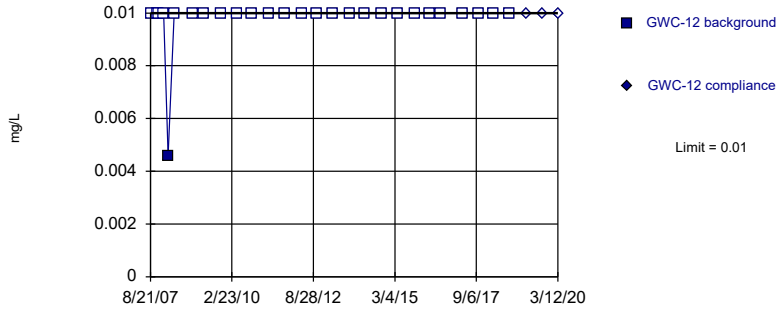
Constituent: Silver (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.01	
4/23/2009	<0.01	
10/6/2009	<0.01	
4/27/2010	<0.01	
9/30/2010	<0.01	
4/14/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/2/2012	<0.01	
4/9/2013	<0.01	
10/15/2013	<0.01	
4/10/2014	0.0025 (J)	
10/1/2014	<0.01	
3/30/2015	<0.01	
10/11/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	0.0004 (J)	
4/7/2017	0.0005 (J)	
10/2/2017	0.0006 (J)	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01
9/13/2019		0.00045 (J)
3/11/2020		0.00039 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

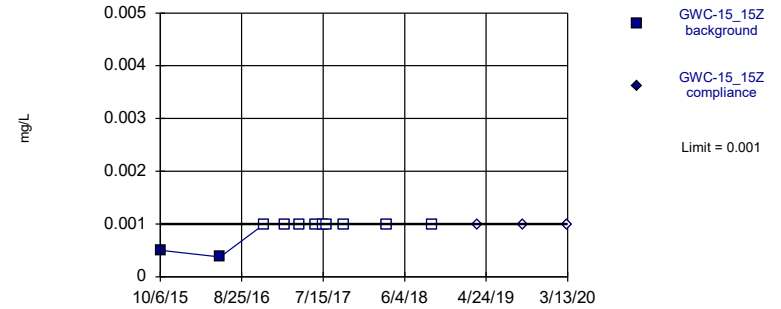


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

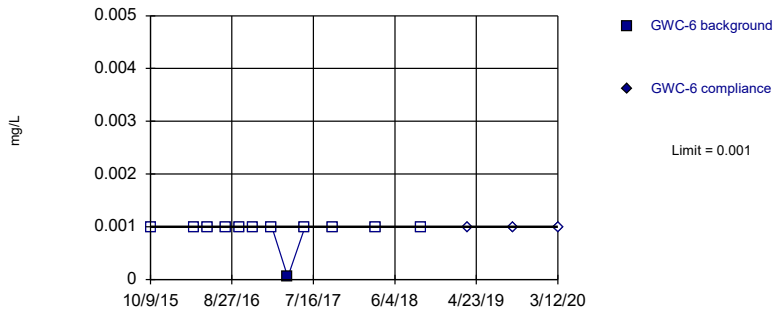


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

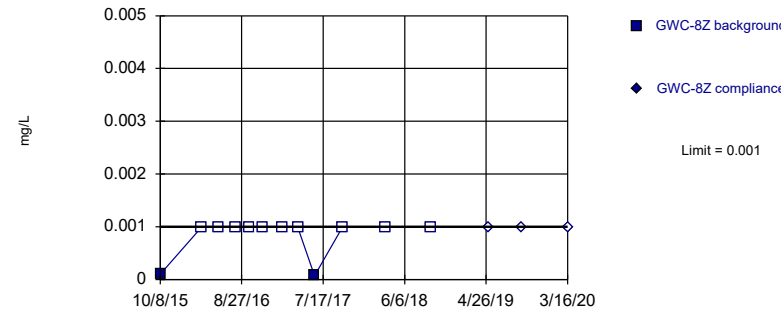


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/16/2008	<0.01	
3/5/2008	0.0046	
5/13/2008	<0.01	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01 (D)
3/12/2020		<0.01

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
10/6/2015	0.0005 (D)	
4/5/2016	0.00971 (o)	
5/31/2016	0.000373 (J)	
11/23/2016	<0.001	
2/10/2017	<0.001	
4/11/2017	<0.001	
6/15/2017	<0.001	
7/12/2017	<0.001	
7/26/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/22/2019		<0.001
9/17/2019		<0.001
3/13/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/18/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	5E-05 (J)	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019		<0.001
9/16/2019		<0.001
3/12/2020		<0.001

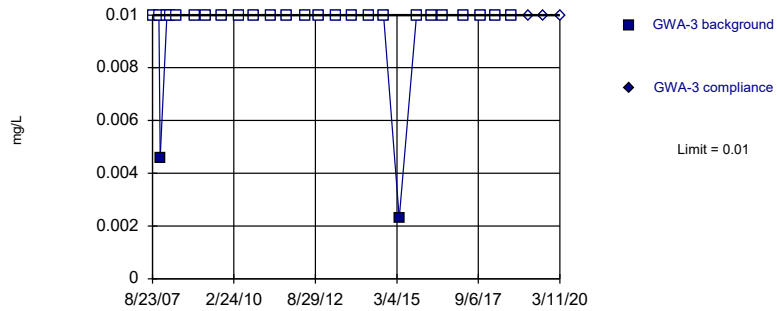
Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
10/8/2015	0.0001 (D)	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	<0.001	
9/26/2016	<0.001	
11/21/2016	<0.001	
2/3/2017	<0.001	
4/7/2017	<0.001	
6/13/2017	7E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
5/6/2019		<0.001
9/16/2019		<0.001
3/16/2020		<0.001

Within Limit

Prediction Limit
Intrawell Non-parametric

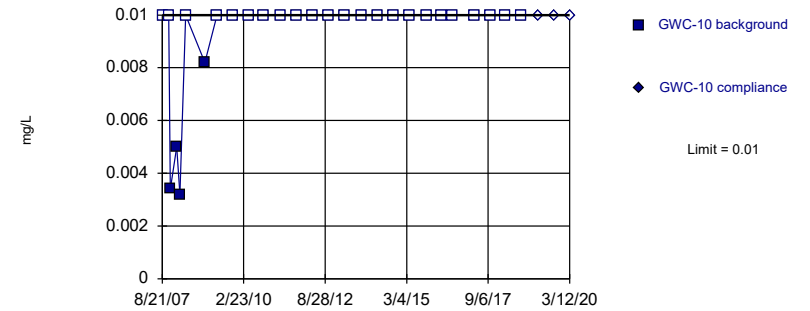


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

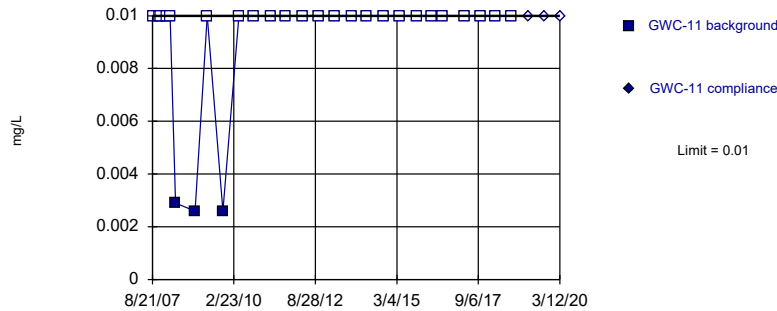


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

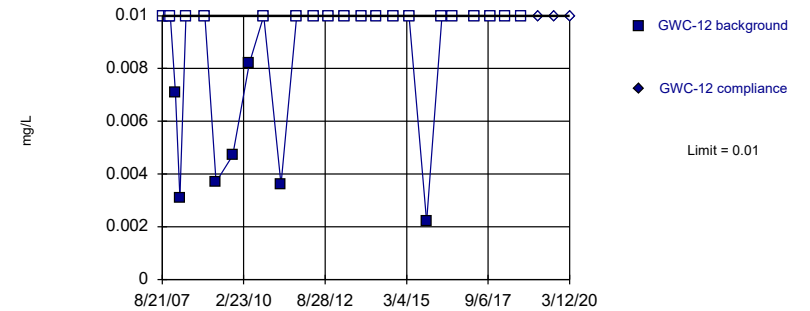


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	0.0046	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/14/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/4/2014	<0.01	
3/31/2015	0.0023 (J)	
10/12/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/13/2019		<0.01
3/11/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	<0.01	
11/20/2007	0.0034	
1/30/2008	0.005	
3/6/2008	0.0032	
5/12/2008	<0.01	
12/13/2008	0.0082	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.0029	
12/14/2008	0.0026	
4/29/2009	<0.01	
10/22/2009	0.0026	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01

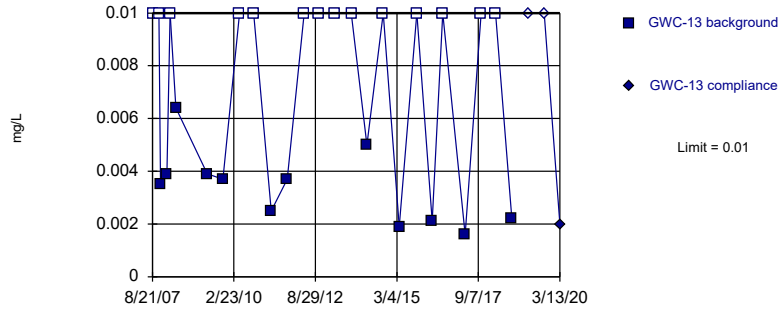
Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/16/2008	0.0071	
3/5/2008	0.0031	
5/13/2008	<0.01	
12/13/2008	<0.01	
4/16/2009	0.0037	
10/21/2009	0.0047	
4/27/2010	0.0082	
10/5/2010	<0.01	
4/19/2011	0.0036	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	0.0022 (J)	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01 (D)
3/12/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

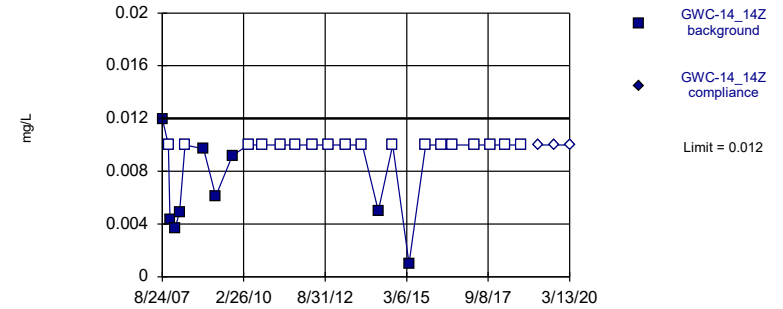


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 53.85% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

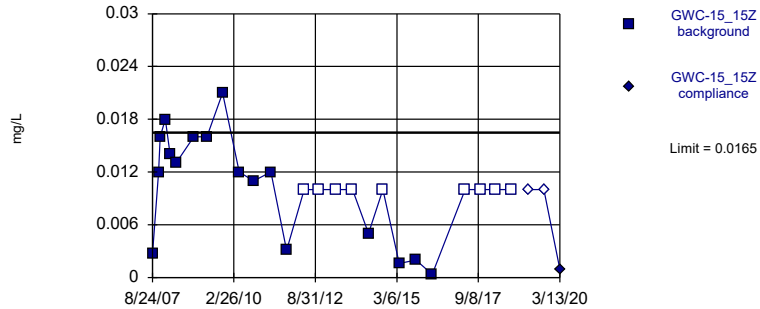


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

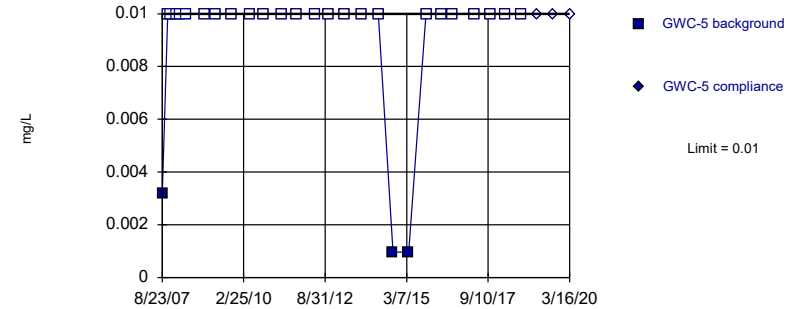


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.006028, Std. Dev.=0.005988, n=26, 34.62% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9325, critical = 0.891. Kappa = 1.748 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0035	
1/31/2008	0.0039	
3/5/2008	<0.01	
5/12/2008	0.0064	
12/13/2008	0.02 (o)	
4/28/2009	0.0039	
10/21/2009	0.0037	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/18/2011	0.0037	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
4/1/2015	0.0019 (J)	
10/15/2015	<0.01	
4/4/2016	0.00211 (J)	
8/4/2016	<0.01	
4/12/2017	0.0016 (J)	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	0.0022 (J)	
3/23/2019		<0.01
9/18/2019		<0.01
3/13/2020		0.002 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.012	
11/2/2007	<0.01	
11/17/2007	0.0043	
1/15/2008	0.0037	
3/5/2008	0.0049	
5/7/2008	<0.01	
12/2/2008	0.0097	
4/16/2009	0.0061	
10/20/2009	0.0092	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.001 (J)	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/9/2016	<0.01	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
8/24/2007	0.0027	
11/2/2007	0.012	
11/18/2007	0.016 (J)	
1/15/2008	0.018	
3/10/2008	0.014	
5/13/2008	0.013	
12/2/2008	0.016	
4/28/2009	0.016	
10/20/2009	0.021	
4/27/2010	0.012	
10/5/2010	0.011	
4/19/2011	0.012	
10/12/2011	0.0031	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.0016 (J)	
10/6/2015	0.002 (J)	
4/5/2016	0.00036 (J)	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		0.00095 (J)

Prediction Limit

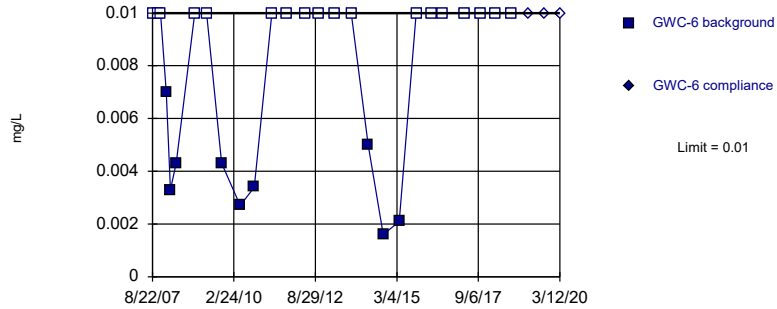
Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0032	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	<0.01	
3/11/2008	<0.01	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/3/2014	0.00097 (J)	
3/31/2015	0.00096 (J)	
10/12/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/16/2019		<0.01
3/16/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

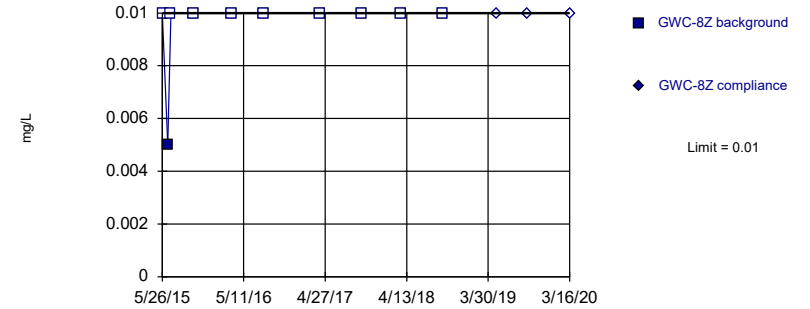


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

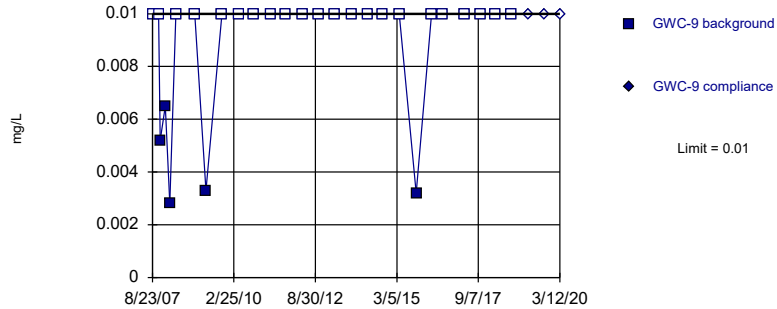


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

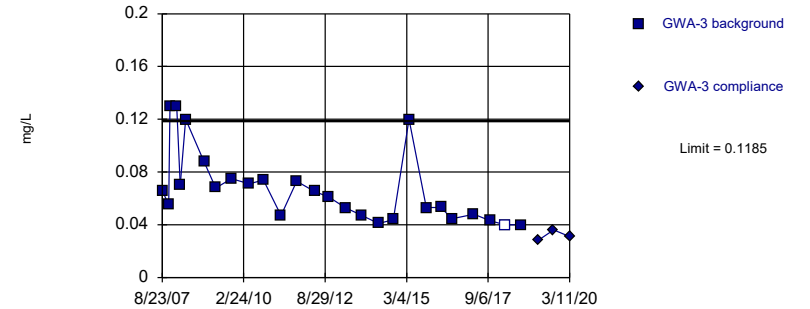


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-2.766, Std. Dev.=0.3644, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.902, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	<0.01	
11/20/2007	<0.01	
1/23/2008	0.007	
3/11/2008	0.0033	
5/14/2008	0.0043	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0043	
5/4/2010	0.0027	
10/11/2010	0.0034	
4/26/2011	<0.01	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	<0.01	
4/14/2014	0.005 (J)	
10/3/2014	0.0016 (J)	
4/1/2015	0.0021 (J)	
10/9/2015	<0.01	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.01	
6/18/2015	0.005 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01
9/16/2019		<0.01
3/16/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0052	
1/15/2008	0.0065	
3/6/2008	0.0028	
5/13/2008	<0.01	
12/12/2008	<0.01	
4/16/2009	0.0033	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.0032 (D)	
3/30/2016	<0.01	
8/5/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01

Prediction Limit

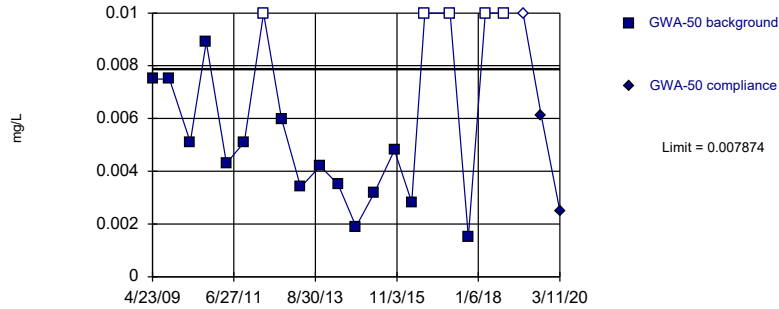
Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.066	
11/2/2007	0.055	
11/18/2007	0.13	
1/31/2008	0.13	
3/11/2008	0.07	
5/14/2008	0.12	
12/5/2008	0.088	
4/15/2009	0.068	
10/8/2009	0.075	
4/28/2010	0.071	
10/6/2010	0.074	
4/21/2011	0.047	
10/13/2011	0.073	
5/1/2012	0.0652	
10/9/2012	0.061	
4/11/2013	0.053	
10/16/2013	0.047	
4/23/2014	0.041	
10/4/2014	0.044 (V)	
3/31/2015	0.12	
10/12/2015	0.053	
3/23/2016	0.0532	
7/29/2016	0.0446	
3/30/2017	0.0479	
10/4/2017	0.0429	
3/19/2018	<0.04	
9/17/2018	0.04	
3/20/2019		0.028
9/13/2019		0.036
3/11/2020		0.031

Within Limit

Prediction Limit
Intrawell Parametric

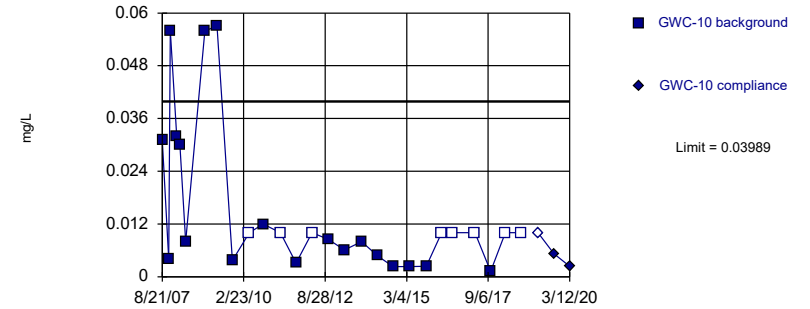


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004272, Std. Dev.=0.001962, n=20, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8936, critical = 0.868. Kappa = 1.836 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

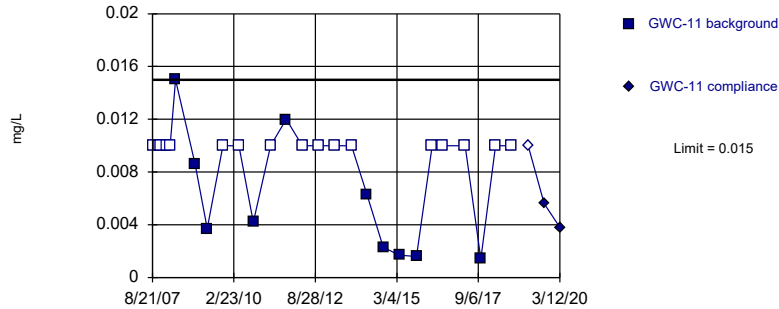


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.18, Std. Dev.=1.127, n=27, 29.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9368, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

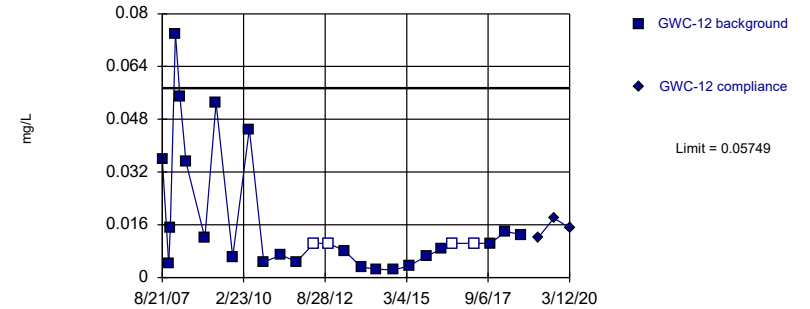


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 62.96% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-4.541, Std. Dev.=0.9693, n=27, 14.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9405, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
4/23/2009	0.0075	
10/6/2009	0.0075	
4/27/2010	0.0051	
9/30/2010	0.0089	
4/14/2011	0.0043	
10/5/2011	0.0051	
4/11/2012	<0.01	
10/2/2012	0.006	
4/9/2013	0.0034	
10/15/2013	0.0042	
4/10/2014	0.0035	
10/1/2014	0.0019 (J)	
3/30/2015	0.0032	
10/11/2015	0.0048	
3/28/2016	0.00282 (J)	
8/1/2016	<0.01	
4/7/2017	<0.01	
10/2/2017	0.0015 (J)	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01
9/13/2019		0.0061 (J)
3/11/2020		0.0025 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.031	
11/1/2007	0.0041	
11/20/2007	0.056	
1/30/2008	0.032	
3/6/2008	0.03	
5/12/2008	0.008	
12/13/2008	0.056	
4/29/2009	0.057	
10/20/2009	0.0037	
4/26/2010	<0.01	
9/29/2010	0.012	
4/13/2011	<0.01	
10/5/2011	0.0031	
4/4/2012	<0.01	
10/3/2012	0.0085	
4/3/2013	0.0061	
10/15/2013	0.008	
4/9/2014	0.0048	
10/2/2014	0.0023 (JV)	
4/2/2015	0.0023 (J)	
10/10/2015	0.0024 (J)	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0012 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.0052 (J)
3/12/2020		0.0024 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.015	
12/14/2008	0.0086 (J)	
4/29/2009	0.0037	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	0.0042	
4/12/2011	<0.01	
10/4/2011	0.012	
4/3/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.0063	
10/2/2014	0.0023 (J)	
4/1/2015	0.0017 (J)	
10/11/2015	0.0016 (J)	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0014 (J)	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		0.0056 (J)
3/12/2020		0.0038 (J)

Prediction Limit

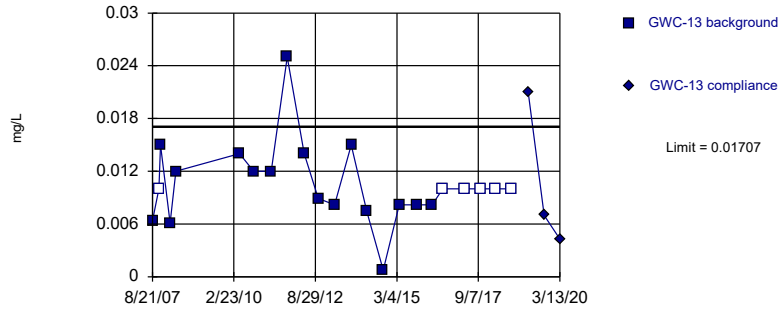
Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.036	
11/1/2007	0.0041	
11/19/2007	0.015	
1/16/2008	0.074	
3/5/2008	0.055	
5/13/2008	0.035	
12/13/2008	0.012 (J)	
4/16/2009	0.053	
10/21/2009	0.0063	
4/27/2010	0.045	
10/5/2010	0.0047	
4/19/2011	0.0068	
10/12/2011	0.0048	
4/24/2012	<0.0104	
10/2/2012	<0.0104	
4/2/2013	0.0081	
10/9/2013	0.0032	
4/1/2014	0.0025 (J)	
10/2/2014	0.0023 (J)	
4/1/2015	0.0035	
10/14/2015	0.0066	
4/4/2016	0.00858 (J)	
8/3/2016	<0.0104	
4/11/2017	<0.0104	
10/4/2017	0.0104	
3/22/2018	0.014	
9/18/2018	0.013	
3/23/2019		0.012
9/17/2019		0.018 (D)
3/12/2020		0.015

Within Limit

Prediction Limit
Intrawell Parametric

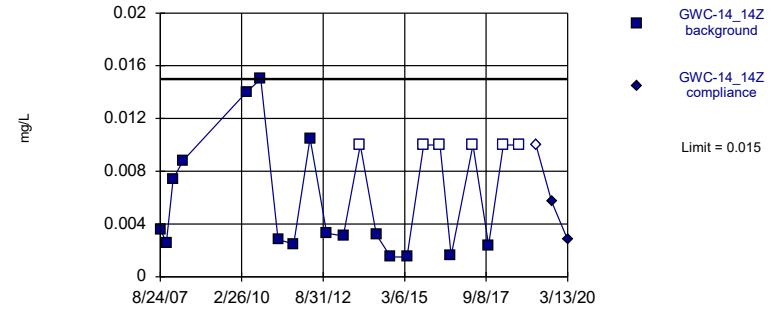


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.008189, Std. Dev.=0.004965, n=23, 26.09% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8841, critical = 0.881. Kappa = 1.789 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

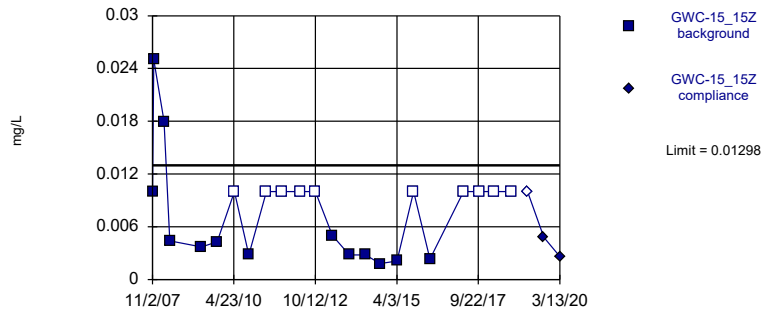


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 27.27% NDs. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

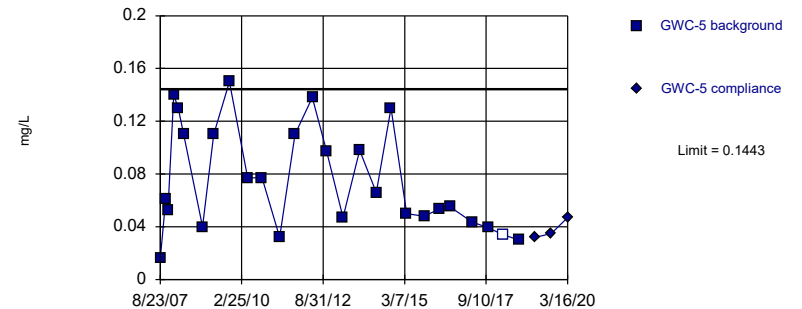


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1578, Std. Dev.=0.04314, n=23, 43.48% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8815, critical = 0.881. Kappa = 1.789 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.07538, Std. Dev.=0.03964, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9153, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.0064	
11/1/2007	<0.01	
11/19/2007	0.015	
3/5/2008	0.0061	
5/12/2008	0.012	
4/28/2010	0.014	
10/5/2010	0.012	
4/19/2011	0.012	
10/18/2011	0.025	
4/25/2012	0.014	
10/2/2012	0.0089	
4/2/2013	0.0082	
10/8/2013	0.015	
4/1/2014	0.0074	
10/1/2014	0.00077 (J)	
4/1/2015	0.0082	
10/15/2015	0.0082	
4/4/2016	0.00818 (J)	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		0.021
9/18/2019		0.007 (J)
3/13/2020		0.0043 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
8/24/2007	0.0036 (J)	
11/2/2007	0.0026 (J)	
11/17/2007	0.024 (o)	
1/15/2008	0.0074	
3/5/2008	0.075 (o)	
5/7/2008	0.0088	
12/2/2008	0.11 (o)	
4/16/2009	0.091 (o)	
10/20/2009	0.056 (o)	
4/20/2010	0.014	
9/29/2010	0.015	
4/12/2011	0.0028	
10/4/2011	0.0025	
4/4/2012	0.0105	
10/10/2012	0.0033	
4/15/2013	0.0031	
10/22/2013	<0.01	
4/21/2014	0.0032	
9/30/2014	0.0015 (J)	
4/3/2015	0.0015 (J)	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/9/2016	0.0016 (J)	
4/11/2017	<0.01	
10/5/2017	0.0024 (J)	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.0057 (X)
3/13/2020		0.0028 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
11/2/2007	0.01 (J)	
11/18/2007	0.025 (J)	
3/10/2008	0.018	
5/13/2008	0.0044	
4/28/2009	0.0037 (J)	
10/20/2009	0.0043	
4/27/2010	<0.01	
10/5/2010	0.0028	
4/19/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	0.005	
10/22/2013	0.0028	
4/21/2014	0.0028	
9/30/2014	0.0018 (J)	
4/3/2015	0.0021 (J)	
10/6/2015	<0.01	
4/5/2016	0.00233 (J)	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.0048 (X)
3/13/2020		0.0026 (J)

Prediction Limit

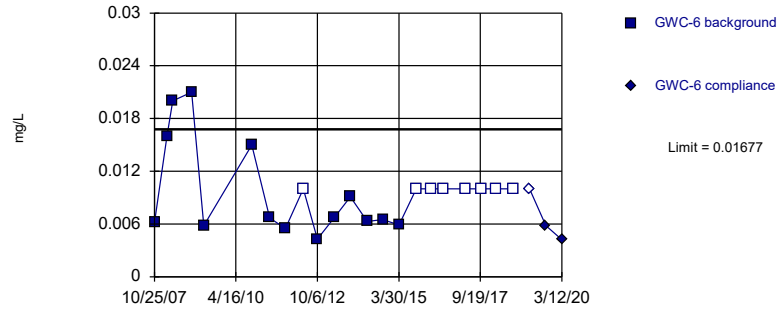
Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.016	
10/25/2007	0.061	
11/19/2007	0.053	
1/23/2008	0.14	
3/11/2008	0.13	
5/12/2008	0.11	
12/11/2008	0.04 (J)	
4/15/2009	0.11	
10/9/2009	0.15	
5/4/2010	0.077	
10/12/2010	0.077	
4/28/2011	0.032	
10/19/2011	0.11	
5/2/2012	0.138	
10/9/2012	0.097	
4/11/2013	0.047	
10/16/2013	0.098	
4/23/2014	0.066	
10/3/2014	0.13 (V)	
3/31/2015	0.05	
10/12/2015	0.048	
3/28/2016	0.0534	
8/1/2016	0.055	
4/3/2017	0.0436	
10/3/2017	0.0393	
3/19/2018	<0.034	
9/17/2018	0.03	
3/20/2019		0.032
9/16/2019		0.035
3/16/2020		0.047

Within Limit

Prediction Limit
Intrawell Parametric

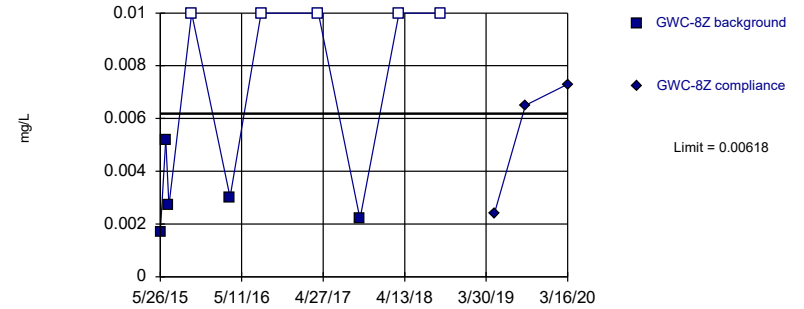


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.08853, Std. Dev.=0.0227, n=22, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8863, critical = 0.878. Kappa = 1.805 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

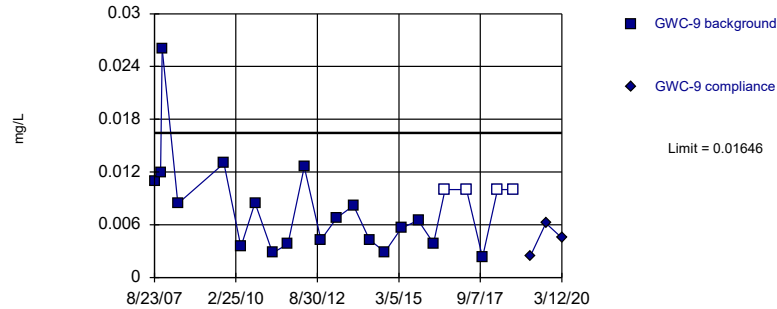


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1413, Std. Dev.=0.01813, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7851, critical = 0.781. Kappa = 2.329 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.08051, Std. Dev.=0.0267, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9286, critical = 0.881. Kappa = 1.789 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/14/2020 10:25 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
10/25/2007	0.0062	
3/11/2008	0.016	
5/14/2008	0.02	
12/11/2008	0.021	
4/23/2009	0.0058 (J)	
10/11/2010	0.015	
4/26/2011	0.0067	
10/18/2011	0.0055	
5/2/2012	<0.01	
10/8/2012	0.0043	
4/10/2013	0.0067	
10/8/2013	0.0091	
4/14/2014	0.0063	
10/3/2014	0.0065 (V)	
4/1/2015	0.0059	
10/9/2015	<0.01	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01
9/16/2019		0.0058 (J)
3/12/2020		0.0042 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.0017 (J)	
6/18/2015	0.0052 (D)	
7/2/2015	0.0027	
10/8/2015	<0.01	
3/22/2016	0.00302 (J)	
8/2/2016	<0.01	
4/7/2017	<0.01	
10/3/2017	0.0022 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		0.0024 (J)
9/16/2019		0.0065 (J)
3/16/2020		0.0073 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/14/2020 10:26 AM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	0.011	
11/1/2007	0.012	
11/19/2007	0.026 (J)	
5/13/2008	0.0084	
10/13/2009	0.013	
4/21/2010	0.0035	
9/29/2010	0.0085	
4/13/2011	0.0028	
10/5/2011	0.0038	
4/4/2012	0.0126	
10/8/2012	0.0043	
4/8/2013	0.0068	
10/9/2013	0.0082	
4/9/2014	0.0043	
9/30/2014	0.0029	
4/2/2015	0.0056	
10/10/2015	0.0065 (D)	
3/30/2016	0.00388 (J)	
8/5/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	0.0023 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		0.0024 (J)
9/16/2019		0.0062 (J)
3/12/2020		0.0045 (J)

FIGURE F.

Trend Tests Summary Table - Bedrock Wells - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:14 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-1 (bg)	-0.001069	-314	-158	Yes	34	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-4RZ (bg)	0.00552	58	44	Yes	14	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-50R (bg)	-0.0006697	-139	-106	Yes	26	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWC-13R_13RZ	0.006513	314	151	Yes	33	0	n/a	n/a	0.02	NP

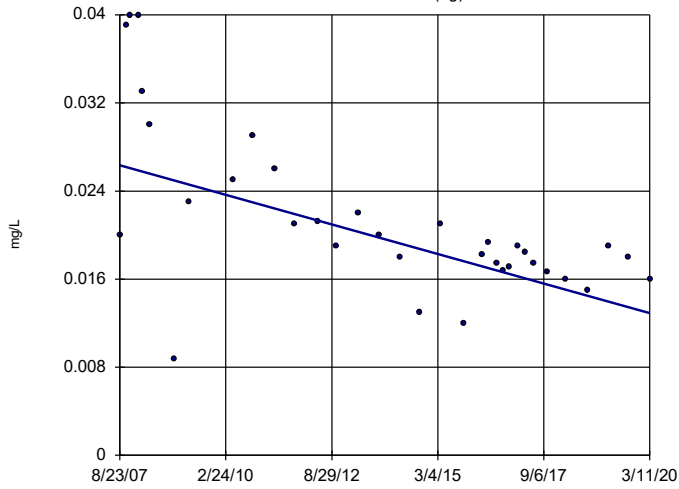
Trend Tests Summary Table - Bedrock Wells - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 10:14 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.001069	-314	-158	Yes	34	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-2 (bg)	0.0005249	56	151	No	33	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-2R (bg)	0.0001336	31	151	No	33	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-4RZ (bg)	0.00552	58	44	Yes	14	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-50R (bg)	-0.0006697	-139	-106	Yes	26	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWC-13R_13RZ	0.006513	314	151	Yes	33	0	n/a	n/a	0.02	NP

Sen's Slope Estimator

GWA-1 (bg)

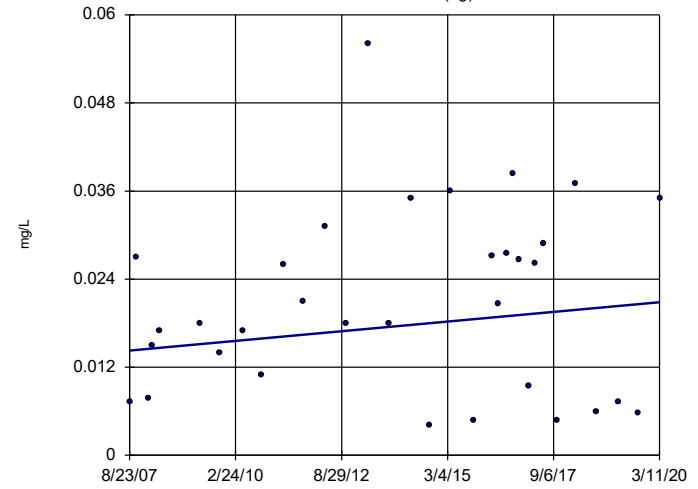


n = 34
 Slope = -0.001069 units per year.
 Mann-Kendall statistic = -314
 critical = -158
 Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 4/14/2020 10:12 AM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-2 (bg)

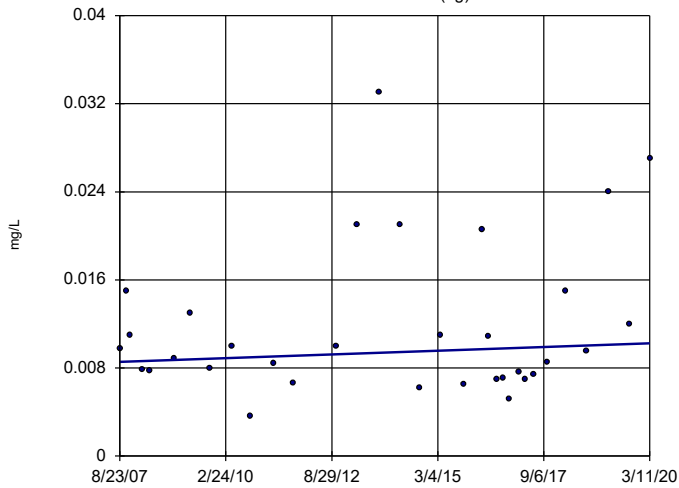


n = 33
 Slope = 0.0005249 units per year.
 Mann-Kendall statistic = 56
 critical = 151
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 4/14/2020 10:12 AM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-2R (bg)

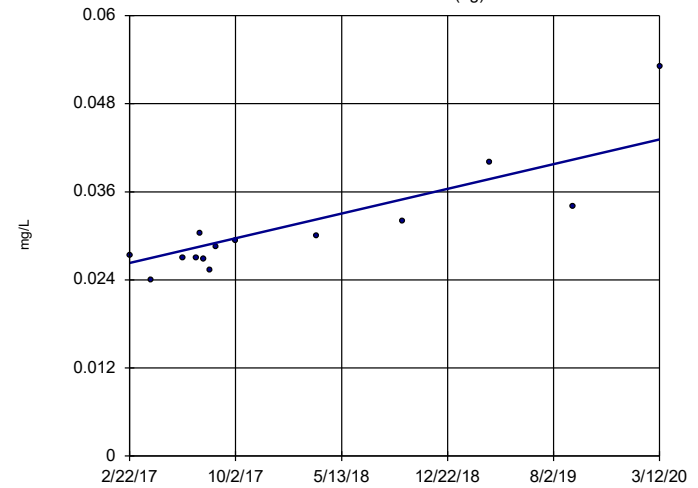


n = 33
 Slope = 0.0001336 units per year.
 Mann-Kendall statistic = 31
 critical = 151
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 4/14/2020 10:12 AM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-4RZ (bg)

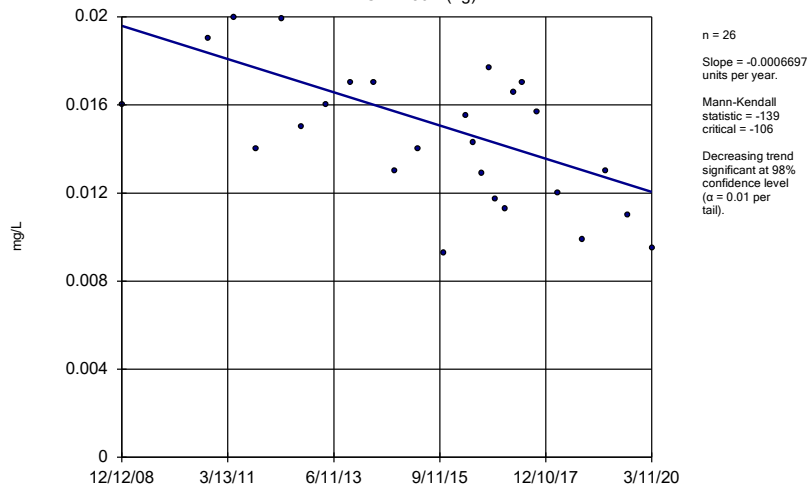


n = 14
 Slope = 0.00552 units per year.
 Mann-Kendall statistic = 58
 critical = 44
 Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 4/14/2020 10:12 AM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

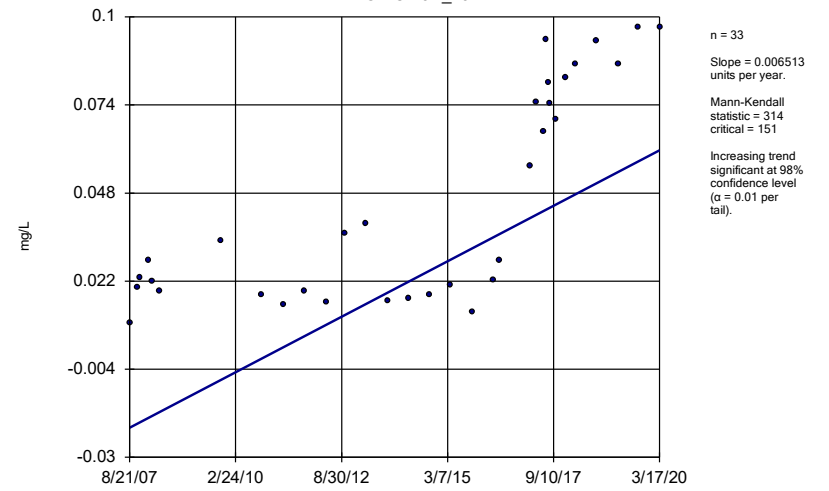
GWA-50R (bg)



Constituent: Barium Analysis Run 4/14/2020 10:12 AM View: Bedrock - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWC-13R_13RZ



Constituent: Barium Analysis Run 4/14/2020 10:12 AM View: Bedrock - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

FIGURE G.

Appendix III Intrawell Prediction Limits Summary Table - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Calcium (mg/L)	GWC-5	8.151	n/a	3/16/2020	12.1	Yes	13	1.854	0.3624	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	16.11	n/a	3/12/2020	16.2	Yes	12	13.73	0.8433	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-14_14Z	8.012	n/a	3/13/2020	11.1	Yes	12	3.192	1.707	0	None	0.0004426	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Calcium (mg/L)	GWA-1	35.77	n/a	3/11/2020	31.8	No	13	30.12	2.045	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-2	76.67	n/a	3/11/2020	66.6	No	13	21.87	19.84	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-2R	68.55	n/a	3/11/2020	46.8	No	13	4.874	1.233	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-3	2.13	n/a	3/11/2020	1	No	13	1.301	0.3004	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-4RZ	57.67	n/a	3/12/2020	54.2	No	13	48.45	3.34	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-50	4.676	n/a	3/11/2020	1.6	No	13	2.38	0.8311	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-50R	14.16	n/a	3/11/2020	1.2	No	13	5.032	3.306	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	46.26	n/a	3/12/2020	18.6	No	13	976.2	421.5	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10R	48.64	n/a	3/12/2020	43.2	No	13	40.21	3.054	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11	30.68	n/a	3/12/2020	8	No	13	17.71	4.696	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11R	36.51	n/a	3/12/2020	32.5	No	13	25.31	4.056	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-12	9.786	n/a	3/12/2020	8.1	No	13	8.042	0.6313	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13	77.34	n/a	3/13/2020	33	No	13	48.64	10.39	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13R_13RZ	66.28	n/a	3/17/2020	44.9	No	13	43.21	8.352	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-14_14Z	46.16	n/a	3/13/2020	17	No	13	23.01	8.383	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-15_15Z	30.61	n/a	3/13/2020	24.2	No	13	12616	5821	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-15R	62.5	n/a	3/13/2020	41	No	13	n/a	n/a	0	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWC-5	8.151	n/a	3/16/2020	12.1	Yes	13	1.854	0.3624	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	16.11	n/a	3/12/2020	16.2	Yes	12	13.73	0.8433	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6RZ	15.76	n/a	3/12/2020	9.3	No	12	11.35	1.561	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-7Z	27.62	n/a	3/12/2020	26.4	No	13	23.25	1.58	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8RR	25.71	n/a	3/12/2020	21.8	No	13	22.17	1.281	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8Z	27.75	n/a	3/16/2020	19.4	No	12	21.09	2.357	0	None	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-9	33.72	n/a	3/12/2020	1.8	No	13	10.16	8.529	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-1	2.705	n/a	3/11/2020	0.94	No	13	1.707	0.3615	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-2	171.3	n/a	3/11/2020	131	No	13	45.47	45.57	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-2R	103.2	n/a	3/11/2020	34.3	No	13	1.076	1.289	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-3	1.359	n/a	3/11/2020	0.5ND	No	13	0.7044	0.2369	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-4RZ	29.81	n/a	3/12/2020	20.8	No	14	21.19	3.193	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-50	1.082	n/a	3/11/2020	0.5ND	No	13	0.692	0.1413	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-50R	1.77	n/a	3/11/2020	0.85	No	13	1.035	0.2659	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-10	2.331	n/a	3/12/2020	1.3	No	13	1.414	0.332	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-10R	2.202	n/a	3/12/2020	0.99	No	13	1.539	0.2398	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-11	3.864	n/a	3/12/2020	1.8	No	13	2.667	0.4333	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-11R	4.815	n/a	3/12/2020	1.5	No	13	2.798	0.7303	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-12	0.8022	n/a	3/12/2020	0.5ND	No	13	0.6222	0.09903	23.08	Kaplan-Meier	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-13	205.7	n/a	3/13/2020	16.9	No	13	84.47	43.88	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-13R_13RZ	108.2	n/a	3/17/2020	72.1	No	13	53.11	19.95	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-14_14Z	8.012	n/a	3/13/2020	11.1	Yes	12	3.192	1.707	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-15_15Z	14.01	n/a	3/13/2020	1.1	No	13	4.438	3.464	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-15R	14.72	n/a	3/13/2020	8.8	No	13	9.142	2.02	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-5	2.23	n/a	3/16/2020	1.1	No	13	1.506	0.2621	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-6	4.05	n/a	3/12/2020	2.1	No	13	2.394	0.5998	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-6RZ	3.575	n/a	3/12/2020	1.4	No	13	2.112	0.5298	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-7Z	2.373	n/a	3/12/2020	1.7	No	13	0.8731	0.5429	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-8RR	2.043	n/a	3/12/2020	1.8	No	13	1.043	0.3621	7.692	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-8Z	4.386	n/a	3/16/2020	0.66	No	13	2.324	0.7467	0	None	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-9	4.885	n/a	3/12/2020	1.1	No	13	2.372	0.9101	7.692	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-1	192.9	n/a	3/11/2020	172	No	13	151.7	14.9	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-2	370	n/a	3/11/2020	309	No	13	122.7	89.51	7.692	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-2R	250.2	n/a	3/11/2020	170	No	13	120	47.12	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-3	58.82	n/a	3/11/2020	24	No	13	26.41	11.74	38.46	Kaplan-Meier	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-4RZ	444.4	n/a	3/12/2020	247	No	13	262.5	65.86	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-50	50.58	n/a	3/11/2020	17	No	13	23.65	9.751	30.77	Kaplan-Meier	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-50R	107.3	n/a	3/11/2020	24	No	13	37	25.45	23.08	Kaplan-Meier	0.0004426	Param Intra 1 of 2

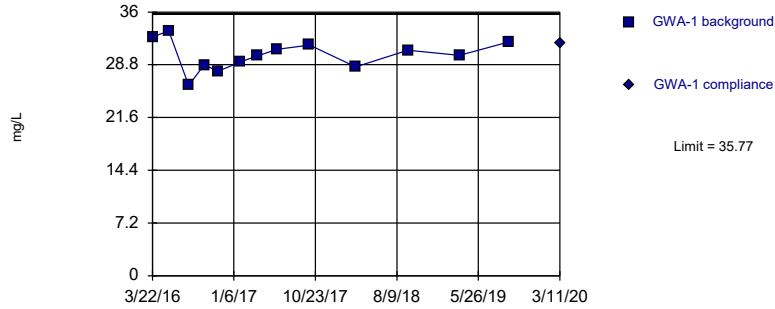
Appendix III Intrawell Prediction Limits Summary Table - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-10	203.4	n/a	3/12/2020	63	No	13	133.3	25.39	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-10R	224.9	n/a	3/12/2020	81	No	13	161	23.15	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-11	157.3	n/a	3/12/2020	96	No	13	95.08	22.54	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-11R	178.8	n/a	3/12/2020	125	No	13	128	18.4	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-12	114	n/a	3/12/2020	64	No	13	4.084	0.2771	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-13	424.3	n/a	3/13/2020	143	No	13	239.6	66.87	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-13R_13RZ	380.1	n/a	3/17/2020	256	No	13	67659	27810	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-14_14Z	287.4	n/a	3/13/2020	59	No	13	123.6	59.29	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-15_15Z	233.3	n/a	3/13/2020	76	No	13	125.5	39.04	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-15R	247.9	n/a	3/13/2020	169	No	13	166.2	29.56	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-5	124	n/a	3/16/2020	20	No	13	43.54	29.12	15.38	0	Kaplan-Meier	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-6	169.5	n/a	3/12/2020	42	No	13	9.238	1.368	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-6RZ	163.6	n/a	3/12/2020	22	No	13	82	29.54	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-7Z	174.7	n/a	3/12/2020	86	No	13	125.7	17.74	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-8RR	132.3	n/a	3/12/2020	84	No	13	108.6	8.559	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-8Z	178.6	n/a	3/16/2020	76	No	13	121.7	20.62	0	0	None	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-9	187.9	n/a	3/12/2020	16	No	13	64.54	44.65	0	0	None	0.0004426	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Parametric

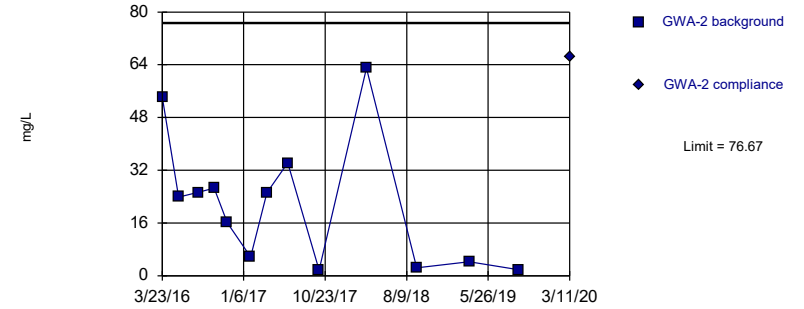


Background Data Summary: Mean=30.12, Std. Dev.=2.045, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9874, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

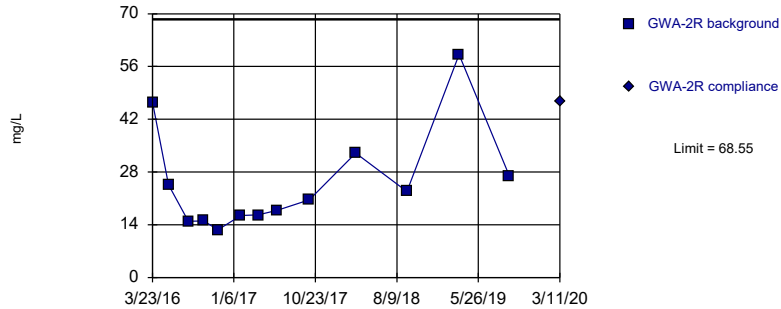


Background Data Summary: Mean=21.87, Std. Dev.=19.84, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8769, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

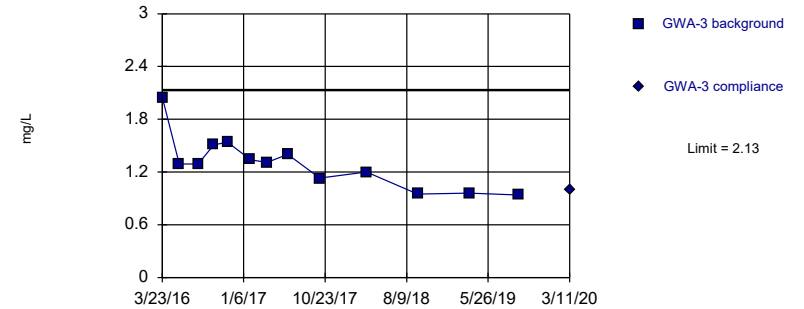


Background Data Summary (based on square root transformation): Mean=4.874, Std. Dev.=1.233, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8672, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.301, Std. Dev.=0.3004, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8984, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
3/22/2016	32.6	
5/19/2016	33.4	
7/29/2016	26	
9/23/2016	28.8	
11/9/2016	27.9	
1/30/2017	29.2	
3/30/2017	30	
6/9/2017	30.9	
10/2/2017	31.5	
3/16/2018	28.5	
9/17/2018	30.8	
3/20/2019	30.1	
9/12/2019	31.9	
3/11/2020		31.8

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
3/23/2016	54.1	
5/20/2016	23.9	
7/29/2016	25.3	
9/23/2016	26.6	
11/9/2016	16.1	
1/31/2017	5.68	
3/30/2017	25.2	
6/12/2017	34.2	
10/2/2017	1.69	
3/19/2018	63	
9/14/2018	2.4	
3/20/2019	4.3	
9/12/2019	1.8	
3/11/2020		66.6

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/23/2016	46.5	
5/19/2016	24.6	
7/29/2016	14.9	
9/22/2016	15	
11/10/2016	12.6	
1/31/2017	16.5	
4/3/2017	16.6	
6/9/2017	17.8	
10/2/2017	20.6	
3/16/2018	33	
9/14/2018	22.8 (J)	
3/19/2019	59.2	
9/13/2019	27	
3/11/2020		46.8

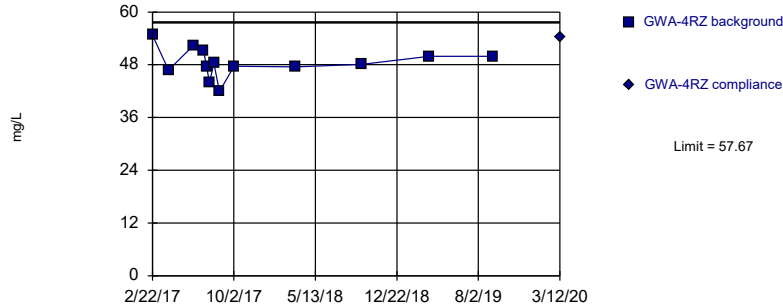
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
3/23/2016	2.05	
5/23/2016	1.29	
7/29/2016	1.29	
9/22/2016	1.51	
11/10/2016	1.54	
1/31/2017	1.34	
3/30/2017	1.31	
6/12/2017	1.4	
10/4/2017	1.13	
3/19/2018	1.2	
9/17/2018	0.95	
3/20/2019	0.96	
9/13/2019	0.94	
3/11/2020		1

Within Limit

Prediction Limit
Intrawell Parametric

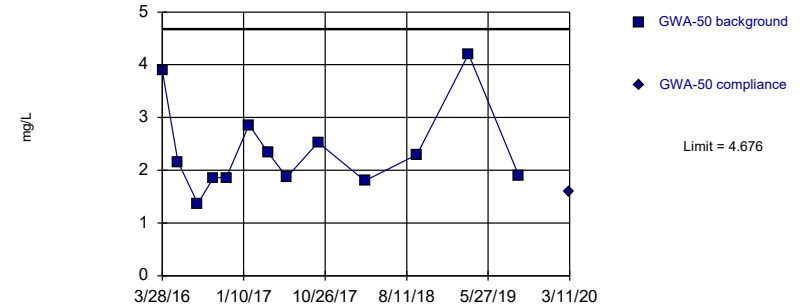


Background Data Summary: Mean=48.45, Std. Dev.=3.34, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9703, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

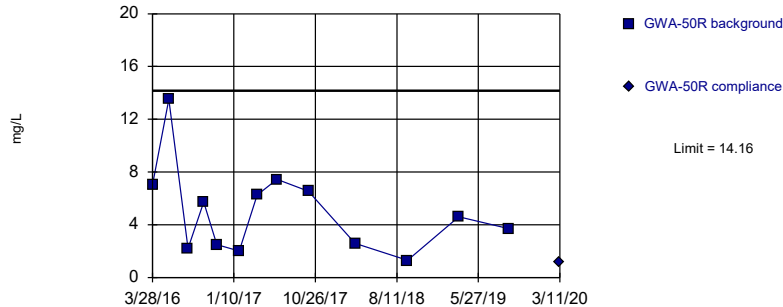


Background Data Summary: Mean=2.38, Std. Dev.=0.8311, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.841, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

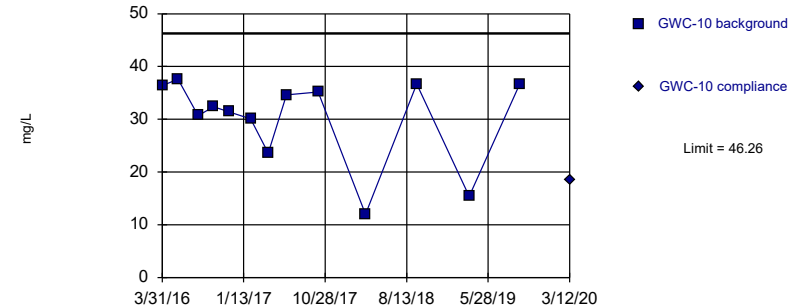


Background Data Summary: Mean=5.032, Std. Dev.=3.306, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8749, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=976.2, Std. Dev.=421.5, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	54.7	
4/7/2017	46.8	
6/14/2017	52.4	
7/12/2017	51.1	
7/20/2017	47.5	
7/28/2017	44	
8/9/2017	48.3	
8/24/2017	41.9	
10/3/2017	47.7	
3/21/2018	47.5	
9/18/2018	48.1	
3/21/2019	49.9	
9/12/2019	49.9	
3/12/2020		54.2

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
3/28/2016	3.89	
5/23/2016	2.16	
8/1/2016	1.37	
9/26/2016	1.86	
11/10/2016	1.86	
1/30/2017	2.86	
4/7/2017	2.34	
6/12/2017	1.87	
10/2/2017	2.53	
3/16/2018	1.8	
9/17/2018	2.3	
3/19/2019	4.2	
9/13/2019	1.9	
3/11/2020		1.6

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
3/28/2016	7.04	
5/25/2016	13.5	
8/1/2016	2.2	
9/26/2016	5.72	
11/11/2016	2.5	
1/30/2017	2.01	
4/3/2017	6.26	
6/12/2017	7.44	
10/2/2017	6.55	
3/16/2018	2.6	
9/18/2018	1.3	
3/19/2019	4.6	
9/12/2019	3.7	
3/11/2020		1.2

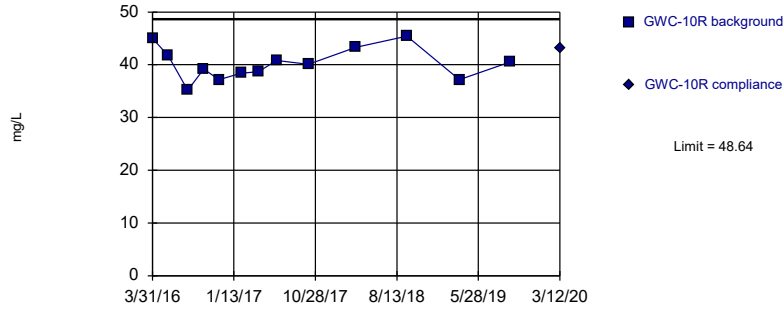
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	36.4	
5/26/2016	37.6	
8/5/2016	30.7	
9/28/2016	32.4	
11/22/2016	31.4	
2/7/2017	30.1	
4/10/2017	23.6	
6/14/2017	34.6	
10/4/2017	35.2	
3/20/2018	12 (J)	
9/18/2018	36.7	
3/22/2019	15.4 (J)	
9/17/2019	36.7	
3/12/2020		18.6

Within Limit

Prediction Limit
Intrawell Parametric

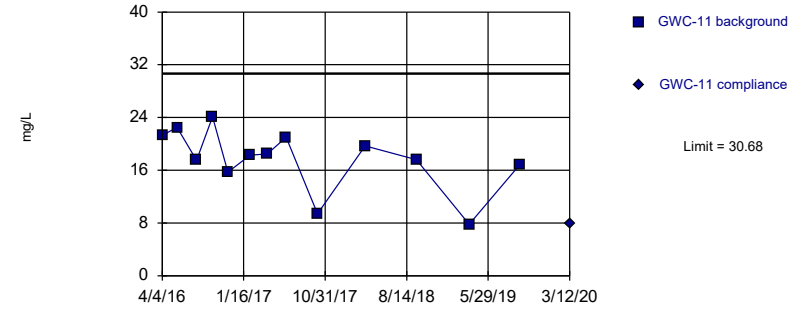


Background Data Summary: Mean=40.21, Std. Dev.=3.054, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9658, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

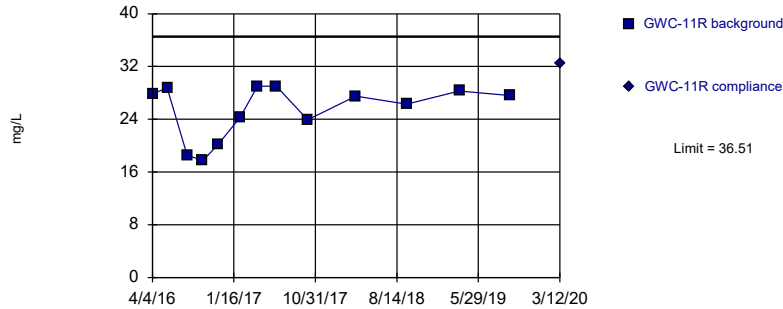


Background Data Summary: Mean=17.71, Std. Dev.=4.696, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.902, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

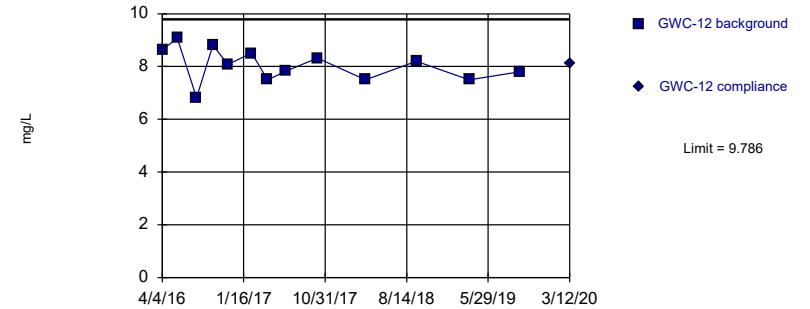


Background Data Summary: Mean=25.31, Std. Dev.=4.056, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8273, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=8.042, Std. Dev.=0.6313, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9762, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	45	
5/26/2016	41.7	
8/3/2016	35.2	
9/28/2016	39.2	
11/22/2016	37.2	
2/7/2017	38.4	
4/10/2017	38.7	
6/14/2017	40.8	
10/4/2017	40.1	
3/21/2018	43.3	
9/18/2018	45.4	
3/22/2019	37.2	
9/17/2019	40.5	
3/12/2020		43.2

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	21.3	
5/26/2016	22.5	
8/3/2016	17.5	
9/28/2016	24.1	
11/22/2016	15.7	
2/8/2017	18.3	
4/10/2017	18.5	
6/15/2017	21	
10/4/2017	9.4	
3/21/2018	19.7 (J)	
9/18/2018	17.6 (J)	
3/23/2019	7.8	
9/17/2019	16.8	
3/12/2020		8

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	27.9	
5/26/2016	28.7	
8/4/2016	18.6	
9/28/2016	17.7	
11/22/2016	20.2	
2/8/2017	24.3	
4/10/2017	29	
6/15/2017	29	
10/4/2017	23.9	
3/22/2018	27.5	
9/18/2018	26.3	
3/23/2019	28.3	
9/17/2019	27.6	
3/12/2020		32.5

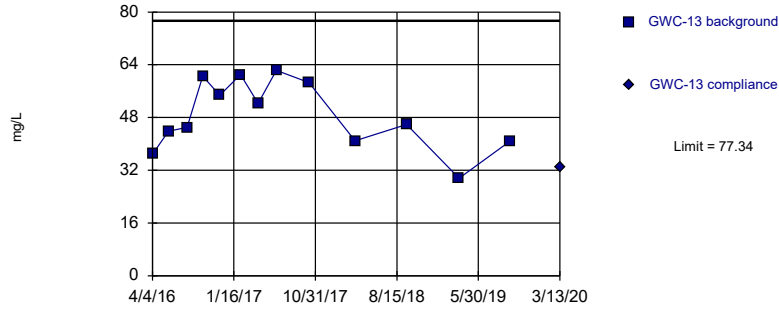
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	8.63	
5/27/2016	9.07	
8/3/2016	6.82	
9/30/2016	8.8	
11/22/2016	8.08	
2/13/2017	8.51	
4/11/2017	7.5	
6/14/2017	7.82	
10/4/2017	8.32	
3/22/2018	7.5	
9/18/2018	8.2	
3/23/2019	7.5	
9/17/2019	7.8	
3/12/2020		8.1

Within Limit

Prediction Limit
Intrawell Parametric

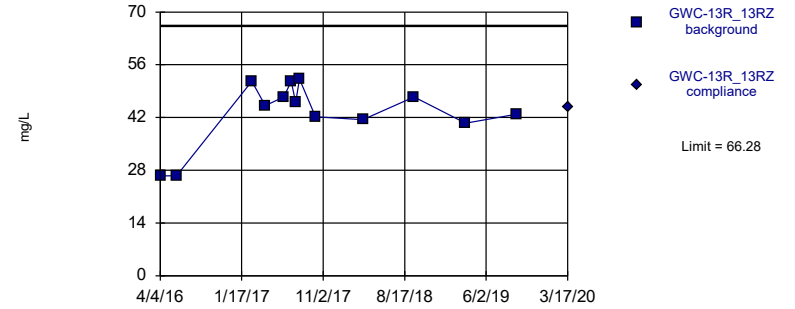


Background Data Summary: Mean=48.64, Std. Dev.=10.39, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9407, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

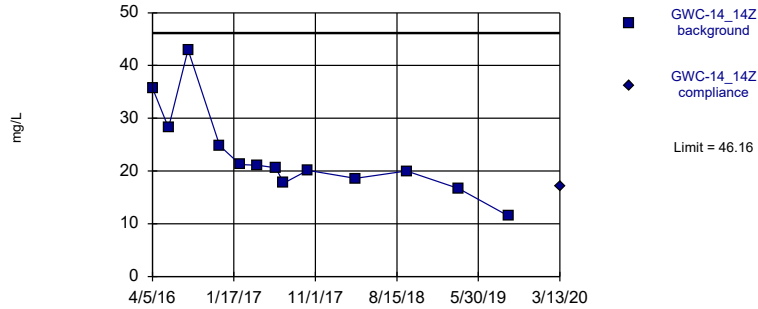


Background Data Summary: Mean=43.21, Std. Dev.=8.352, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8424, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

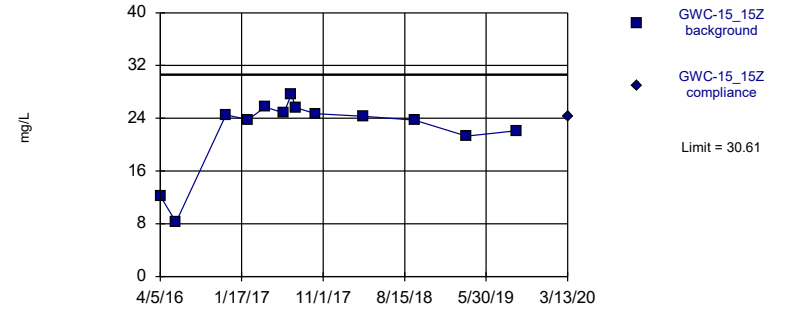


Background Data Summary: Mean=23.01, Std. Dev.=8.383, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8663, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=12616, Std. Dev.=5821, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8755, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	36.9	
5/31/2016	43.9	
8/4/2016	45	
9/29/2016	60.5	
11/28/2016	54.7	
2/9/2017	61	
4/12/2017	52.3	
6/16/2017	62.3	
10/9/2017	58.6	
3/21/2018	40.9	
9/19/2018	45.9	
3/23/2019	29.6	
9/18/2019	40.7	
3/13/2020		33

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
4/4/2016	26.5	
6/1/2016	26.6	
2/22/2017	51.6	
4/11/2017	45.2	
6/16/2017	47.5	
7/12/2017	51.6	
7/28/2017	46	
8/10/2017	52.2	
10/6/2017	42.2	
3/23/2018	41.4	
9/20/2018	47.5	
3/22/2019	40.5	
9/18/2019	42.9	
3/17/2020		44.9

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
4/5/2016	35.7	
6/1/2016	28.2	
8/9/2016	43	
11/28/2016	24.8	
2/9/2017	21.2	
4/11/2017	21.1	
6/14/2017	20.6	
7/12/2017	17.7	
10/5/2017	20.1	
3/22/2018	18.6 (J)	
9/19/2018	20 (J)	
3/22/2019	16.7 (J)	
9/17/2019	11.4	
3/13/2020		17

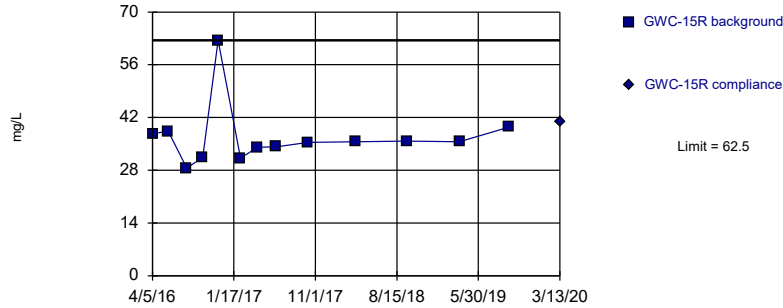
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
4/5/2016	12.2	
5/31/2016	8.24	
11/23/2016	24.5	
2/10/2017	23.8	
4/11/2017	25.7	
6/15/2017	24.8	
7/12/2017	27.7	
7/26/2017	25.6	
10/6/2017	24.7	
3/23/2018	24.3 (J)	
9/19/2018	23.7 (J)	
3/22/2019	21.3 (J)	
9/17/2019	22.1	
3/13/2020		24.2

Within Limit

Prediction Limit
Intrawell Non-parametric

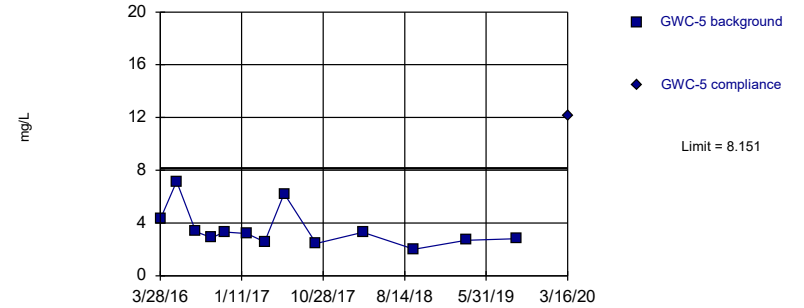


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

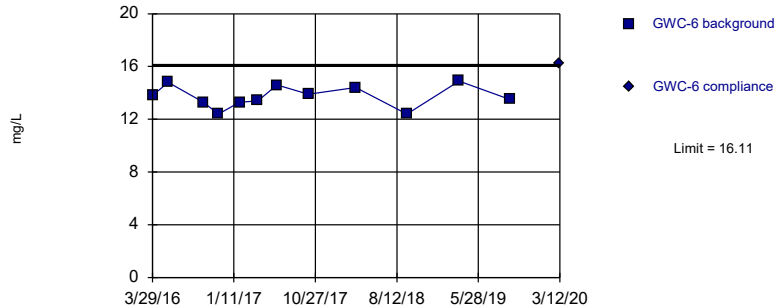


Background Data Summary (based on square root transformation): Mean=1.854, Std. Dev.=0.3624, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8414, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

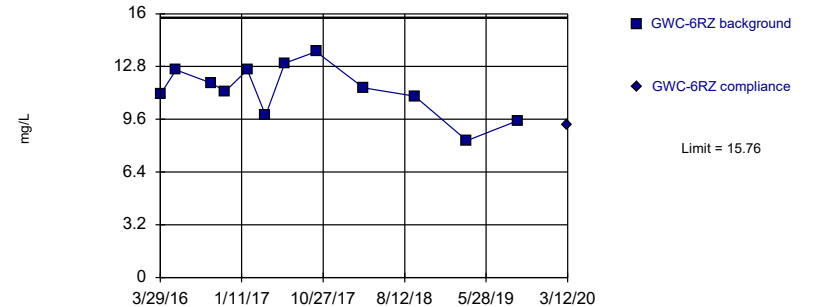


Background Data Summary: Mean=13.73, Std. Dev.=0.8433, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.933, critical = 0.805. Kappa = 2.824 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=11.35, Std. Dev.=1.561, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9681, critical = 0.805. Kappa = 2.824 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	37.7	
5/31/2016	38.4	
8/4/2016	28.6	
9/29/2016	31.4	
11/23/2016	62.5	
2/10/2017	31.2	
4/12/2017	34.1	
6/15/2017	34.2	
10/6/2017	35.4	
3/23/2018	35.6	
9/19/2018	35.7	
3/25/2019	35.6	
9/17/2019	39.5	
3/13/2020		41

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	4.29	
5/25/2016	7.15	
8/1/2016	3.35	
9/27/2016	2.89	
11/11/2016	3.33	
1/31/2017	3.21	
4/3/2017	2.57	
6/12/2017	6.22	
10/3/2017	2.45	
3/19/2018	3.3	
9/17/2018	2	
3/20/2019	2.7	
9/16/2019	2.8	
3/16/2020		12.1

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

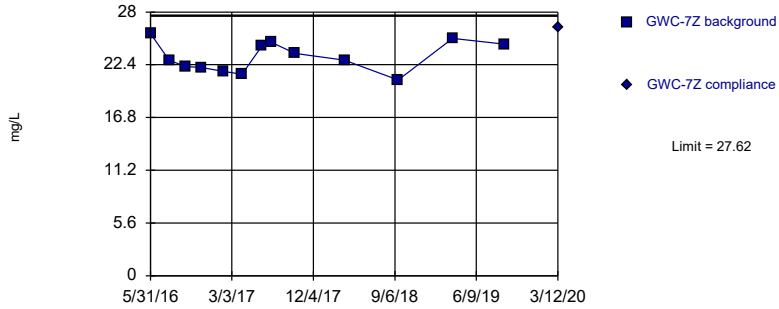
	GWC-6	GWC-6
3/29/2016	13.8	
5/24/2016	14.8	
9/26/2016	13.3	
11/18/2016	12.4	
2/1/2017	13.3	
4/6/2017	13.4	
6/13/2017	14.6	
10/3/2017	13.9	
3/19/2018	14.4 (J)	
9/17/2018	12.4 (J)	
3/21/2019	14.9 (J)	
9/16/2019	13.5	
3/12/2020		16.2

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	11.1	
5/24/2016	12.6	
9/26/2016	11.8	
11/14/2016	11.3	
2/1/2017	12.6	
4/6/2017	9.84	
6/13/2017	13	
10/3/2017	13.7	
3/20/2018	11.5 (J)	
9/17/2018	11 (J)	
3/21/2019	8.3	
9/16/2019	9.5	
3/12/2020		9.3

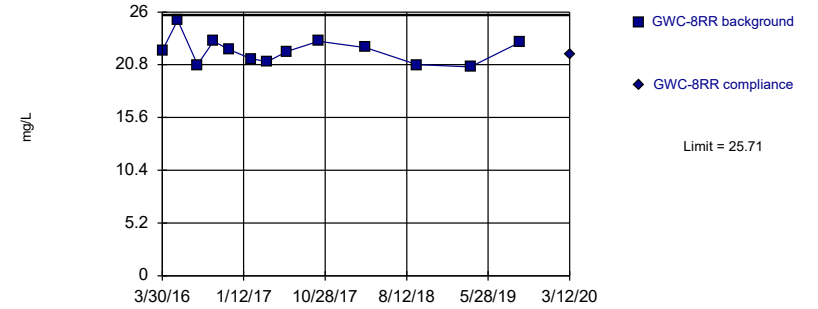
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=23.25, Std. Dev.=1.58, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

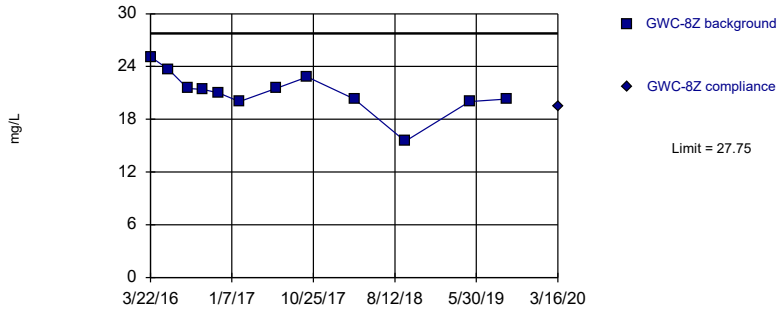
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=22.17, Std. Dev.=1.281, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

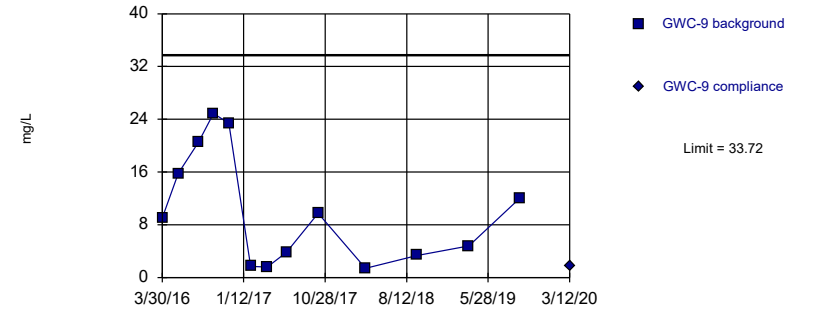
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=21.09, Std. Dev.=2.357, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9095, critical = 0.805. Kappa = 2.824 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=10.16, Std. Dev.=8.529, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.877, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	25.7	
8/2/2016	22.9	
9/27/2016	22.2	
11/21/2016	22.1	
2/1/2017	21.7	
4/6/2017	21.4	
6/13/2017	24.4	
7/14/2017	24.8	
10/3/2017	23.6	
3/20/2018	22.9 (J)	
9/18/2018	20.8 (J)	
3/21/2019	25.2	
9/13/2019	24.6	
3/12/2020		26.4

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	22.2	
5/24/2016	25.2	
8/2/2016	20.8	
9/27/2016	23.1	
11/22/2016	22.3	
2/6/2017	21.4	
4/6/2017	21.1	
6/14/2017	22.1	
10/4/2017	23.1	
3/21/2018	22.5 (J)	
9/18/2018	20.8 (J)	
3/27/2019	20.6 (J)	
9/16/2019	23	
3/12/2020		21.8

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	25.1	
5/25/2016	23.7	
8/2/2016	21.5	
9/26/2016	21.4	
11/21/2016	21	
2/3/2017	20	
6/13/2017	21.5	
10/3/2017	22.8	
3/20/2018	20.3 (J)	
9/18/2018	15.5 (J)	
5/6/2019	20 (J)	
9/16/2019	20.3	
3/16/2020		19.4

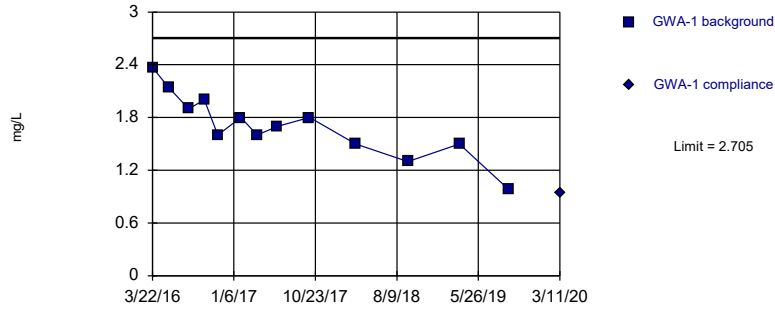
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	9.07	
5/26/2016	15.8	
8/5/2016	20.5	
9/28/2016	24.9	
11/21/2016	23.4	
2/6/2017	1.7	
4/6/2017	1.6	
6/13/2017	3.82	
10/3/2017	9.77	
3/20/2018	1.4	
9/18/2018	3.35 (D)	
3/21/2019	4.8	
9/16/2019	12	
3/12/2020		1.8

Within Limit

Prediction Limit
Intrawell Parametric

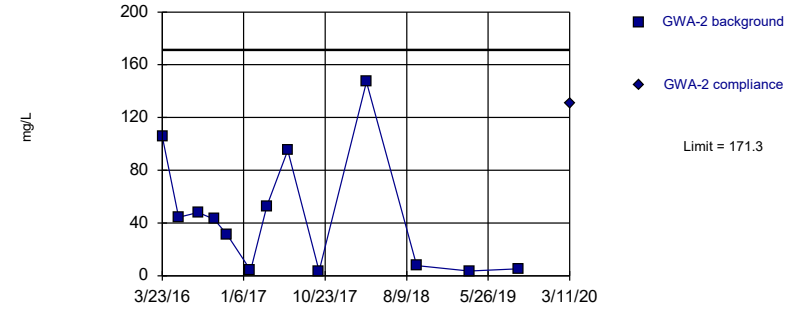


Background Data Summary: Mean=1.707, Std. Dev.=0.3615, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9884, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

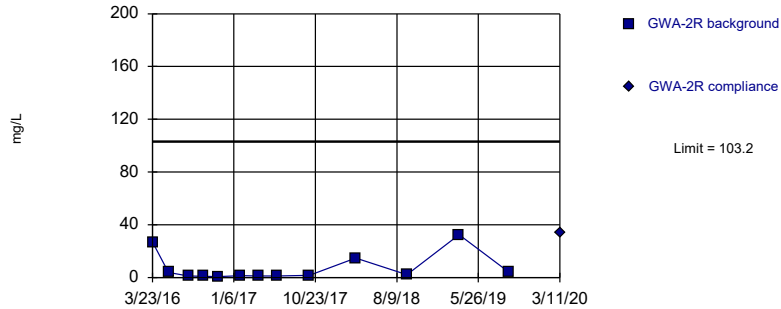


Background Data Summary: Mean=45.47, Std. Dev.=45.57, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8555, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



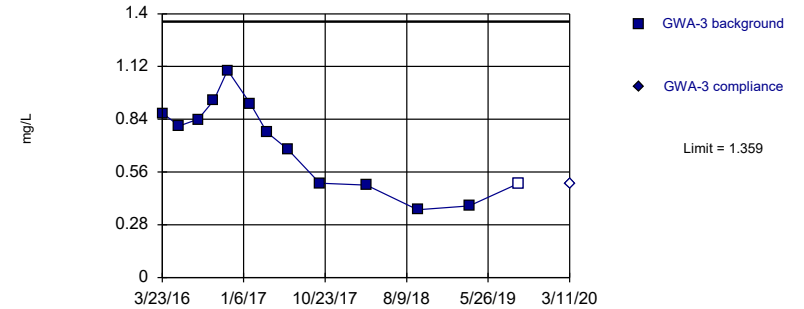
Background Data Summary (based on natural log transformation): Mean=1.076, Std. Dev.=1.289, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8468, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.7044, Std. Dev.=0.2369, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9364, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
3/22/2016	2.3685	
5/19/2016	2.14	
7/29/2016	1.9	
9/23/2016	2	
11/9/2016	1.6	
1/30/2017	1.8	
3/30/2017	1.6	
6/9/2017	1.7	
10/2/2017	1.8	
3/16/2018	1.5	
9/17/2018	1.3 (D)	
3/20/2019	1.5	
9/12/2019	0.98 (J)	
3/11/2020		0.94 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
3/23/2016	105.552	
5/20/2016	44.3	
7/29/2016	48	
9/23/2016	43	
11/9/2016	31	
1/31/2017	4.2	
3/30/2017	53	
6/12/2017	95	
10/2/2017	3.5	
3/19/2018	147	
9/14/2018	7.7	
3/20/2019	3.6	
9/12/2019	5.2	
3/11/2020		131

Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/23/2016	26.8249	
5/19/2016	3.81	
7/29/2016	1.1	
9/22/2016	0.96 (J)	
11/10/2016	0.72 (J)	
1/31/2017	1.5	
4/3/2017	1.3	
6/9/2017	1.2	
10/2/2017	1.7	
3/16/2018	14.8 (J)	
9/14/2018	2.1	
3/19/2019	32.5 (J)	
9/13/2019	3.8	
3/11/2020		34.3

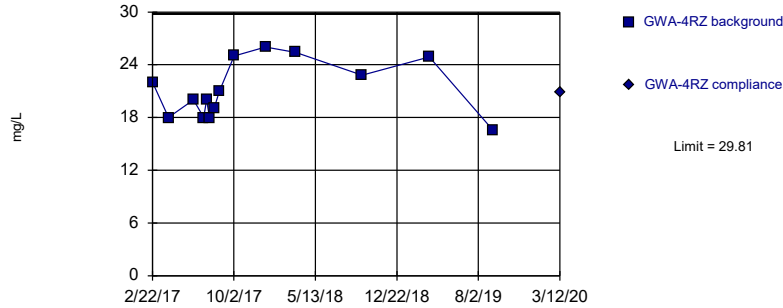
Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
3/23/2016	0.8724 (J)	
5/23/2016	0.805 (J)	
7/29/2016	0.84 (J)	
9/22/2016	0.94 (J)	
11/10/2016	1.1	
1/31/2017	0.92 (J)	
3/30/2017	0.77 (J)	
6/12/2017	0.68 (J)	
10/4/2017	0.5 (J)	
3/19/2018	0.49 (J)	
9/17/2018	0.36 (J)	
3/20/2019	0.38 (J)	
9/13/2019	<1	
3/11/2020		<1

Within Limit

Prediction Limit
Intrawell Parametric

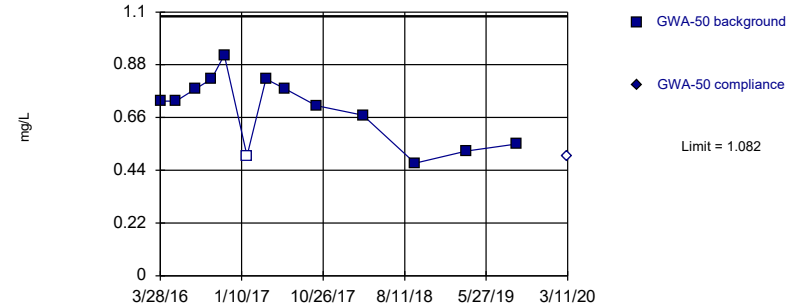


Background Data Summary: Mean=21.19, Std. Dev.=3.193, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.921, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

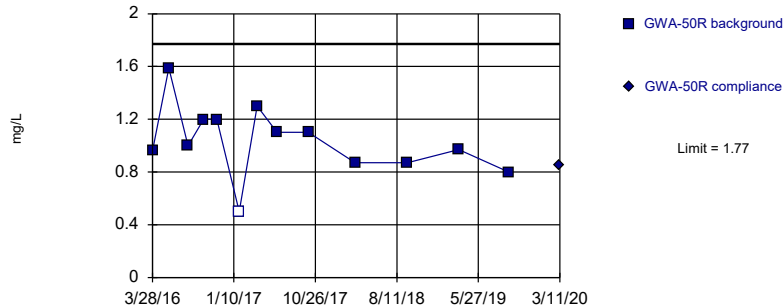


Background Data Summary: Mean=0.692, Std. Dev.=0.1413, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

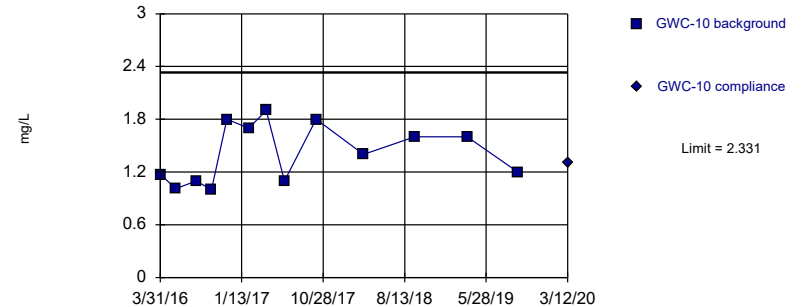


Background Data Summary: Mean=1.035, Std. Dev.=0.2659, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9736, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.414, Std. Dev.=0.332, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8902, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:09 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	22	
4/7/2017	18	
6/14/2017	20	
7/12/2017	18	
7/20/2017	20	
7/28/2017	18	
8/9/2017	19	
8/24/2017	21	
10/3/2017	25	
12/28/2017	26 (Y)	
3/21/2018	25.4	
9/18/2018	22.8	
3/21/2019	24.9	
9/12/2019	16.5	
3/12/2020		20.8

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
3/28/2016	0.7283 (J)	
5/23/2016	0.728 (J)	
8/1/2016	0.78 (J)	
9/26/2016	0.82 (J)	
11/10/2016	0.92 (J)	
1/30/2017	<1	
4/7/2017	0.82 (J)	
6/12/2017	0.78 (J)	
10/2/2017	0.71 (J)	
3/16/2018	0.67 (J)	
9/17/2018	0.47 (J)	
3/19/2019	0.52 (J)	
9/13/2019	0.55 (J)	
3/11/2020		<1

Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
3/28/2016	0.9594 (J)	
5/25/2016	1.59	
8/1/2016	1	
9/26/2016	1.2	
11/11/2016	1.2	
1/30/2017	<1	
4/3/2017	1.3	
6/12/2017	1.1	
10/2/2017	1.1	
3/16/2018	0.87 (J)	
9/18/2018	0.87 (J)	
3/19/2019	0.97 (J)	
9/12/2019	0.8 (J)	
3/11/2020		0.85 (J)

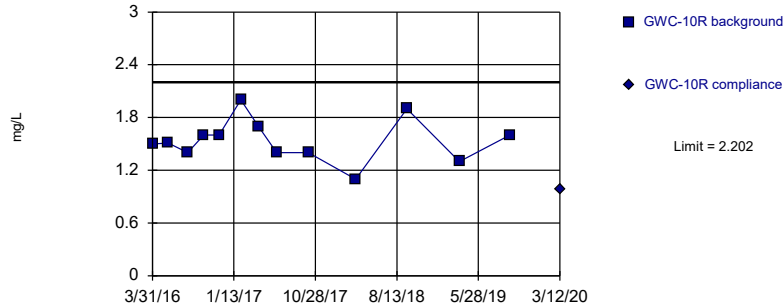
Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	1.17	
5/26/2016	1.01	
8/5/2016	1.1	
9/28/2016	1	
11/22/2016	1.8	
2/7/2017	1.7	
4/10/2017	1.9	
6/14/2017	1.1	
10/4/2017	1.8	
3/20/2018	1.4	
9/18/2018	1.6	
3/22/2019	1.6	
9/17/2019	1.2	
3/12/2020		1.3

Within Limit

Prediction Limit Intrawell Parametric

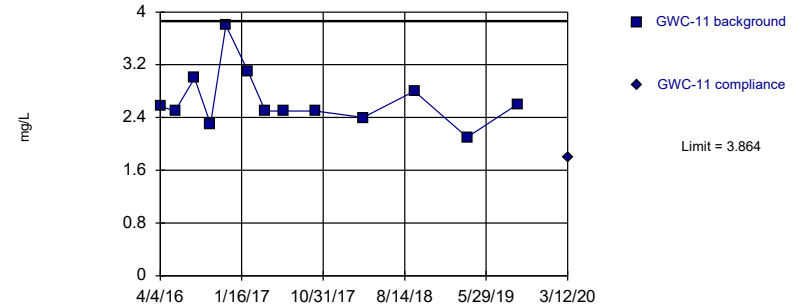


Background Data Summary: Mean=1.539, Std. Dev.=0.2398, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9641, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric

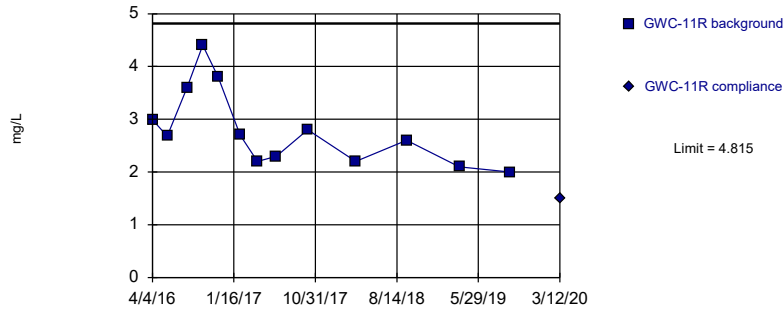


Background Data Summary: Mean=2.667, Std. Dev.=0.4333, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8549, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric



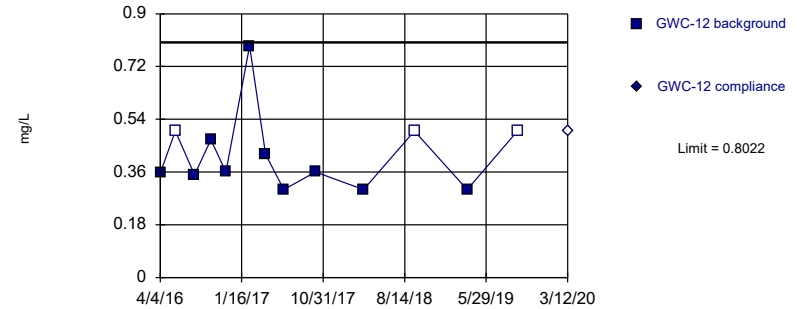
Background Data Summary: Mean=2.798, Std. Dev.=0.7303, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8882, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.6222, Std. Dev.=0.09903, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8508, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	1.5	
5/26/2016	1.51	
8/3/2016	1.4	
9/28/2016	1.6	
11/22/2016	1.6	
2/7/2017	2	
4/10/2017	1.7	
6/14/2017	1.4	
10/4/2017	1.4	
3/21/2018	1.1	
9/18/2018	1.9	
3/22/2019	1.3	
9/17/2019	1.6	
3/12/2020		0.99 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Inrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	2.57	
5/26/2016	2.5	
8/3/2016	3	
9/28/2016	2.3	
11/22/2016	3.8	
2/8/2017	3.1	
4/10/2017	2.5	
6/15/2017	2.5	
10/4/2017	2.5	
3/21/2018	2.4	
9/18/2018	2.8	
3/23/2019	2.1	
9/17/2019	2.6	
3/12/2020		1.8

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	2.99	
5/26/2016	2.68	
8/4/2016	3.6	
9/28/2016	4.4	
11/22/2016	3.8	
2/8/2017	2.7	
4/10/2017	2.2	
6/15/2017	2.3	
10/4/2017	2.8	
3/22/2018	2.2	
9/18/2018	2.6	
3/23/2019	2.1	
9/17/2019	2	
3/12/2020		1.5

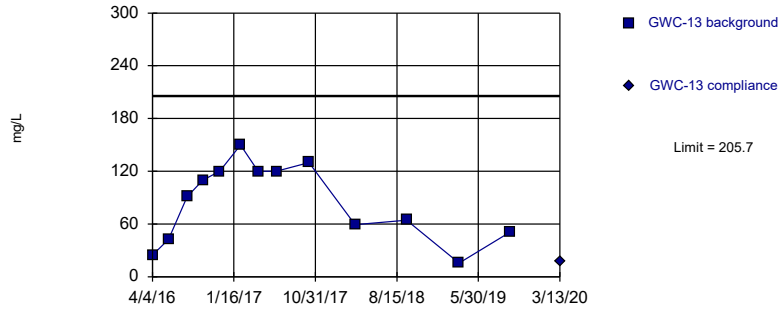
Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	0.3574 (J)	
5/27/2016	<1	
8/3/2016	0.35 (J)	
9/30/2016	0.47 (J)	
11/22/2016	0.36 (J)	
2/13/2017	0.79 (J)	
4/11/2017	0.42 (J)	
6/14/2017	0.3 (J)	
10/4/2017	0.36 (J)	
3/22/2018	0.3 (J)	
9/18/2018	<1	
3/23/2019	0.3 (J)	
9/17/2019	<1 (D)	
3/12/2020		<1

Within Limit

Prediction Limit Intrawell Parametric

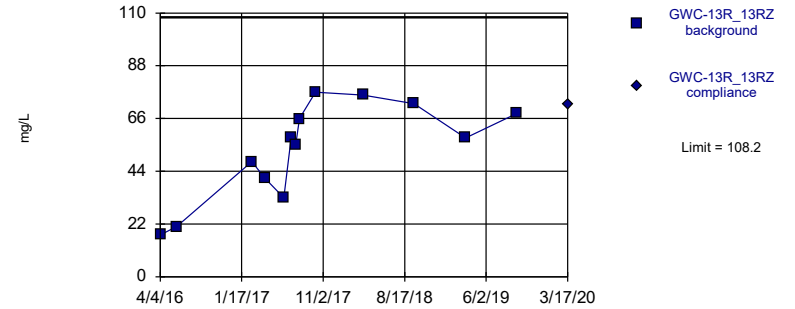


Background Data Summary: Mean=84.47, Std. Dev.=43.88, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric

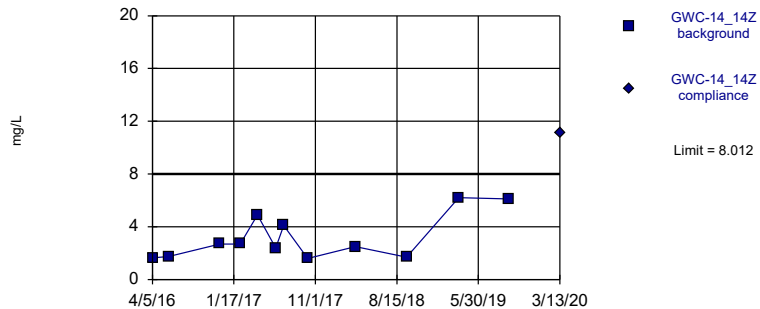


Background Data Summary: Mean=53.11, Std. Dev.=19.95, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9225, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit Intrawell Parametric

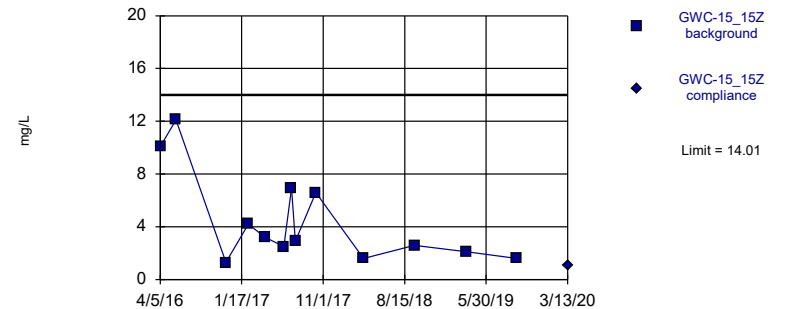


Background Data Summary: Mean=3.192, Std. Dev.=1.707, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8292, critical = 0.805. Kappa = 2.824 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=4.438, Std. Dev.=3.464, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8219, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	24.8	
5/31/2016	42.5	
8/4/2016	91	
9/29/2016	110	
11/28/2016	120	
2/9/2017	150	
4/12/2017	120	
6/16/2017	120	
10/9/2017	130	
3/21/2018	59.1	
9/19/2018	64.5	
3/23/2019	15.5 (J)	
9/18/2019	50.7	
3/13/2020		16.9

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
4/4/2016	17.5	
6/1/2016	20.9	
2/22/2017	48	
4/11/2017	41	
6/16/2017	33	
7/12/2017	58	
7/28/2017	55	
8/10/2017	66	
10/6/2017	77	
3/23/2018	75.8	
9/20/2018	72.2	
3/22/2019	57.9	
9/18/2019	68.1	
3/17/2020		72.1

Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
4/5/2016	1.65	
6/1/2016	1.75	
11/28/2016	2.7	
2/9/2017	2.7	
4/11/2017	4.9	
6/14/2017	2.4	
7/12/2017	4.1	
10/5/2017	1.6	
3/22/2018	2.5	
9/19/2018	1.7	
3/22/2019	6.2	
9/17/2019	6.1	
3/13/2020		11.1

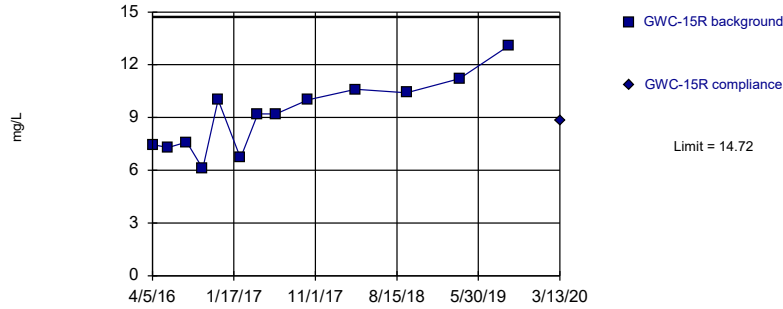
Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
4/5/2016	10.1	
5/31/2016	12.1	
11/23/2016	1.3	
2/10/2017	4.2	
4/11/2017	3.2	
6/15/2017	2.5	
7/12/2017	6.9	
7/26/2017	2.9	
10/6/2017	6.6	
3/23/2018	1.6	
9/19/2018	2.6	
3/22/2019	2.1	
9/17/2019	1.6	
3/13/2020		1.1

Within Limit

Prediction Limit
Intrawell Parametric

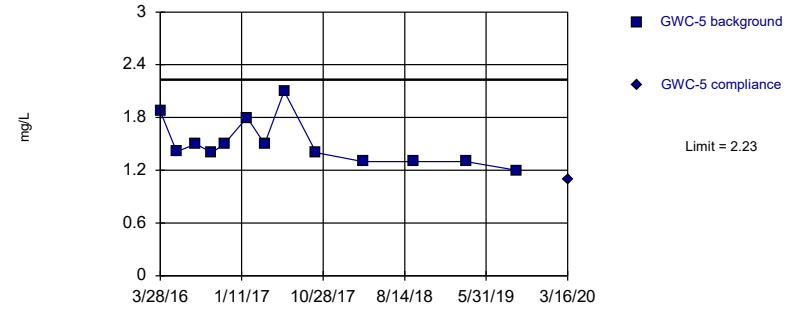


Background Data Summary: Mean=9.142, Std. Dev.=2.02, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9598, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

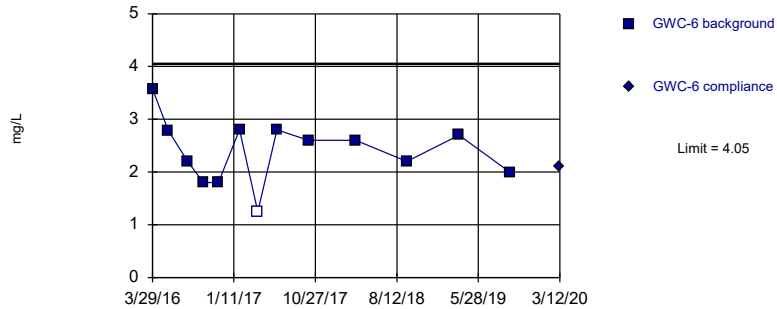


Background Data Summary: Mean=1.506, Std. Dev.=0.2621, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

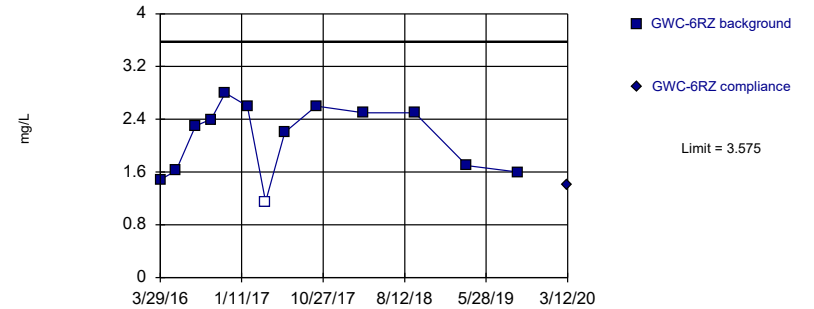


Background Data Summary: Mean=2.394, Std. Dev.=0.5998, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9582, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.112, Std. Dev.=0.5298, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	7.45	
5/31/2016	7.29	
8/4/2016	7.6	
9/29/2016	6.1	
11/23/2016	10	
2/10/2017	6.7	
4/12/2017	9.2	
6/15/2017	9.2	
10/6/2017	10	
3/23/2018	10.6	
9/19/2018	10.4	
3/25/2019	11.2	
9/17/2019	13.1	
3/13/2020		8.8

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	1.87	
5/25/2016	1.41	
8/1/2016	1.5	
9/27/2016	1.4	
11/11/2016	1.5	
1/31/2017	1.8	
4/3/2017	1.5	
6/12/2017	2.1	
10/3/2017	1.4	
3/19/2018	1.3	
9/17/2018	1.3	
3/20/2019	1.3	
9/16/2019	1.2	
3/16/2020		1.1

Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
3/29/2016	3.5801	
5/24/2016	2.79	
8/1/2016	2.2	
9/26/2016	1.8	
11/18/2016	1.8	
2/1/2017	2.8	
4/6/2017	<2.5	
6/13/2017	2.8	
10/3/2017	2.6	
3/19/2018	2.6	
9/17/2018	2.2	
3/21/2019	2.7	
9/16/2019	2	
3/12/2020		2.1

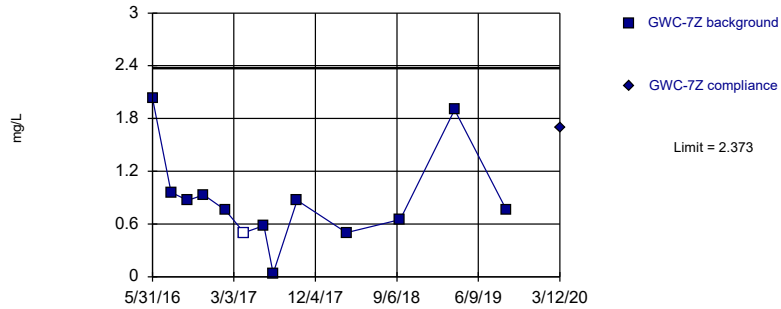
Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	1.4863	
5/24/2016	1.62	
8/1/2016	2.3	
9/26/2016	2.4	
11/14/2016	2.8	
2/1/2017	2.6	
4/6/2017	<2.3	
6/13/2017	2.2	
10/3/2017	2.6	
3/20/2018	2.5	
9/17/2018	2.5	
3/21/2019	1.7	
9/16/2019	1.6	
3/12/2020		1.4

Within Limit

Prediction Limit
Intrawell Parametric

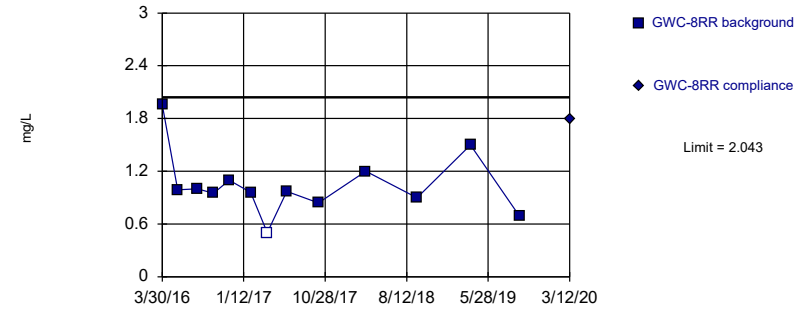


Background Data Summary: Mean=0.8731, Std. Dev.=0.5429, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8487, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

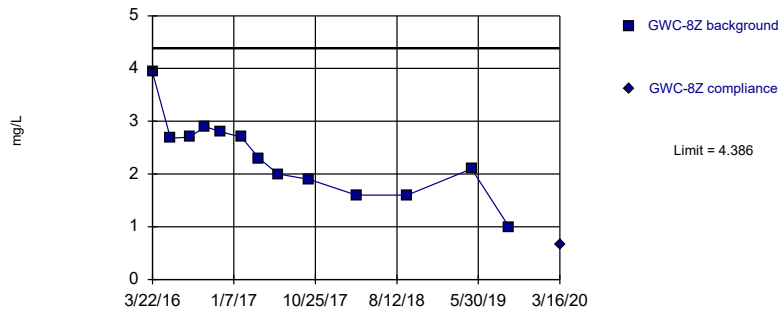


Background Data Summary: Mean=1.043, Std. Dev.=0.3621, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

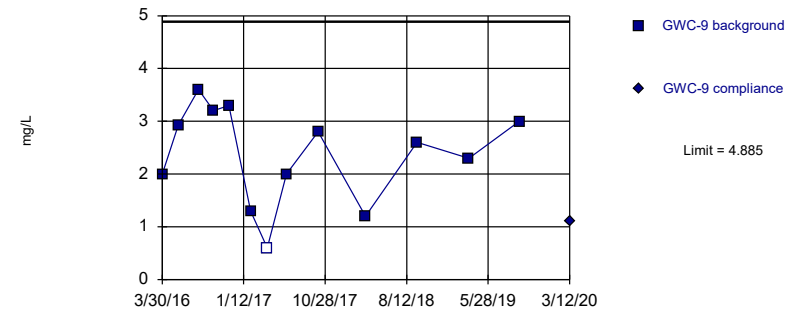


Background Data Summary: Mean=2.324, Std. Dev.=0.7467, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.372, Std. Dev.=0.9101, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9445, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	2.03	
8/2/2016	0.96 (J)	
9/27/2016	0.87 (J)	
11/21/2016	0.93 (J)	
2/1/2017	0.76 (J)	
4/6/2017	<1	
6/13/2017	0.58 (J)	
7/14/2017	0.04 (J)	
10/3/2017	0.87 (J)	
3/20/2018	0.5 (J)	
9/18/2018	0.65 (J)	
3/21/2019	1.9	
9/13/2019	0.76 (J)	
3/12/2020		1.7

Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	1.9542	
5/24/2016	0.989 (J)	
8/2/2016	1	
9/27/2016	0.95 (J)	
11/22/2016	1.1	
2/6/2017	0.96 (J)	
4/6/2017	<1	
6/14/2017	0.97 (J)	
10/4/2017	0.84 (J)	
3/21/2018	1.2	
9/18/2018	0.9 (J)	
3/27/2019	1.5	
9/16/2019	0.69 (JD)	
3/12/2020		1.8

Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Inrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	3.9321	
5/25/2016	2.68	
8/2/2016	2.7	
9/26/2016	2.9	
11/21/2016	2.8	
2/3/2017	2.7	
4/7/2017	2.3	
6/13/2017	2	
10/3/2017	1.9	
3/20/2018	1.6	
9/18/2018	1.6	
5/6/2019	2.1	
9/16/2019	1	
3/16/2020		0.66 (J)

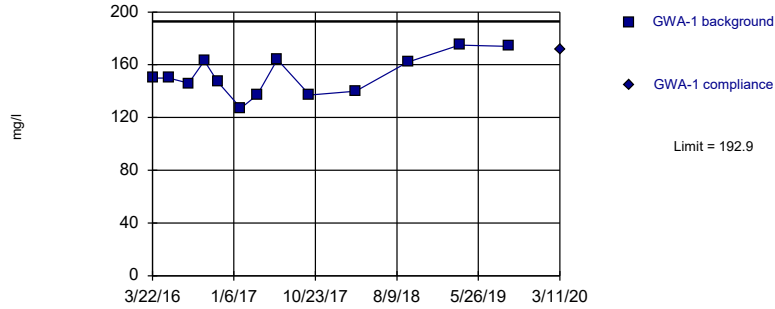
Prediction Limit

Constituent: Sulfate, as SO₄ (mg/L) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	2	
5/26/2016	2.93	
8/5/2016	3.6	
9/28/2016	3.2	
11/21/2016	3.3	
2/6/2017	1.3	
4/6/2017	<1.2	
6/13/2017	2	
10/3/2017	2.8	
3/20/2018	1.2	
9/18/2018	2.6	
3/21/2019	2.3	
9/16/2019	3	
3/12/2020		1.1

Within Limit

Prediction Limit
Intrawell Parametric

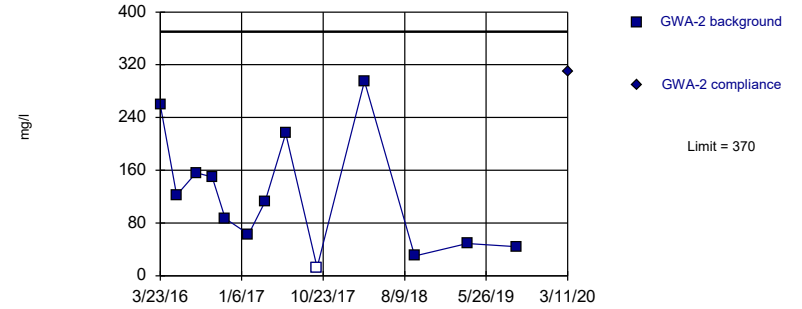


Background Data Summary: Mean=151.7, Std. Dev.=14.9, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

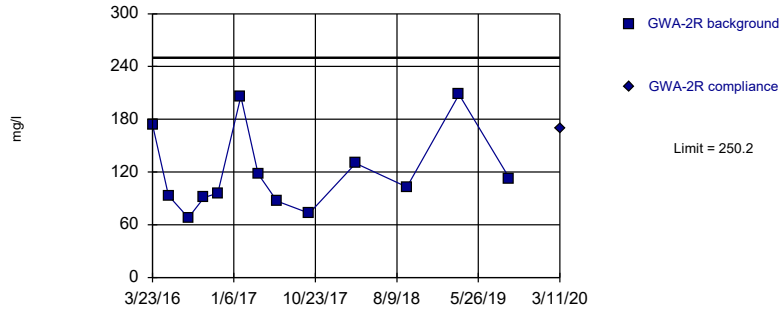


Background Data Summary: Mean=122.7, Std. Dev.=89.51, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9282, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

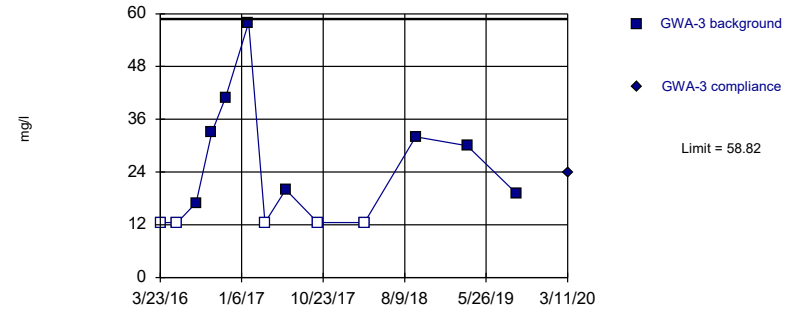


Background Data Summary: Mean=120, Std. Dev.=47.12, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8507, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=26.41, Std. Dev.=11.74, n=13, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8225, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
3/22/2016	150	
5/19/2016	150	
7/29/2016	146	
9/23/2016	163	
11/9/2016	147	
1/30/2017	127	
3/30/2017	137	
6/9/2017	164	
10/2/2017	137	
3/16/2018	140	
9/17/2018	162	
3/20/2019	175	
9/12/2019	174	
3/11/2020		172

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
3/23/2016	259	
5/20/2016	122	
7/29/2016	156	
9/23/2016	150	
11/9/2016	87	
1/31/2017	63	
3/30/2017	112	
6/12/2017	216	
10/2/2017	<25	
3/19/2018	295	
9/14/2018	30	
3/20/2019	49	
9/12/2019	44	
3/11/2020		309

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/23/2016	174	
5/19/2016	93	
7/29/2016	68	
9/22/2016	91	
11/10/2016	96	
1/31/2017	206	
4/3/2017	118	
6/9/2017	87	
10/2/2017	73	
3/16/2018	130	
9/14/2018	103	
3/19/2019	208	
9/13/2019	113	
3/11/2020		170

Prediction Limit

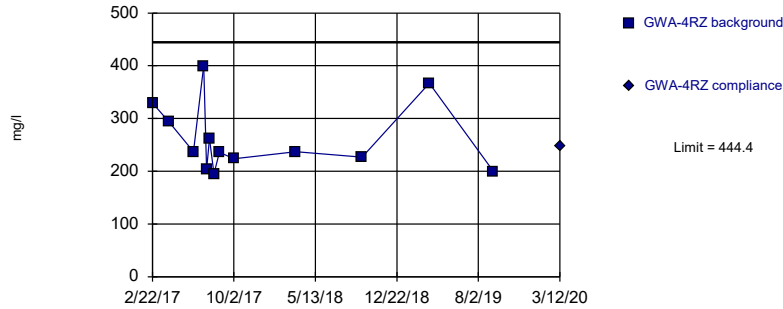
Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
3/23/2016	<25	
5/23/2016	<25	
7/29/2016	17 (J)	
9/22/2016	33	
11/10/2016	41	
1/31/2017	58	
3/30/2017	<25	
6/12/2017	20 (J)	
10/4/2017	<25	
3/19/2018	<25	
9/17/2018	32	
3/20/2019	30	
9/13/2019	19	
3/11/2020		24

Within Limit

Prediction Limit
Intrawell Parametric

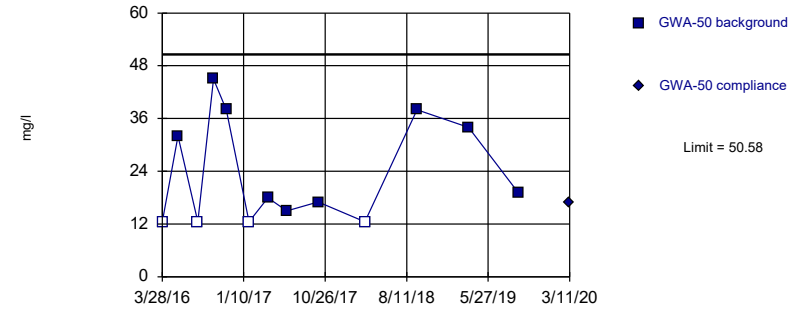


Background Data Summary: Mean=262.5, Std. Dev.=65.86, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



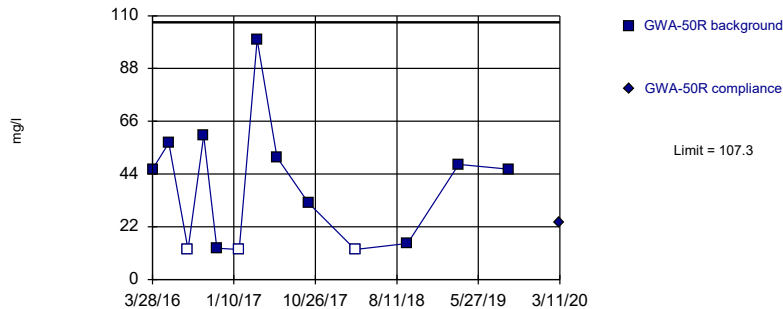
Background Data Summary (after Kaplan-Meier Adjustment): Mean=23.65, Std. Dev.=9.751, n=13, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8288, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric

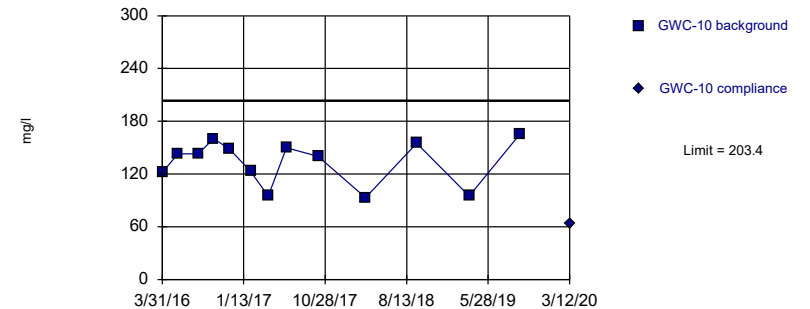


Background Data Summary (after Kaplan-Meier Adjustment): Mean=37, Std. Dev.=25.45, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8646, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=133.3, Std. Dev.=25.39, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8788, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	329	
4/7/2017	295	
6/14/2017	237	
7/12/2017	400	
7/20/2017	203	
7/28/2017	262	
8/9/2017	195	
8/24/2017	236	
10/3/2017	224	
3/21/2018	237	
9/18/2018	227	
3/21/2019	367	
9/12/2019	200	
3/12/2020		247

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
3/28/2016	<25	
5/23/2016	32	
8/1/2016	<25	
9/26/2016	45	
11/10/2016	38	
1/30/2017	<25	
4/7/2017	18 (J)	
6/12/2017	15 (J)	
10/2/2017	17 (J)	
3/16/2018	<25	
9/17/2018	38	
3/19/2019	34	
9/13/2019	19	
3/11/2020		17

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
3/28/2016	46	
5/25/2016	57	
8/1/2016	<25	
9/26/2016	60	
11/11/2016	13 (J)	
1/30/2017	<25	
4/3/2017	100	
6/12/2017	51	
10/2/2017	32	
3/16/2018	<25	
9/18/2018	15 (J)	
3/19/2019	48	
9/12/2019	46	
3/11/2020		24

Prediction Limit

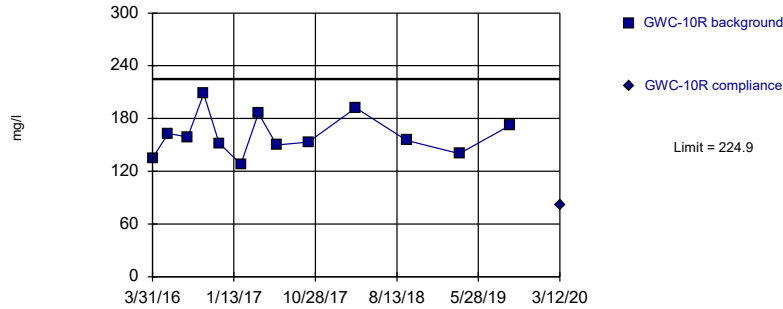
Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	122	
5/26/2016	143	
8/5/2016	143	
9/28/2016	160	
11/22/2016	149	
2/7/2017	123	
4/10/2017	95	
6/14/2017	150	
10/4/2017	140	
3/20/2018	93	
9/18/2018	155	
3/22/2019	95	
9/17/2019	165	
3/12/2020		63

Within Limit

Prediction Limit
Intrawell Parametric

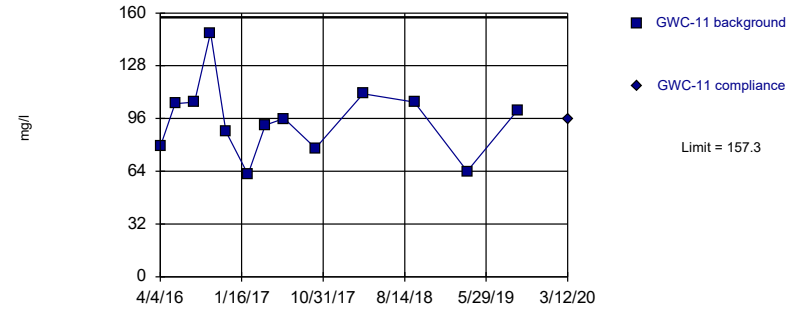


Background Data Summary: Mean=161, Std. Dev.=23.15, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9509, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

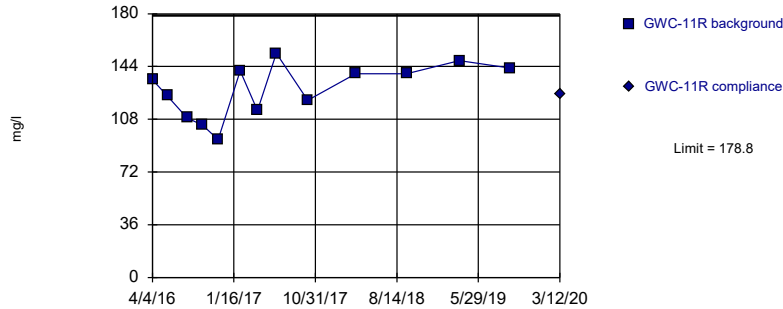


Background Data Summary: Mean=95.08, Std. Dev.=22.54, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9332, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

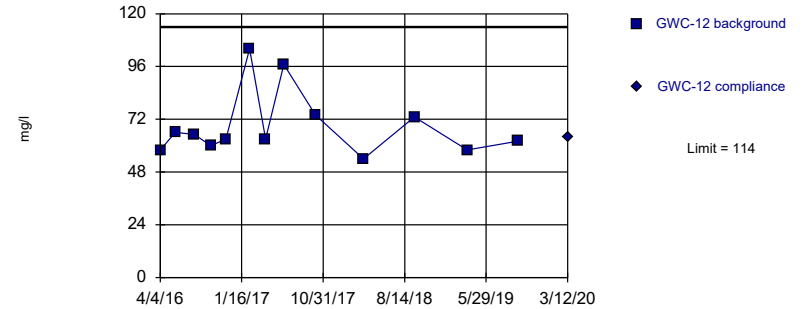


Background Data Summary: Mean=128, Std. Dev.=18.4, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=4.084, Std. Dev.=0.2771, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8229, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	135	
5/26/2016	163	
8/3/2016	159	
9/28/2016	208	
11/22/2016	152	
2/7/2017	128	
4/10/2017	186	
6/14/2017	150	
10/4/2017	153	
3/21/2018	192	
9/18/2018	155	
3/22/2019	140	
9/17/2019	172	
3/12/2020		81

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	79	
5/26/2016	105	
8/3/2016	106	
9/28/2016	148	
11/22/2016	88	
2/8/2017	62	
4/10/2017	92	
6/15/2017	96	
10/4/2017	78	
3/21/2018	111	
9/18/2018	106	
3/23/2019	64	
9/17/2019	101	
3/12/2020		96

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	135	
5/26/2016	124	
8/4/2016	109	
9/28/2016	104	
11/22/2016	94	
2/8/2017	141 (J)	
4/10/2017	114	
6/15/2017	153	
10/4/2017	121	
3/22/2018	139	
9/18/2018	139	
3/23/2019	148	
9/17/2019	143	
3/12/2020		125

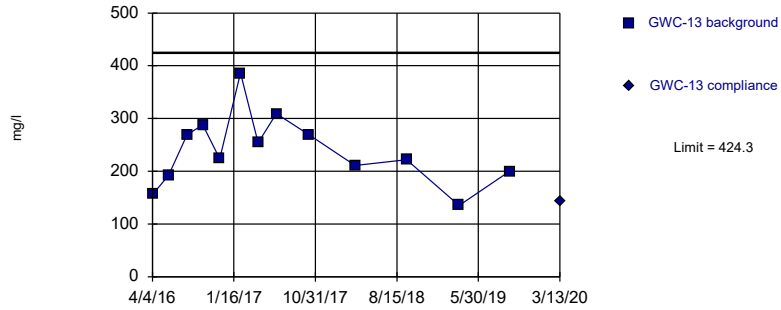
Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	58	
5/27/2016	66	
8/3/2016	65	
9/30/2016	60	
11/22/2016	63	
2/13/2017	104 (J)	
4/11/2017	63	
6/14/2017	97	
10/4/2017	74	
3/22/2018	54	
9/18/2018	73	
3/23/2019	58	
9/17/2019	62	
3/12/2020		64

Within Limit

Prediction Limit
Intrawell Parametric

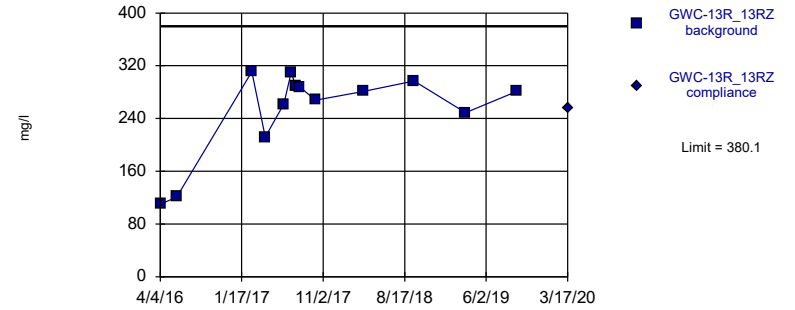


Background Data Summary: Mean=239.6, Std. Dev.=66.87, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

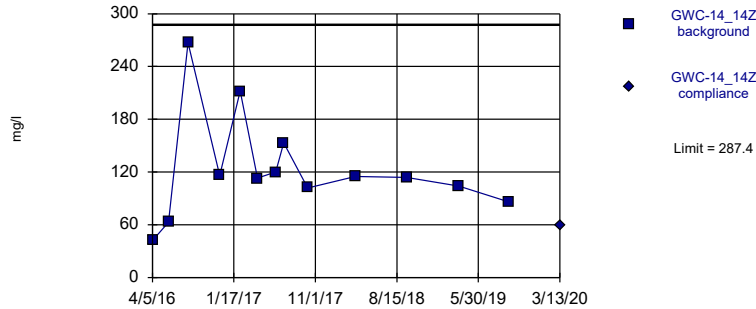


Background Data Summary (based on square transformation): Mean=67659, Std. Dev.=27810, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8439, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

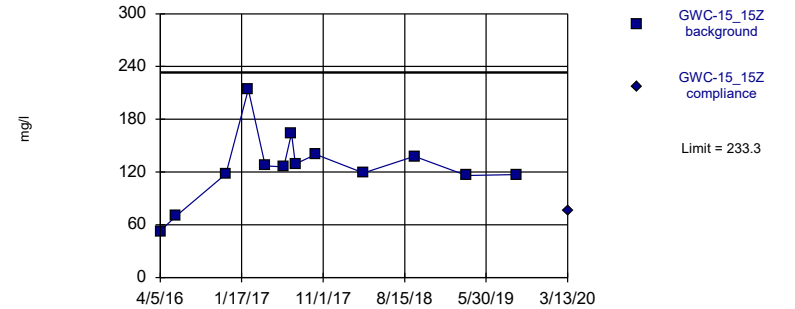


Background Data Summary: Mean=123.6, Std. Dev.=59.29, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8627, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=125.5, Std. Dev.=39.04, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9033, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	156	
5/31/2016	192	
8/4/2016	269	
9/29/2016	288	
11/28/2016	224	
2/9/2017	386	
4/12/2017	254	
6/16/2017	309	
10/9/2017	269	
3/21/2018	211	
9/19/2018	222	
3/23/2019	135	
9/18/2019	200	
3/13/2020		143

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13R_13RZ	GWC-13R_13RZ
4/4/2016	110	
6/1/2016	121	
2/22/2017	311	
4/11/2017	212	
6/16/2017	262	
7/12/2017	310	
7/28/2017	289	
8/10/2017	288	
10/6/2017	268	
3/23/2018	281	
9/20/2018	297	
3/22/2019	249	
9/18/2019	281	
3/17/2020		256

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14_14Z	GWC-14_14Z
4/5/2016	42	
6/1/2016	63	
8/9/2016	267	
11/28/2016	116	
2/9/2017	212 (J)	
4/11/2017	113	
6/14/2017	120	
7/12/2017	153	
10/5/2017	102	
3/22/2018	115	
9/19/2018	114	
3/22/2019	104	
9/17/2019	86	
3/13/2020		59

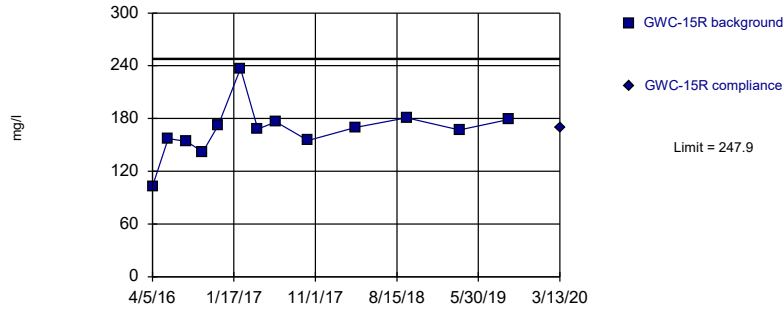
Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15_15Z	GWC-15_15Z
4/5/2016	53	
5/31/2016	70	
11/23/2016	118	
2/10/2017	214	
4/11/2017	127	
6/15/2017	126	
7/12/2017	164	
7/26/2017	129	
10/6/2017	140	
3/23/2018	119	
9/19/2018	138	
3/22/2019	116	
9/17/2019	117	
3/13/2020		76

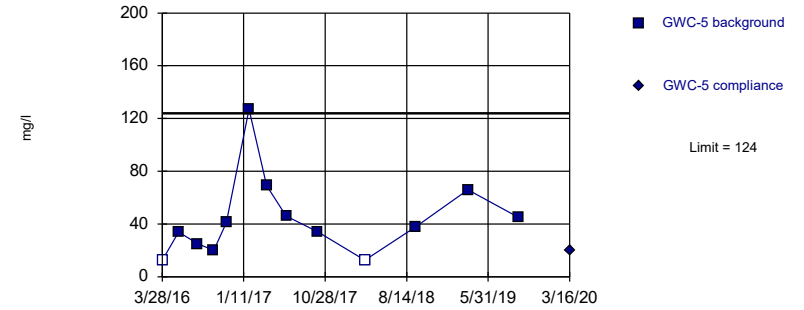
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=166.2, Std. Dev.=29.56, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8829, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

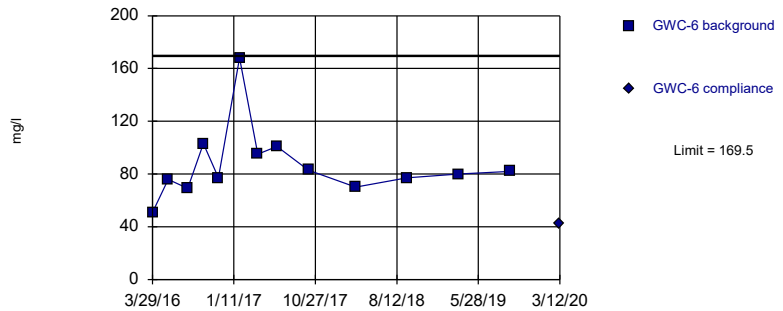
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=43.54, Std. Dev.=29.12, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8322, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

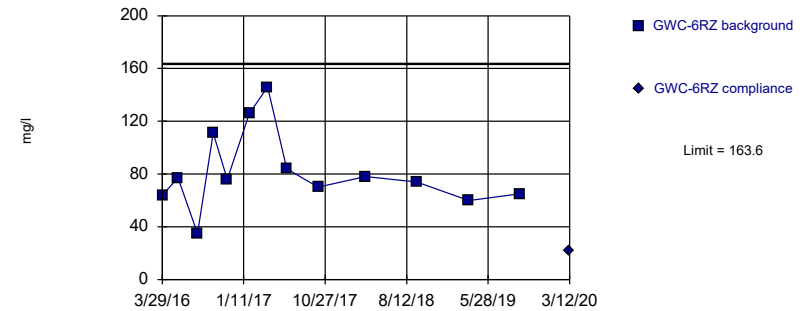
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=9.238, Std. Dev.=1.368, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.848, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=82, Std. Dev.=29.54, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8998, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	103	
5/31/2016	157	
8/4/2016	154	
9/29/2016	142	
11/23/2016	172	
2/10/2017	237	
4/12/2017	168	
6/15/2017	176	
10/6/2017	155	
3/23/2018	170	
9/19/2018	181	
3/25/2019	167	
9/17/2019	179	
3/13/2020		169

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	<25	
5/25/2016	34	
8/1/2016	25	
9/27/2016	20 (J)	
11/11/2016	41	
1/31/2017	127	
4/3/2017	69	
6/12/2017	46	
10/3/2017	34	
3/19/2018	<25	
9/17/2018	38	
3/20/2019	66	
9/16/2019	45	
3/16/2020		20

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
3/29/2016	51	
5/24/2016	76	
8/1/2016	69	
9/26/2016	103	
11/18/2016	77	
2/1/2017	168	
4/6/2017	95	
6/13/2017	101	
10/3/2017	83	
3/19/2018	70	
9/17/2018	77	
3/21/2019	80	
9/16/2019	82	
3/12/2020		42

Prediction Limit

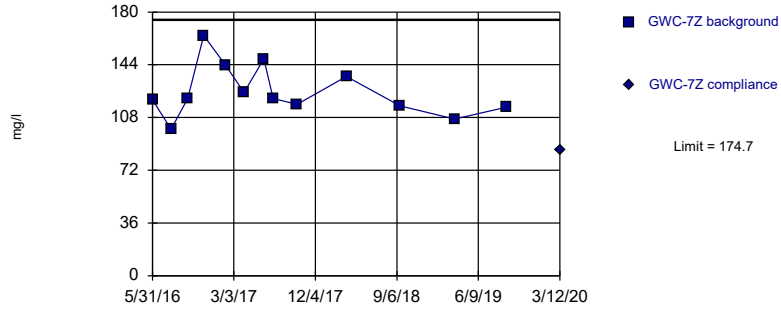
Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	64	
5/24/2016	77	
8/1/2016	35	
9/26/2016	111	
11/14/2016	76	
2/1/2017	126	
4/6/2017	146	
6/13/2017	84	
10/3/2017	70	
3/20/2018	78	
9/17/2018	74	
3/21/2019	60	
9/16/2019	65	
3/12/2020		22

Within Limit

Prediction Limit
Intrawell Parametric

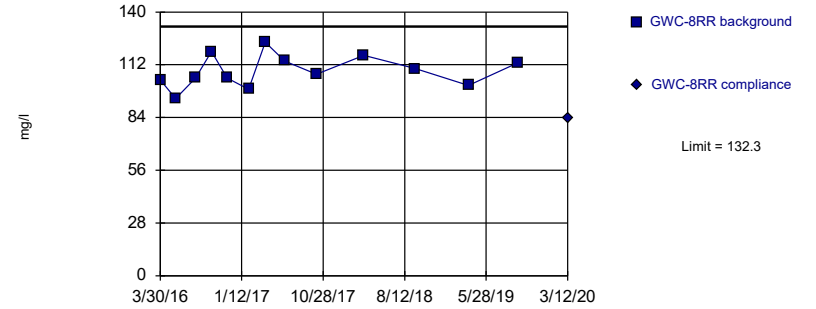


Background Data Summary: Mean=125.7, Std. Dev.=17.74, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9302, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

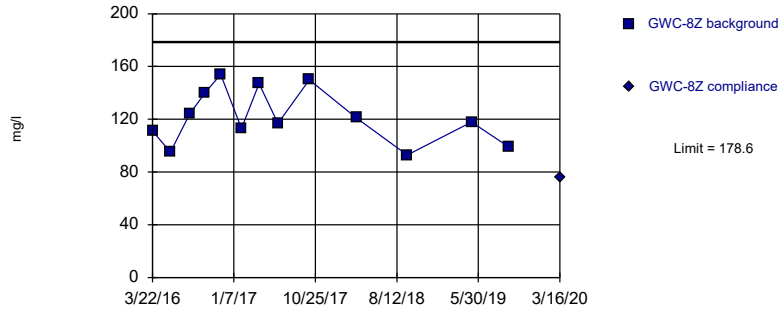


Background Data Summary: Mean=108.6, Std. Dev.=8.559, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9861, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

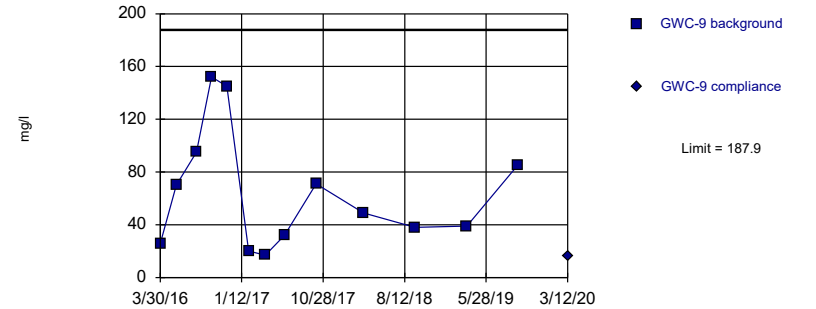


Background Data Summary: Mean=121.7, Std. Dev.=20.62, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9311, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=64.54, Std. Dev.=44.65, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8775, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 4/14/2020 11:10 AM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	120	
8/2/2016	100	
9/27/2016	121	
11/21/2016	164	
2/1/2017	144	
4/6/2017	125	
6/13/2017	148	
7/14/2017	121	
10/3/2017	117	
3/20/2018	136	
9/18/2018	116	
3/21/2019	107	
9/13/2019	115	
3/12/2020		86

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	104	
5/24/2016	94	
8/2/2016	105	
9/27/2016	119	
11/22/2016	105	
2/6/2017	99	
4/6/2017	124	
6/14/2017	114	
10/4/2017	107	
3/21/2018	117	
9/18/2018	110	
3/27/2019	101	
9/16/2019	113	
3/12/2020		84

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	111	
5/25/2016	95	
8/2/2016	124	
9/26/2016	140	
11/21/2016	154	
2/3/2017	113	
4/7/2017	147	
6/13/2017	117	
10/3/2017	150	
3/20/2018	121	
9/18/2018	93	
5/6/2019	118	
9/16/2019	99	
3/16/2020		76

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/14/2020 11:12 AM View: App III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	26	
5/26/2016	70	
8/5/2016	95	
9/28/2016	152	
11/21/2016	145	
2/6/2017	20 (J)	
4/6/2017	17 (J)	
6/13/2017	32	
10/3/2017	71	
3/20/2018	49	
9/18/2018	38	
3/21/2019	39	
9/16/2019	85	
3/12/2020		16

FIGURE H.

Appendix III Interwell Prediction Limits Summary Table - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Chloride (mg/L)	GWC-10R	2.988	n/a	3/12/2020	3	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-13	2.988	n/a	3/13/2020	3.3	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-13R_13RZ	2.988	n/a	3/17/2020	7.7	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	GWC-14_14Z	2.988	n/a	3/13/2020	4.2	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2
pH (pH units)	GWC-15_15Z	7.65	5.07	3/13/2020	7.68	Yes	99	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8RR	7.65	5.07	3/12/2020	8.02	Yes	99	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-9	7.65	5.07	3/12/2020	4.82	Yes	99	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Boron (mg/L)	GWC-10	0.04	n/a	3/12/2020	0.04ND	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10R	0.04	n/a	3/12/2020	0.005	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.04	n/a	3/12/2020	0.04ND	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11R	0.04	n/a	3/12/2020	0.0058	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.04	n/a	3/12/2020	0.04ND	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.04	n/a	3/13/2020	0.014	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13R_13RZ	0.04	n/a	3/17/2020	0.017	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-14_14Z	0.04	n/a	3/13/2020	0.0081	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-15_15Z	0.04	n/a	3/13/2020	0.0054	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-15R	0.04	n/a	3/13/2020	0.0064	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.04	n/a	3/16/2020	0.04ND	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6	0.04	n/a	3/12/2020	0.0061	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6RZ	0.04	n/a	3/12/2020	0.0052	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-7Z	0.04	n/a	3/12/2020	0.0057	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8RR	0.04	n/a	3/12/2020	0.04ND	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8Z	0.04	n/a	3/16/2020	0.04ND	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.04	n/a	3/12/2020	0.0058	No	98	n/a	n/a	n/a	71.43	n/a	0.0001999	NP Inter (NDs) 1 of 2
Chloride (mg/L)	GWC-10	2.988	n/a	3/12/2020	2.3	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-10R	2.988	n/a	3/12/2020	3	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-11	2.988	n/a	3/12/2020	1	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-11R	2.988	n/a	3/12/2020	1.5	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-12	2.988	n/a	3/12/2020	0.84	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-13	2.988	n/a	3/13/2020	3.3	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-13R_13RZ	2.988	n/a	3/17/2020	7.7	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-14_14Z	2.988	n/a	3/13/2020	4.2	Yes	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-15_15Z	2.988	n/a	3/13/2020	0.7	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-15R	2.988	n/a	3/13/2020	1.6	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-5	2.988	n/a	3/16/2020	0.67	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-6	2.988	n/a	3/12/2020	1.3	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-6RZ	2.988	n/a	3/12/2020	1.3	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-7Z	2.988	n/a	3/12/2020	0.72	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-8RR	2.988	n/a	3/12/2020	0.93	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-8Z	2.988	n/a	3/16/2020	1.3	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Chloride (mg/L)	GWC-9	2.988	n/a	3/12/2020	1.9	No	98	1.177	0.2634	6.122	None	0.0004426	Param Inter 1 of 2	
Fluoride (mg/L)	GWC-10	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10R	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11R	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-13	0.3	n/a	3/13/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-13R_13RZ	0.3	n/a	3/17/2020	0.11	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-14_14Z	0.3	n/a	3/13/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-15_15Z	0.3	n/a	3/13/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-15R	0.3	n/a	3/13/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-5	0.3	n/a	3/16/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-6	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-6RZ	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-7Z	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-8RR	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-8Z	0.3	n/a	3/16/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.3	n/a	3/12/2020	0.3ND	No	97	n/a	n/a	n/a	51.55	n/a	0.0002042	NP Inter (NDs) 1 of 2
pH (pH units)	GWC-10	7.65	5.07	3/12/2020	6.43	No	99	n/a	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-10R	7.65	5.07	3/12/2020	7.49	No	99	n/a	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11	7.65	5.07	3/12/2020	6.3	No	99	n/a	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11R	7.65	5.07	3/12/2020	7.6	No	99	n/a	n/a	n/a	0	n/a	0.0003911	NP Inter (normality) 1 of 2

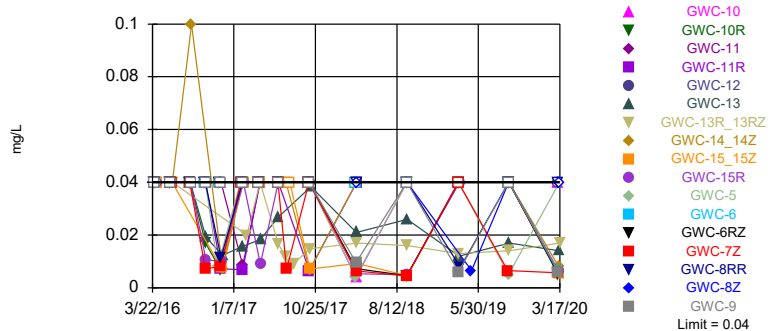
Appendix III Interwell Prediction Limits Summary Table - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/14/2020, 11:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
pH (pH units)	GWC-12	7.65	5.07	3/12/2020	6.17	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-13	7.65	5.07	3/13/2020	7.25	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-13R_13RZ	7.65	5.07	3/17/2020	7.62	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-14_14Z	7.65	5.07	3/13/2020	6.16	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-15_15Z	7.65	5.07	3/13/2020	7.68	Yes	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-15R	7.65	5.07	3/13/2020	7.56	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-5	7.65	5.07	3/16/2020	6.88	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-6	7.65	5.07	3/12/2020	7.4	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-6RZ	7.65	5.07	3/12/2020	6.88	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-7Z	7.65	5.07	3/12/2020	7.53	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8RR	7.65	5.07	3/12/2020	8.02	Yes	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8Z	7.65	5.07	3/16/2020	7.01	No	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2
pH (pH units)	GWC-9	7.65	5.07	3/12/2020	4.82	Yes	99	n/a	n/a	n/a	0	n/a	n/a	0.0003911	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

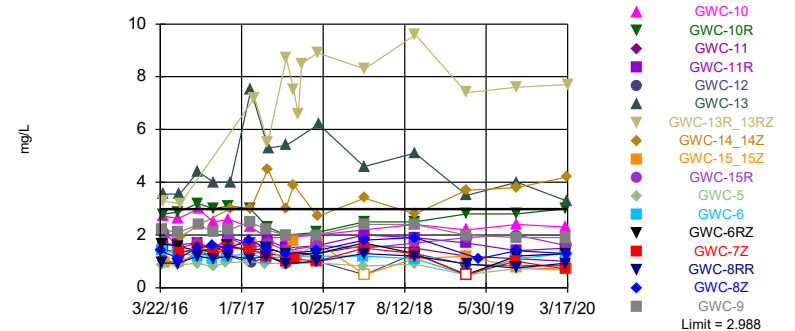


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 98 background values. 71.43% NDs. Annual per-constituent alpha = 0.006774. Individual comparison alpha = 0.0001999 (1 of 2). Comparing 17 points to limit.

Constituent: Boron Analysis Run 4/14/2020 11:17 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit: GWC-10R, GWC-13, GWC-13R_13RZ, GWC-14_14Z

Prediction Limit
Interwell Parametric

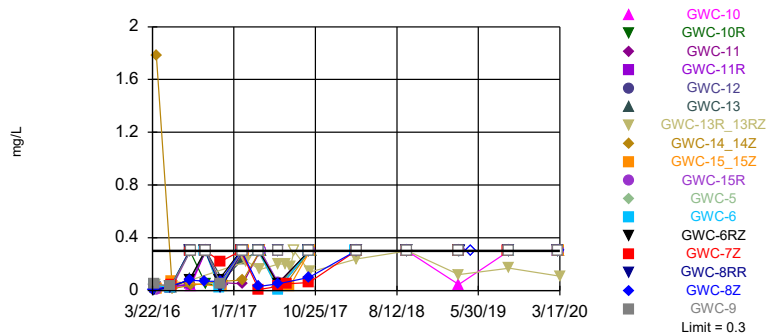


Background Data Summary (based on square root transformation): Mean=1.177, Std. Dev.=0.2634, n=98, 6.122% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9683, critical = 0.966. Kappa = 2.094 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0004426. Comparing 17 points to limit.

Constituent: Chloride Analysis Run 4/14/2020 11:17 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Interwell Non-parametric

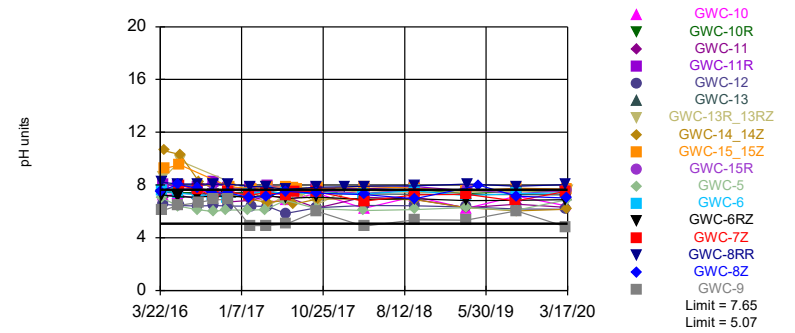


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 97 background values. 51.55% NDs. Annual per-constituent alpha = 0.00692. Individual comparison alpha = 0.0002042 (1 of 2). Comparing 17 points to limit.

Constituent: Fluoride Analysis Run 4/14/2020 11:17 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limits: GWC-15_15Z, GWC-8RR, GWC-9

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 99 background values. Annual per-constituent alpha = 0.01326. Individual comparison alpha = 0.0003911 (1 of 2). Comparing 17 points to limit.

Constituent: pH Analysis Run 4/14/2020 11:17 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6
3/22/2016	<0.04	<0.04							
3/23/2016			<0.04	<0.04	<0.04				
3/28/2016						<0.04	<0.04	<0.04	
3/29/2016									<0.04
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	<0.04			<0.04					
5/20/2016					<0.04				
5/23/2016			<0.04				<0.04		
5/24/2016									<0.04
5/25/2016		<0.04				<0.04		<0.04	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	<0.04		<0.04	<0.04	<0.04				
8/1/2016						<0.04	<0.04	<0.04	<0.04
8/2/2016		<0.04							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016			<0.04	<0.04					
9/23/2016	<0.04				<0.04				
9/26/2016		<0.04				<0.04	<0.04		<0.04
9/27/2016								<0.04	
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	<0.04				<0.04				
11/10/2016			<0.04	<0.04			<0.04		
11/11/2016						0.0193 (J)		0.0083 (J)	
11/14/2016									
11/18/2016									<0.04
11/21/2016		<0.04							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	<0.04					<0.04	<0.04		
1/31/2017			<0.04	<0.04	<0.04			<0.04	
2/1/2017									<0.04
2/3/2017		<0.04							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	0.0065 (J)		<0.04		<0.04				

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10	GWC-10R	GWC-13R_13RZ	GWC-13	GWC-11	GWC-12
4/3/2017									
4/6/2017	<0.04	<0.04	<0.04						
4/7/2017									
4/10/2017				<0.04	<0.04			<0.04	
4/11/2017						<0.04			<0.04
4/12/2017							0.0183 (J)		
6/9/2017									
6/12/2017									
6/13/2017	<0.04		<0.04						
6/14/2017		<0.04		<0.04	<0.04				<0.04
6/15/2017								<0.04	
6/16/2017						0.0163 (J)	0.0269 (J)		
7/12/2017						0.0117 (J)			
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017						0.0071 (J)			
8/9/2017									
8/10/2017						0.0093 (J)			
8/24/2017									
10/2/2017									
10/3/2017	<0.04		<0.04						
10/4/2017		<0.04		<0.04	<0.04			<0.04	<0.04
10/5/2017									
10/6/2017						0.0148 (J)			
10/9/2017							0.0383 (J)		
3/16/2018									
3/19/2018									
3/20/2018	0.0073 (J)		0.0096 (J)	0.004 (J)					
3/21/2018		<0.04			<0.04		0.021 (J)	<0.04	
3/22/2018									<0.04
3/23/2018						0.017 (J)			
9/14/2018									
9/17/2018	0.0046 (J)								
9/18/2018		<0.04	<0.04 (D)	<0.04	<0.04			<0.04	<0.04
9/19/2018							0.026 (J)		
9/20/2018						0.016 (J)			
3/19/2019									
3/20/2019									
3/21/2019	<0.04		0.006 (J)						
3/22/2019				<0.04	<0.04	0.013 (J)			
3/23/2019							0.012 (J)	<0.04	<0.04
3/25/2019									
3/27/2019		0.0078 (J)							
5/6/2019									
9/12/2019									
9/13/2019									
9/16/2019	<0.04	<0.04 (D)	<0.04						
9/17/2019				<0.04	<0.04			<0.04	<0.04 (D)
9/18/2019						0.014 (X)	0.017 (J)		
3/11/2020									
3/12/2020	0.0052 (J)	<0.04	0.0058 (J)	<0.04	0.005 (J)			<0.04	<0.04

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10	GWC-10R	GWC-13R_13RZ	GWC-13	GWC-11	GWC-12
3/13/2020							0.014 (J)		
3/16/2020									
3/17/2020						0.017 (J)			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	<0.04					
4/5/2016		<0.04	<0.04	<0.04		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016	<0.04					
5/27/2016						
5/31/2016		<0.04		<0.04	<0.04	
6/1/2016			<0.04			
7/29/2016						
8/1/2016						
8/2/2016					<0.04	
8/3/2016						
8/4/2016	<0.04			<0.04		
8/5/2016						
8/9/2016			0.0998 (D)			
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					0.0073 (J)	
9/28/2016	<0.04					
9/29/2016				0.0106 (J)		
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					0.008 (J)	
11/22/2016	0.0072 (J)					
11/23/2016		0.0076 (J)		0.0099 (J)		
11/28/2016			0.0072 (J)			
1/30/2017						
1/31/2017						
2/1/2017					<0.04	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017	0.0069 (J)					
2/9/2017			<0.04			
2/10/2017		<0.04		<0.04		
2/13/2017						
2/22/2017						0.022 (J)
3/30/2017						

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					<0.04	
4/7/2017						0.0082 (J)
4/10/2017	<0.04					
4/11/2017		<0.04	<0.04			
4/12/2017				0.009 (J)		
6/9/2017						
6/12/2017						
6/13/2017					<0.04	
6/14/2017			<0.04			0.008 (J)
6/15/2017	<0.04	<0.04		<0.04		
6/16/2017						
7/12/2017		<0.04	<0.04			0.0082 (J)
7/14/2017					0.007 (J)	
7/20/2017						0.0091 (J)
7/26/2017		<0.04				
7/28/2017						<0.04
8/9/2017						0.0071 (J)
8/10/2017						
8/24/2017						0.0062 (J)
10/2/2017						
10/3/2017					<0.04	0.006 (J)
10/4/2017	0.0065 (J)					
10/5/2017			0.0068 (J)			
10/6/2017		0.0071 (J)		<0.04		
10/9/2017						
3/16/2018						
3/19/2018						
3/20/2018					0.0064 (J)	
3/21/2018						0.0062 (J)
3/22/2018	<0.04		<0.04			
3/23/2018		0.0092 (J)		0.0053 (J)		
9/14/2018						
9/17/2018						
9/18/2018	<0.04				0.0045 (J)	0.0096 (J)
9/19/2018		0.0046 (J)	<0.04	0.0049 (J)		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					<0.04	0.0066 (J)
3/22/2019		<0.04	<0.04			
3/23/2019	<0.04					
3/25/2019				<0.04		
3/27/2019						
5/6/2019						
9/12/2019						0.012 (J)
9/13/2019					0.0065 (J)	
9/16/2019						
9/17/2019	<0.04	<0.04	<0.04	<0.04		
9/18/2019						
3/11/2020						
3/12/2020	0.0058 (J)				0.0057 (J)	0.014 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
3/13/2020		0.0054 (J)	0.0081 (J)	0.0064 (J)		
3/16/2020						
3/17/2020						

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-3 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6
3/22/2016	1.5101	1.4231							
3/23/2016			1.6092	0.9079	2.4904				
3/28/2016						0.9204	1.14	0.8659	
3/29/2016									1.3977
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	1.5			0.9136					
5/20/2016					1.71				
5/23/2016			1.52				1.19		
5/24/2016									1.33
5/25/2016		1.11				1.04		0.8639	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	1.7		1.5	1.1	2				
8/1/2016						0.85	1.2	0.93	1.2
8/2/2016		1.5							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016			1.4	1					
9/23/2016	1.8				1.8				
9/26/2016		1.6				0.87	1.1		1.1
9/27/2016								0.8	
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	2				1.6				
11/10/2016			1.6	1.2			1.3		
11/11/2016						0.99		0.95	
11/14/2016									
11/18/2016									1.2
11/21/2016		1.5							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	1.5					0.95	1.2		
1/31/2017			1.6	1.2	1.3			0.99	
2/1/2017									1.3
2/3/2017		1.8							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	1.8		1.4		1.6				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10	GWC-10R	GWC-13R_13RZ	GWC-13	GWC-11	GWC-12
4/3/2017									
4/6/2017	1.5	1.2	2.2						
4/7/2017									
4/10/2017				1.9	2.3			1.3	
4/11/2017						5.5			1.2
4/12/2017							5.3		
6/9/2017									
6/12/2017									
6/13/2017	1.3		2						
6/14/2017		0.92		1.9	2				0.89
6/15/2017								1.2	
6/16/2017						8.7	5.4		
7/12/2017						7.5			
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017						6.6			
8/9/2017									
8/10/2017						8.5			
8/24/2017									
10/2/2017									
10/3/2017	1.3		2						
10/4/2017		1		2	2.1			1.3	1
10/5/2017									
10/6/2017						8.9			
10/9/2017							6.2		
3/16/2018									
3/19/2018									
3/20/2018	1.7		2.4	2.2					
3/21/2018		1.3			2.5		4.6	1.6	
3/22/2018									<1
3/23/2018						8.3			
9/14/2018									
9/17/2018	1.3								
9/18/2018		1.2	2.4 (D)	2.4	2.5			1.5	1.3
9/19/2018							5.1		
9/20/2018						9.6			
3/19/2019									
3/20/2019									
3/21/2019	<1		2						
3/22/2019				2.2	2.8	7.4			
3/23/2019							3.5	1.2	0.88
3/25/2019									
3/27/2019		0.9							
5/6/2019									
9/12/2019									
9/13/2019									
9/16/2019	1.2	0.75 (JD)	1.9						
9/17/2019				2.4	2.8			1.1	0.835 (JD)
9/18/2019						7.6	4		
3/11/2020									
3/12/2020	1.3	0.93 (J)	1.9	2.3	3			1	0.84 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10	GWC-10R	GWC-13R_13RZ	GWC-13	GWC-11	GWC-12
3/13/2020							3.3		
3/16/2020									
3/17/2020						7.7			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	1.67					
4/5/2016		0.9439	1.93	2.08		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016	1.64					
5/27/2016						
5/31/2016		1		1.51	1.33	
6/1/2016			1.93			
7/29/2016						
8/1/2016						
8/2/2016					1.5	
8/3/2016						
8/4/2016	1.7			1.7		
8/5/2016						
8/9/2016			2.4			
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					1.4	
9/28/2016	1.4					
9/29/2016				1.5		
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					1.5	
11/22/2016	1.9					
11/23/2016		1.7		1.9		
11/28/2016			3			
1/30/2017						
1/31/2017						
2/1/2017					1.5	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017	1.7					
2/9/2017			3			
2/10/2017		1.6		1.5		
2/13/2017						
2/22/2017						3.7
3/30/2017						

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					1.2	
4/7/2017						2.5
4/10/2017	1.8					
4/11/2017		1.5	4.5			
4/12/2017				1.7		
6/9/2017						
6/12/2017						
6/13/2017					0.98	
6/14/2017			3			2.6
6/15/2017	1.5	1		1.4		
6/16/2017						
7/12/2017		1.8	3.9			2.8
7/14/2017					1.1	
7/20/2017						2.3
7/26/2017		1.2				
7/28/2017						2
8/9/2017						1.8
8/10/2017						
8/24/2017						2.9
10/2/2017						
10/3/2017					1	2.8
10/4/2017	1.6					
10/5/2017			2.7			
10/6/2017		1.7		1.6		
10/9/2017						
3/16/2018						
3/19/2018						
3/20/2018					1.5	
3/21/2018						2.9
3/22/2018	2		3.4			
3/23/2018		<1		1.5		
9/14/2018						
9/17/2018						
9/18/2018	1.9				1.3	3.1
9/19/2018		1.1	2.8	1.7		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					<1	3.6
3/22/2019		1.2	3.7			
3/23/2019	1.7					
3/25/2019				1.9		
3/27/2019						
5/6/2019						
9/12/2019						2.1
9/13/2019					1	
9/16/2019						
9/17/2019	1.4	0.78 (X)	3.8	2		
9/18/2019						
3/11/2020						
3/12/2020	1.5				0.72 (J)	2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
3/13/2020						
3/16/2020		0.7 (J)	4.2	1.6		
3/17/2020						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-2 (bg)	GWA-3 (bg)	GWA-2R (bg)	GWC-5	GWA-50R (bg)	GWA-50 (bg)	GWC-6
3/22/2016	0.0614 (J)	0.00323 (J)							
3/23/2016			0.0477 (J)	<0.3	0.0826 (J)				
3/28/2016						0.00421 (J)	0.0326 (J)	0.0314 (J)	
3/29/2016									0.0376 (J)
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	0.064 (J)				0.0409 (J)				
5/20/2016			0.033 (J)						
5/23/2016				<0.3				0.027 (J)	
5/24/2016									0.023 (J)
5/25/2016		0.0345 (J)				0.0207 (J)	0.0285 (J)		
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	0.11 (J)		0.16 (J)	<0.3	0.07 (J)				
8/1/2016						<0.3	<0.3	<0.3	<0.3
8/2/2016		0.08 (J)							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016				<0.3	<0.3				
9/23/2016	0.03 (J)		0.1 (J)						
9/26/2016		0.07 (J)					<0.3	<0.3	<0.3
9/27/2016						<0.3			
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	0.1 (J)		0.04 (J)						
11/10/2016				<0.3	0.03 (J)			0.04 (J)	
11/11/2016						0.04 (J)	<0.3		
11/14/2016									
11/18/2016									0.02 (J)
11/21/2016		0.07 (J)							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	<0.3						<0.3	<0.3	
1/31/2017			<0.3	<0.3	<0.3	<0.3			
2/1/2017									<0.3
2/3/2017		<0.3							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	0.01 (J)		0.02 (J)	<0.3					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10R	GWC-10	GWC-13R_13RZ	GWC-11R	GWC-11	GWC-12
4/3/2017									
4/6/2017	<0.3	<0.3	<0.3						
4/7/2017									
4/10/2017				<0.3	<0.3		<0.3	<0.3	
4/11/2017						0.16 (J)			<0.3
4/12/2017									
6/9/2017									
6/12/2017									
6/13/2017	0.05 (J)		<0.3						
6/14/2017		<0.3		<0.3	0.02 (J)				0.01 (J)
6/15/2017							<0.3	0.03 (J)	
6/16/2017						0.2 (J)			
7/12/2017						0.2 (J)			
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017						0.18 (J)			
8/9/2017									
8/10/2017						<0.3			
8/24/2017									
10/2/2017									
10/3/2017	<0.3		<0.3						
10/4/2017		<0.3		<0.3	<0.3		<0.3	<0.3	<0.3
10/5/2017									
10/6/2017						0.14 (J)			
10/9/2017									
3/16/2018									
3/19/2018									
3/20/2018	<0.3		<0.3		<0.3				
3/21/2018		<0.3		<0.3				<0.3	
3/22/2018							<0.3		<0.3
3/23/2018						0.24 (J)			
9/14/2018									
9/17/2018	<0.3								
9/18/2018		<0.3	<0.3 (D)	<0.3	<0.3		<0.3	<0.3	<0.3
9/19/2018									
9/20/2018						<0.3			
3/19/2019									
3/20/2019									
3/21/2019	<0.3		<0.3						
3/22/2019				<0.3	0.045 (J)	0.12 (J)			
3/23/2019							<0.3	<0.3	<0.3
3/25/2019									
3/27/2019		<0.3							
5/6/2019									
9/12/2019									
9/13/2019									
9/16/2019	<0.3	<0.3 (D)	<0.3						
9/17/2019				<0.3	<0.3		<0.3	<0.3	<0.3 (D)
9/18/2019						0.17 (X)			
3/11/2020									
3/12/2020	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10R	GWC-10	GWC-13R_13RZ	GWC-11R	GWC-11	GWC-12
3/13/2020									
3/16/2020									
3/17/2020						0.11 (J)			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	0.026 (J)					
4/5/2016		1.78243 (J)	0.011 (J)	0.00288 (J)		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	0.0234 (J)		0.0669 (J)	0.0233 (J)	0.043 (J)	
6/1/2016		0.0148 (J)				
7/29/2016						
8/1/2016						
8/2/2016					<0.3	
8/3/2016						
8/4/2016	0.09 (J)			<0.3		
8/5/2016						
8/9/2016		0.04 (J)				
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					<0.3	
9/28/2016						
9/29/2016	<0.3			<0.3		
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					0.22 (J)	
11/22/2016						
11/23/2016			0.03 (J)	0.04 (J)		
11/28/2016	0.08 (J)	0.07 (J)				
1/30/2017						
1/31/2017						
2/1/2017					<0.3	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	0.24 (J)	0.08 (J)				
2/10/2017			<0.3	<0.3		
2/13/2017						
2/22/2017						0.3
3/30/2017						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					0.008 (J)	
4/7/2017						0.19 (J)
4/10/2017						
4/11/2017		<0.3	<0.3			
4/12/2017	<0.3			<0.3		
6/9/2017						
6/12/2017						
6/13/2017					0.03 (J)	
6/14/2017		0.01 (J)				0.19 (J)
6/15/2017			0.02 (J)	0.06 (J)		
6/16/2017	0.04 (J)					
7/12/2017		0.05 (J)	0.04 (J)			0.18 (J)
7/14/2017					0.05 (J)	
7/20/2017						0.17 (J)
7/26/2017			0.03 (J)			
7/28/2017						0.13 (J)
8/9/2017						<0.3
8/10/2017						
8/24/2017						0.16 (J)
10/2/2017						
10/3/2017					0.06 (J)	0.17 (J)
10/4/2017						
10/5/2017		<0.3				
10/6/2017			<0.3	<0.3		
10/9/2017	<0.3					
3/16/2018						
3/19/2018						
3/20/2018					<0.3	
3/21/2018	<0.3					0.24 (J)
3/22/2018		<0.3				
3/23/2018			<0.3	<0.3		
9/14/2018						
9/17/2018						
9/18/2018					<0.3	<0.3
9/19/2018	<0.3	<0.3	<0.3	<0.3		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					<0.3	0.19 (J)
3/22/2019		<0.3	<0.3			
3/23/2019	<0.3					
3/25/2019				<0.3		
3/27/2019						
5/6/2019						
9/12/2019						0.1 (J)
9/13/2019					<0.3	
9/16/2019						
9/17/2019		<0.3	<0.3	<0.3		
9/18/2019	<0.3					
3/11/2020						
3/12/2020					<0.3	0.18 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-14_14Z	GWC-15_15Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
3/13/2020	<0.3	<0.3	<0.3	<0.3		
3/16/2020						
3/17/2020						

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-2R (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6RZ
3/22/2016	7.65	7.53 (D)							
3/23/2016			7.45	6.7	5.96				
3/28/2016						6.22	6.45 (D)	7.04	
3/29/2016									7.24
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	7.6		7.5						
5/20/2016				6.36					
5/23/2016					5.73	5.86			
5/24/2016									7.1
5/25/2016		8.04					6.96	6.39	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	7.58		7.59	6.75	5.51				
8/1/2016						6.39	5.64	6.13	7.07
8/2/2016		7.74							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016			7.44		5.45				
9/23/2016	7.57			6.62					
9/26/2016		7.4				5.74	6.26		7.15
9/27/2016								5.98	
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	7.45			6.42					
11/10/2016			7.55		5.51	5.78			
11/11/2016							5.62	6.11	
11/14/2016									7.15
11/18/2016									
11/21/2016		7.4							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	7.64					5.88	5.49		
1/31/2017			7.56	5.66	5.42			6.08	
2/1/2017									7.09
2/3/2017		7.05							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	7.51			6.33	5.43				

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-9	GWC-8RR	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13R_13RZ
4/3/2017									
4/6/2017	7.49	4.92	7.86						
4/7/2017									
4/10/2017				6.72	7.51	7.13	7.95		
4/11/2017								6.37	6.37
4/12/2017									
6/9/2017									
6/12/2017									
6/13/2017	7.38	5.03							
6/14/2017			7.66	6.83	7.34			5.85	
6/15/2017						7.1	7.79		
6/16/2017									7.33
7/12/2017									7.46
7/14/2017									
7/20/2017									
7/26/2017									
7/27/2017									7.37
7/28/2017									7.37
8/9/2017									7.38
8/10/2017									7.38
8/24/2017									
10/2/2017									
10/3/2017	7.39	6.01							
10/4/2017			7.84	7.38	7.54	6.25	7.74	6.27	
10/5/2017									
10/6/2017									6.55
10/9/2017									
12/28/2017									7.43 (Y)
1/9/2018			7.86 (Y)						
3/16/2018									
3/19/2018	7.32								
3/20/2018		4.88		6.23					
3/21/2018			7.9		7.33	7.07			
3/22/2018							7.72	6.45	
3/23/2018									7.58
9/14/2018									
9/17/2018	7.57								
9/18/2018		5.36 (D)	7.92	7.14	7.66	6.9	7.88	6.42	
9/19/2018									
9/20/2018									7.43
3/19/2019									
3/20/2019									
3/21/2019	7.21	5.33							
3/22/2019				6.23	7.34				7.49
3/23/2019						6.27	7.56	6.34	
3/25/2019									
3/27/2019			8.07						
5/6/2019									
9/12/2019									
9/13/2019									
9/16/2019	7.35	6.03	7.9 (D)						
9/17/2019				7.16	7.51	6.55	7.58	6.19 (D)	

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	7.44 (D)					
4/5/2016		9.23	10.61	7.71		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	7.37	9.52		7.66	7.98	
6/1/2016			10.32			
7/29/2016						
8/1/2016						
8/2/2016					7.64	
8/3/2016						
8/4/2016	7.32			7.8		
8/5/2016						
8/9/2016			8.23			
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					7.18	
9/28/2016						
9/29/2016	7.38			7.46		
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					7.49	
11/22/2016						
11/23/2016		7.88		7.62		
11/28/2016	7.43		7.29			
1/30/2017						
1/31/2017						
2/1/2017					7.2	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	7.36		6.91			
2/10/2017		7.72		7.51		
2/13/2017						
2/22/2017						7.38
3/30/2017						

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					7.42	
4/7/2017						7.35
4/10/2017						
4/11/2017		7.83	6.68			
4/12/2017	7.46			7.54		
6/9/2017						
6/12/2017						
6/13/2017					7.25	
6/14/2017			6.84			7.3
6/15/2017		7.86		7.71		
6/16/2017	7.36					
7/12/2017		7.73	6.54			7.39
7/14/2017					7.5	
7/20/2017						7.44
7/26/2017		7.71				
7/27/2017						
7/28/2017						7.5
8/9/2017						7.52
8/10/2017						
8/24/2017						7.5
10/2/2017						
10/3/2017					7.5	7.51
10/4/2017						
10/5/2017			6.93			
10/6/2017		7.74		7.58		
10/9/2017	7.38					
12/28/2017						7.32 (Y)
1/9/2018						
3/16/2018						
3/19/2018						
3/20/2018					6.76	
3/21/2018	7.33					7.3
3/22/2018			6.93			
3/23/2018		7.89		7.34		
9/14/2018						
9/17/2018						
9/18/2018					7.26	7.26
9/19/2018	7.31	7.77	6.88	7.66		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					7.3	7.28
3/22/2019		7.55	6.27			
3/23/2019	7.27					
3/25/2019				7.64		
3/27/2019						
5/6/2019						
9/12/2019						7.2
9/13/2019					6.8	
9/16/2019						
9/17/2019		7.76	6.04	7.35		

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/14/2020 11:19 AM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15_15Z	GWC-14_14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
9/18/2019	7.28					
3/11/2020						
3/12/2020					7.53	7.55
3/13/2020	7.25	7.68	6.16	7.56		
3/16/2020						
3/17/2020						

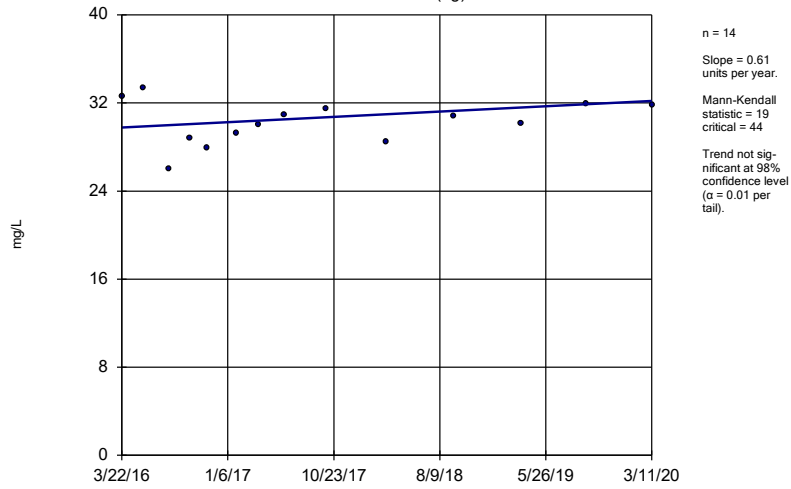
FIGURE I.

Trend Tests Summary Table - Prediction Limit Exceedances - Appendix III Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 4/6/2020, 4:26 PM

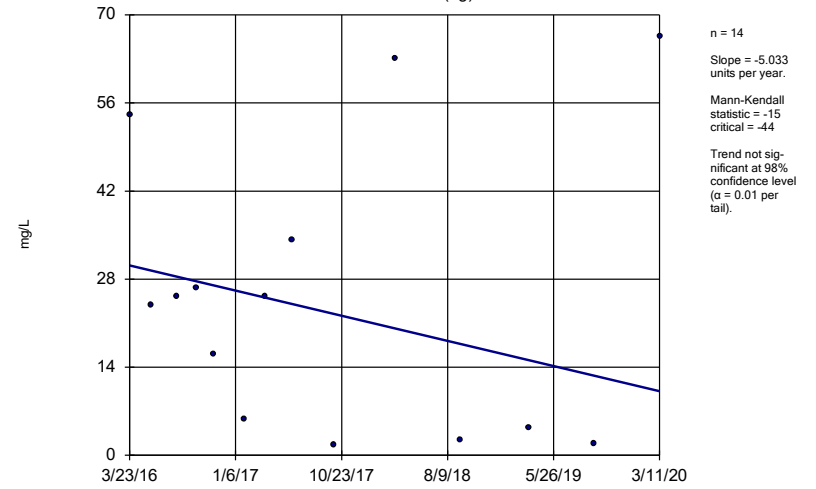
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-1 (bg)	0.61	19	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-2 (bg)	-5.033	-15	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-2R (bg)	4.179	41	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-3 (bg)	-0.1591	-54	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-4RZ (bg)	0.5153	5	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-50 (bg)	-0.04086	-4	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-50R (bg)	-0.8474	-29	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-10	-3.359	-18	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-5	-0.2792	-25	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-6	0.3688	20	39	No	13	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-1 (bg)	-0.07256	-27	-44	No	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-2 (bg)	-0.3486	-39	-44	No	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-2R (bg)	0.002755	3	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-3 (bg)	-0.03156	-34	-44	No	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-4RZ (bg)	0	2	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-50 (bg)	-0.05741	-26	-44	No	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-50R (bg)	-0.05729	-34	-44	No	14	14.29	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-10R	-0.03027	-10	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-13	0	-1	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-13R_13RZ	1.019	39	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-14_14Z	0.4506	47	44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-1 (bg)	-0.02607	-31	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-2 (bg)	-0.233	-37	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-2R (bg)	-0.09597	-44	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-3 (bg)	-0.1413	-69	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-4RZ (bg)	-0.03583	-11	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-50 (bg)	-0.08734	-34	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-50R (bg)	-0.1618	-35	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-15_15Z	-0.1063	-41	-44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-8RR	-0.04345	-25	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-9	-0.2898	-32	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-1 (bg)	-0.3058	-72	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-2 (bg)	-8.636	-13	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-2R (bg)	0.8303	33	44	No	14	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-3 (bg)	-0.1575	-52	-44	Yes	14	14.29	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-4RZ (bg)	1.685	23	48	No	15	0	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-50 (bg)	-0.08022	-40	-44	No	14	14.29	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWA-50R (bg)	-0.09287	-36	-44	No	14	7.143	n/a	n/a	0.02	NP
Sulfate, as SO4 (mg/L)	GWC-14_14Z	1.298	31	39	No	13	0	n/a	n/a	0.02	NP

Sen's Slope Estimator
GWA-1 (bg)



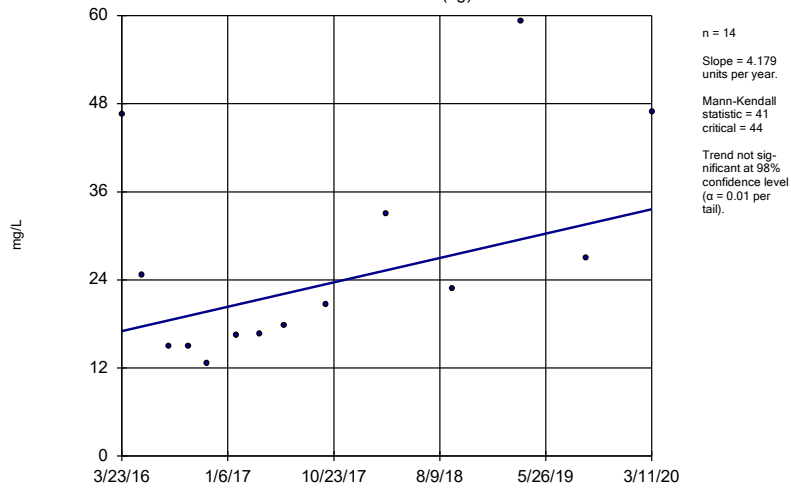
Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2 (bg)



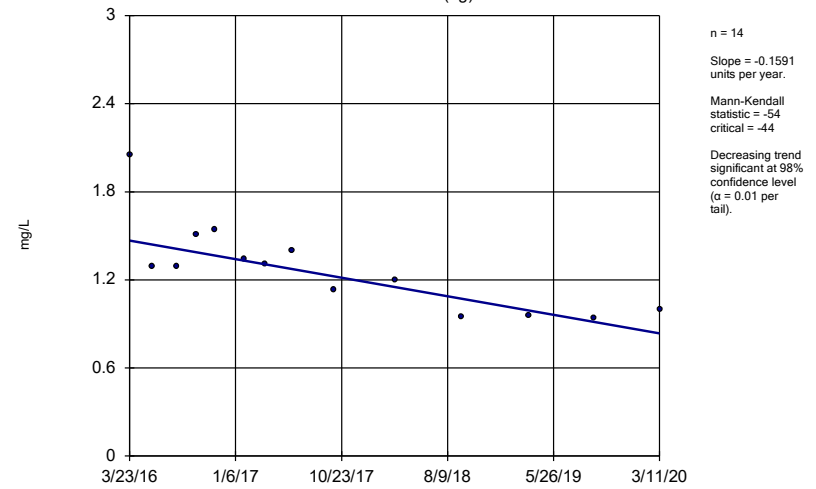
Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2R (bg)



Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

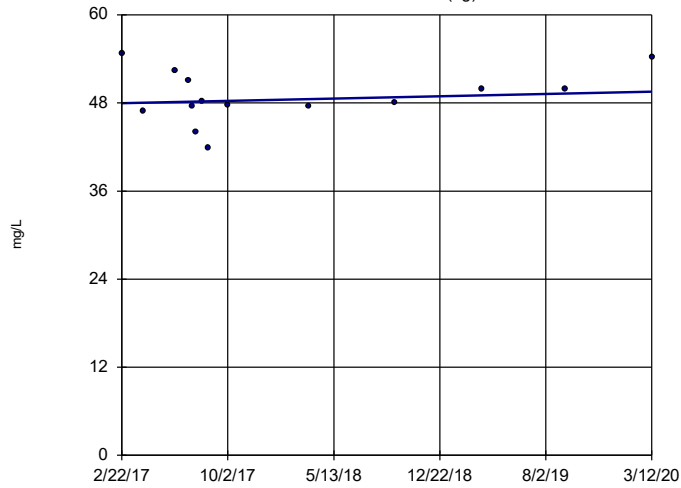
Sen's Slope Estimator
GWA-3 (bg)



Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-4RZ (bg)

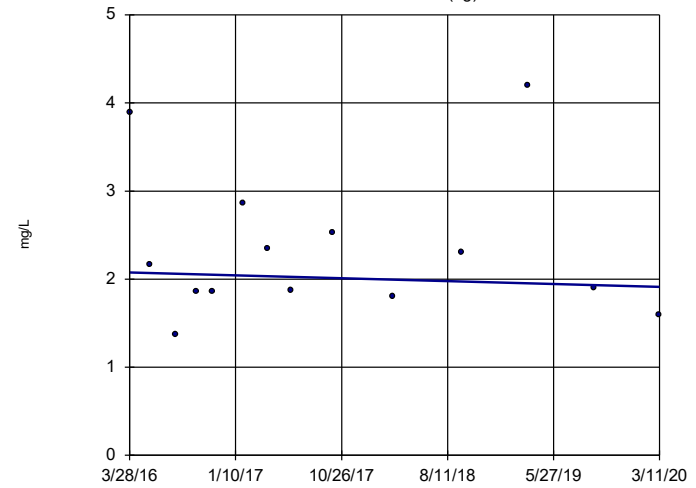


n = 14
 Slope = 0.5153
 units per year.
 Mann-Kendall
 statistic = 5
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-50 (bg)

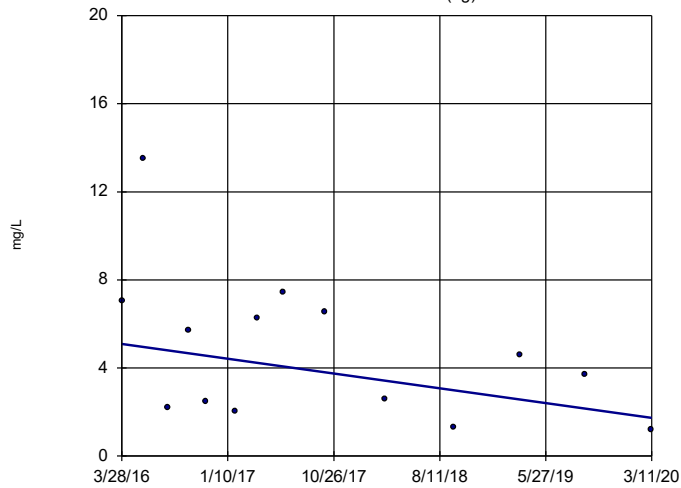


n = 14
 Slope = -0.04086
 units per year.
 Mann-Kendall
 statistic = -4
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-50R (bg)

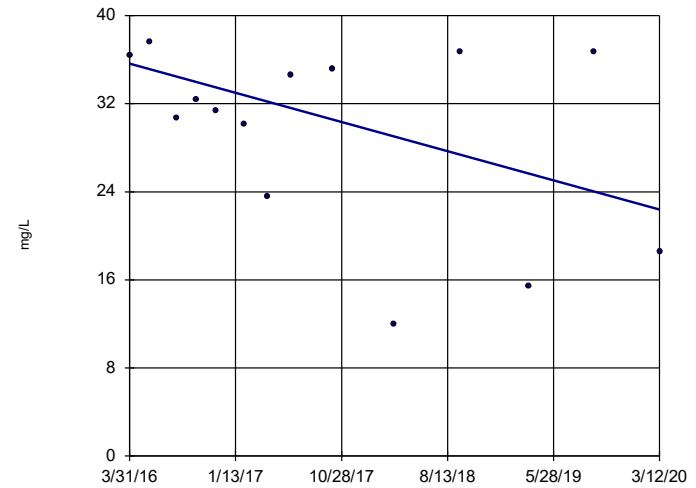


n = 14
 Slope = -0.8474
 units per year.
 Mann-Kendall
 statistic = -29
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

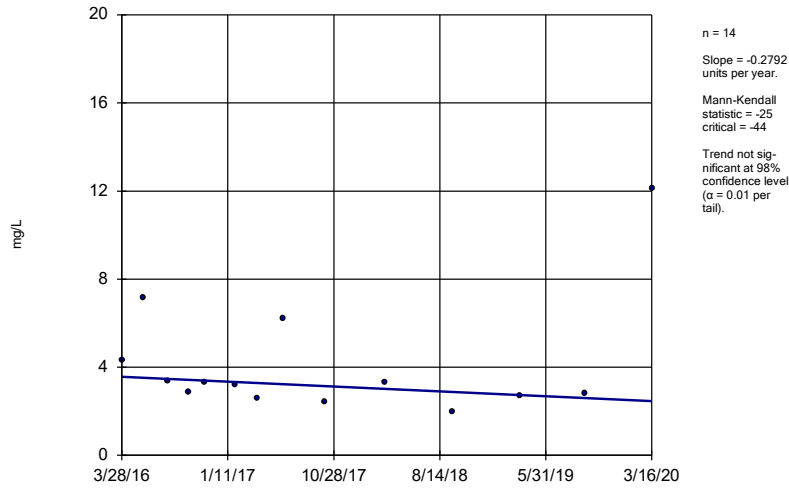
GWC-10



n = 14
 Slope = -3.359
 units per year.
 Mann-Kendall
 statistic = -18
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

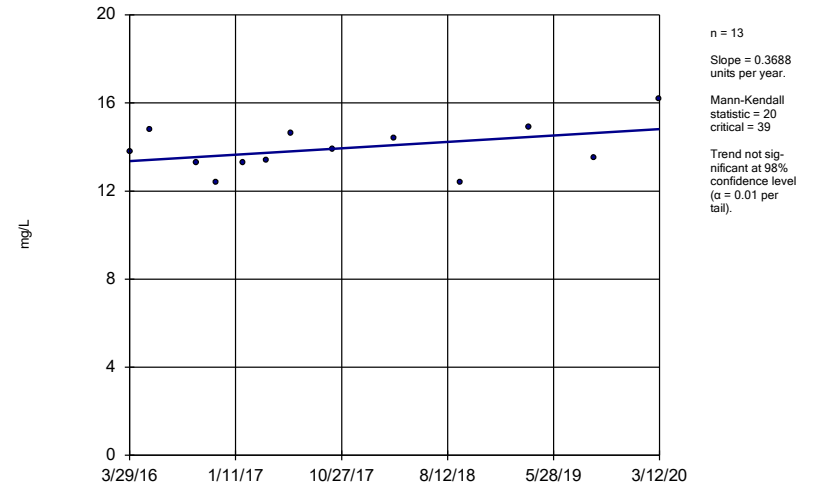
Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWC-5



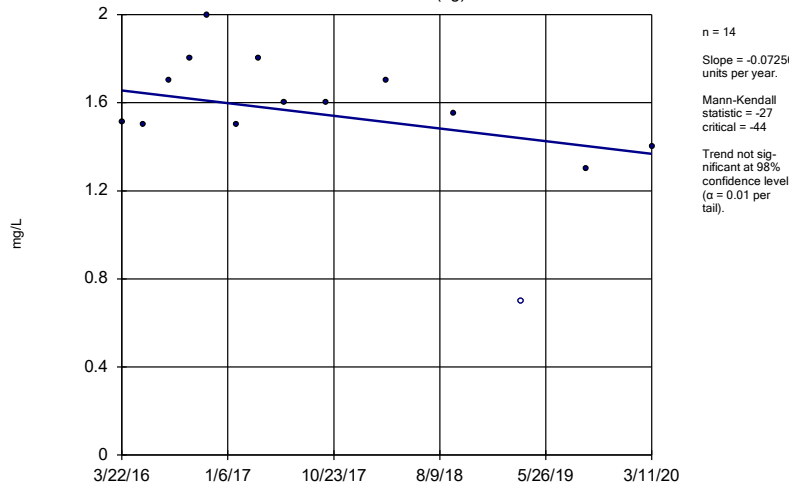
Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWC-6



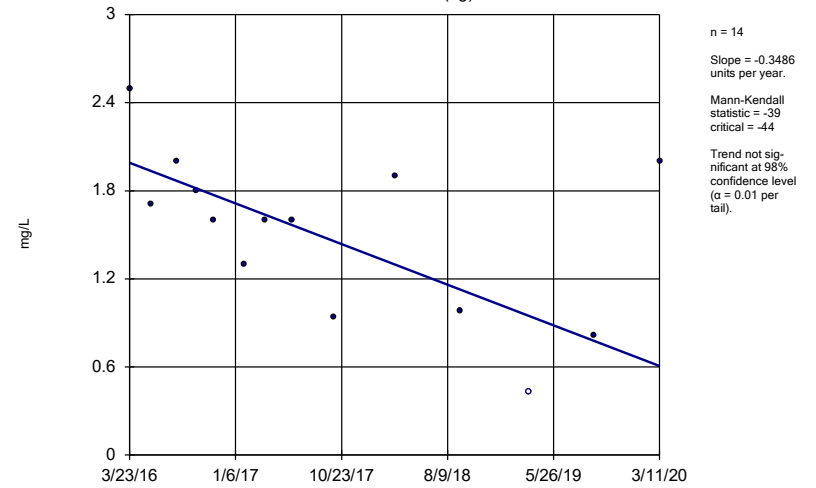
Constituent: Calcium Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-1 (bg)



Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

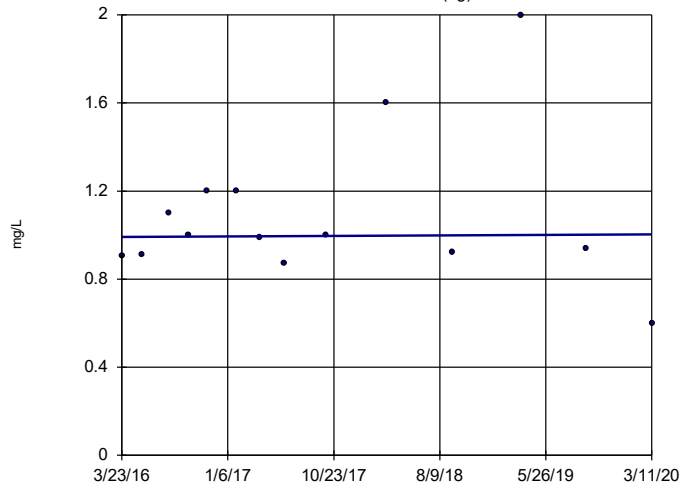
Sen's Slope Estimator
GWA-2 (bg)



Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-2R (bg)

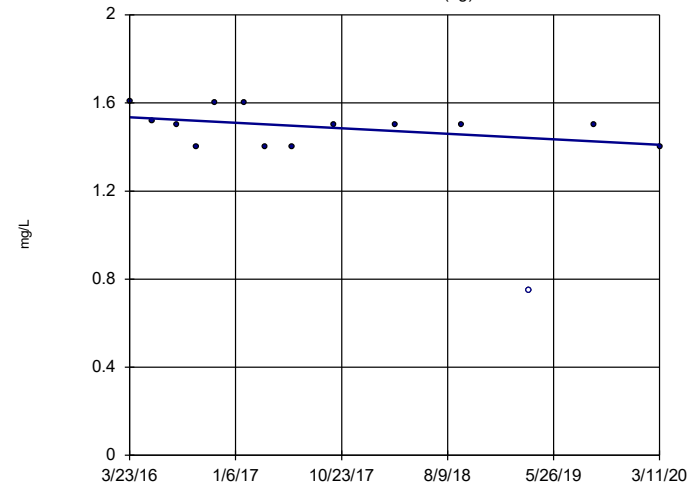


n = 14
 Slope = 0.002755 units per year.
 Mann-Kendall statistic = 3
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-3 (bg)

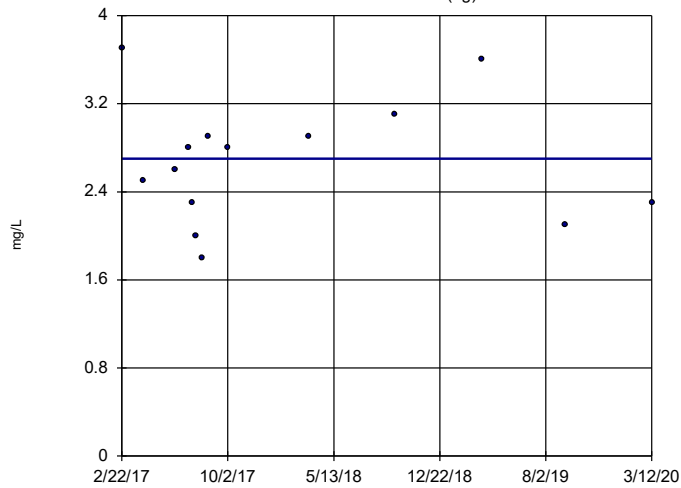


n = 14
 Slope = -0.03156 units per year.
 Mann-Kendall statistic = -34
 critical = -44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-4RZ (bg)

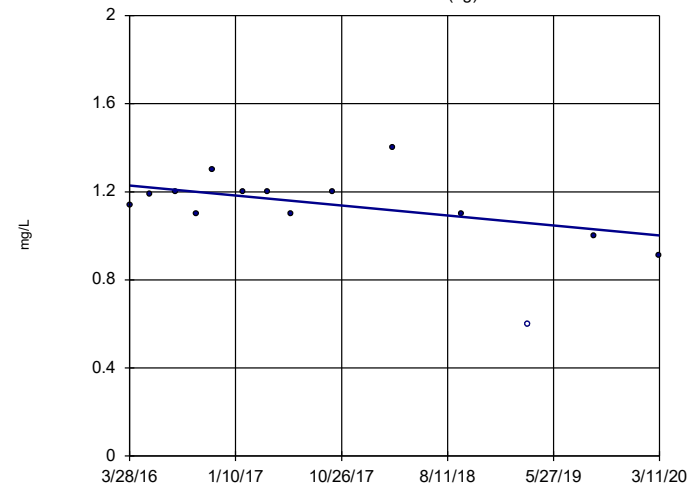


n = 14
 Slope = 0 units per year.
 Mann-Kendall statistic = 2
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-50 (bg)

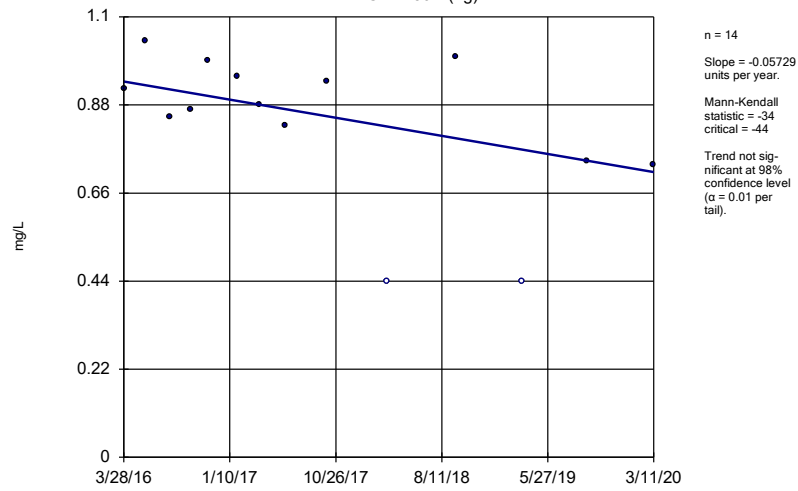


n = 14
 Slope = -0.05741 units per year.
 Mann-Kendall statistic = -26
 critical = -44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

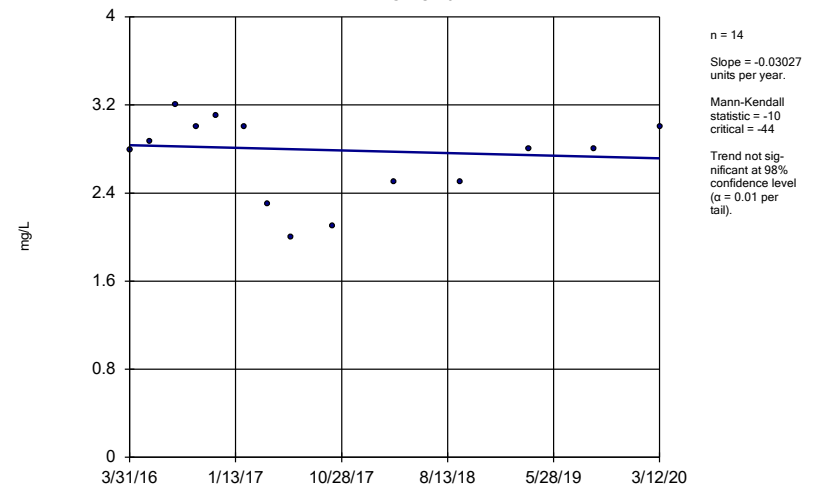
GWA-50R (bg)



Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

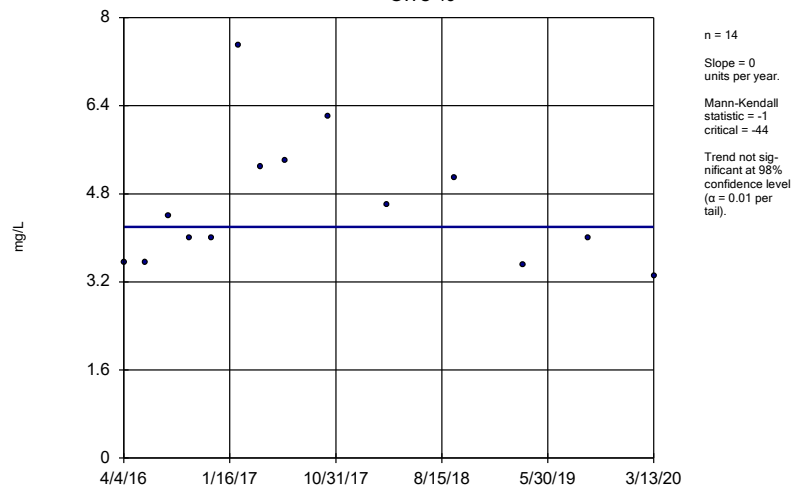
GWC-10R



Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

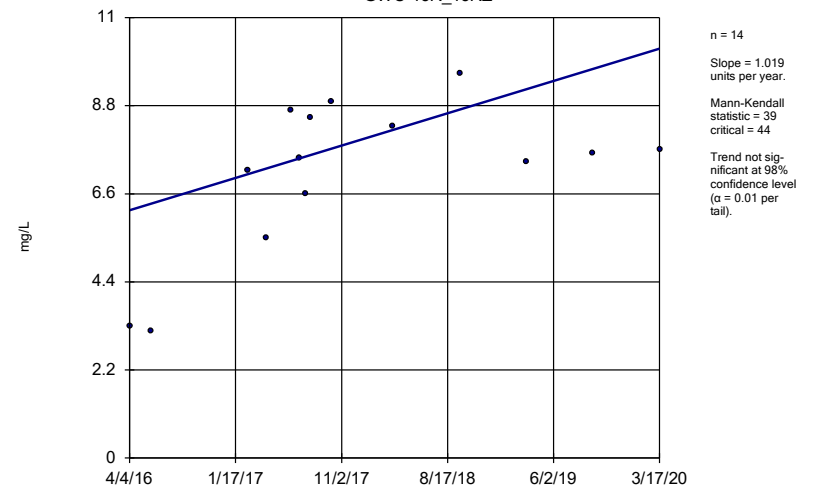
GWC-13



Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

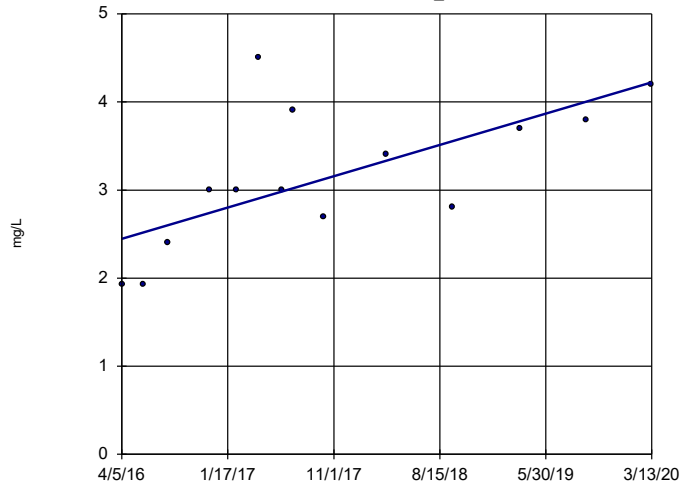
GWC-13R_13RZ



Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWC-14_14Z

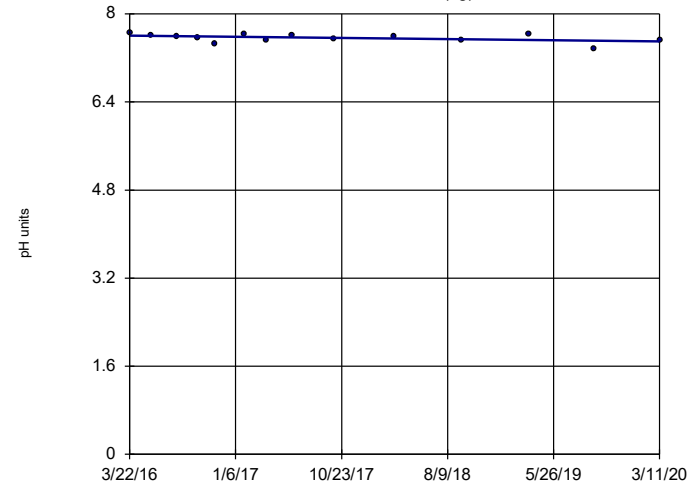


n = 14
 Slope = 0.4506 units per year.
 Mann-Kendall statistic = 47
 critical = 44
 Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-1 (bg)

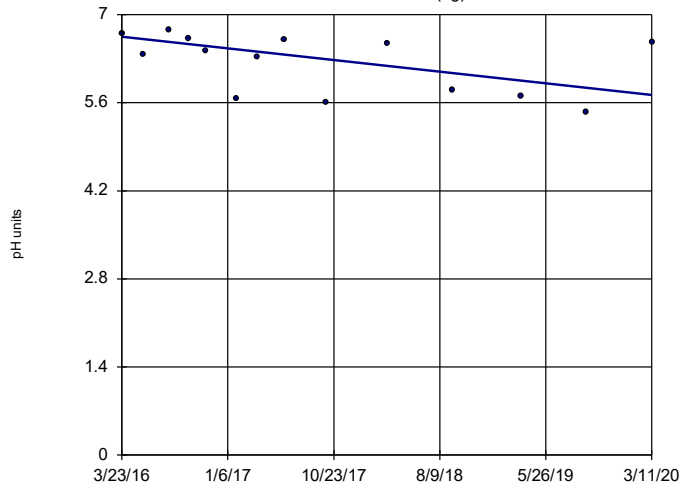


n = 14
 Slope = -0.02607 units per year.
 Mann-Kendall statistic = -31
 critical = -44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-2 (bg)

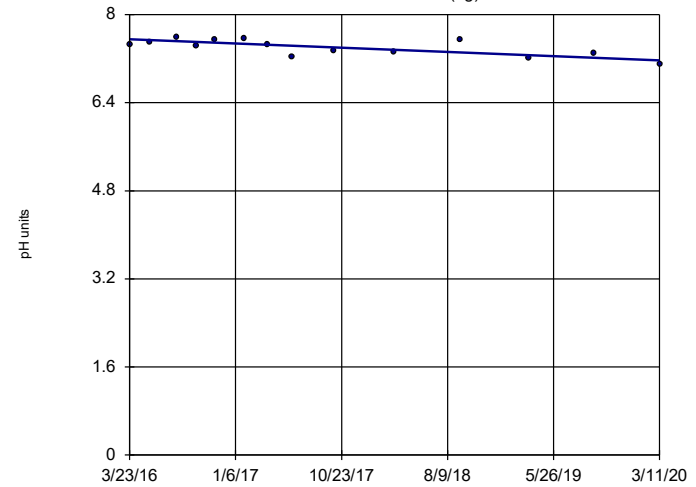


n = 14
 Slope = -0.233 units per year.
 Mann-Kendall statistic = -37
 critical = -44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

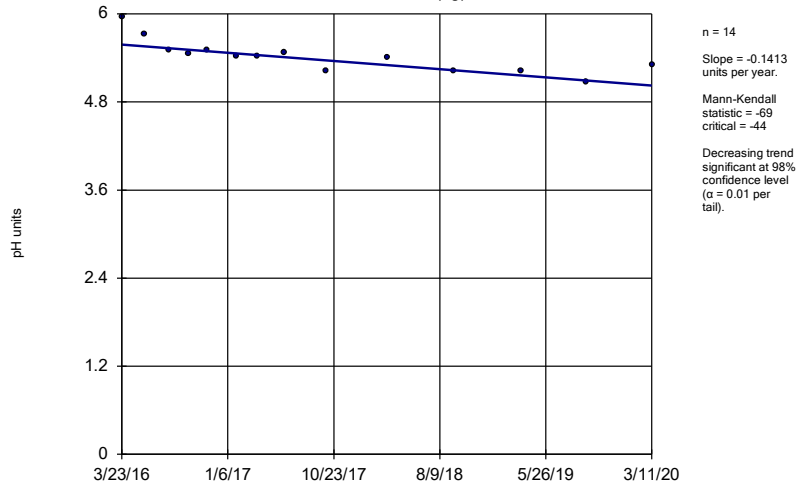
GWA-2R (bg)



n = 14
 Slope = -0.09597 units per year.
 Mann-Kendall statistic = -44
 critical = -44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

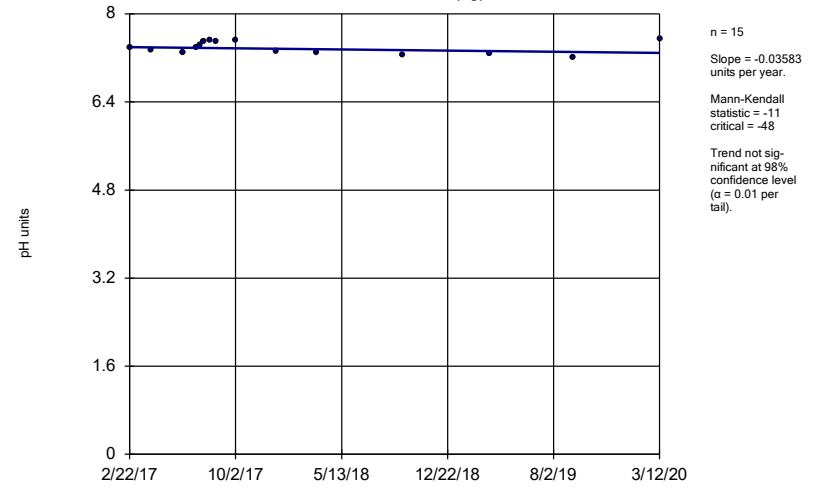
Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator GWA-3 (bg)



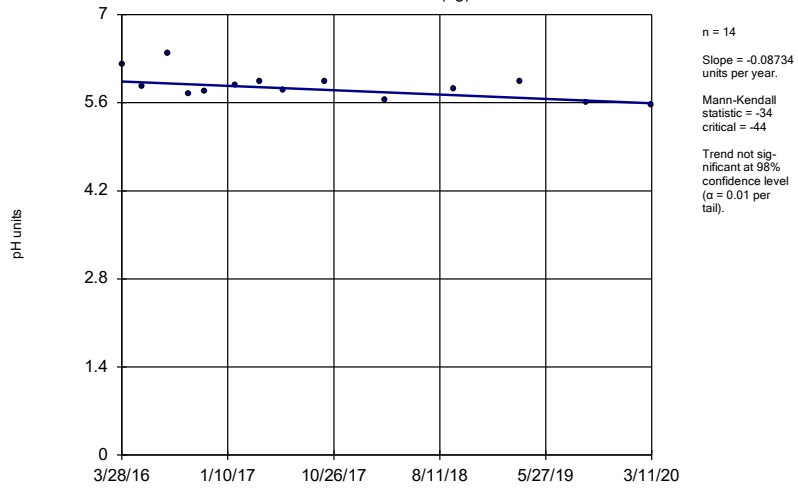
Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator GWA-4RZ (bg)



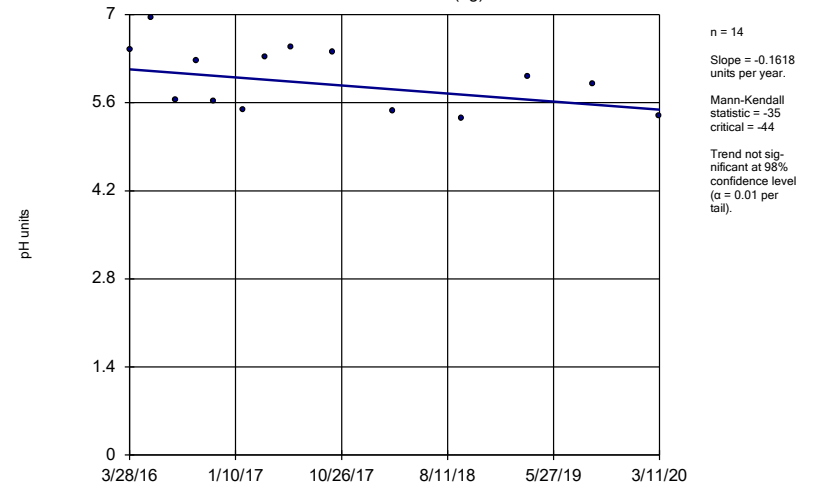
Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator GWA-50 (bg)



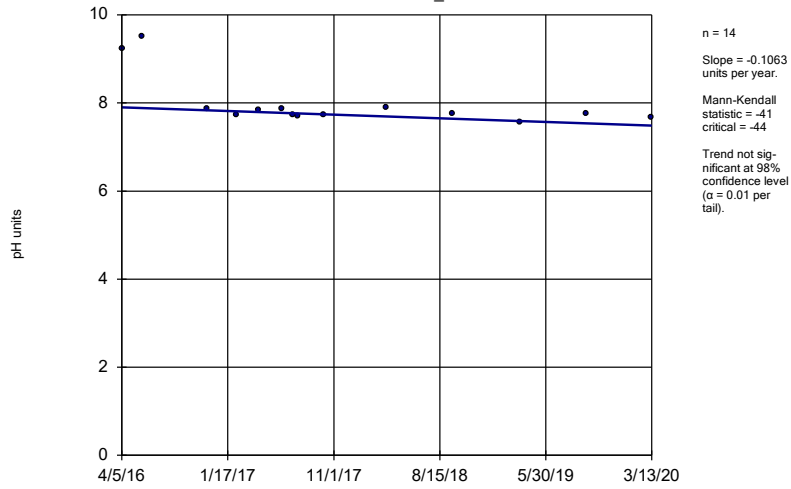
Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator GWA-50R (bg)



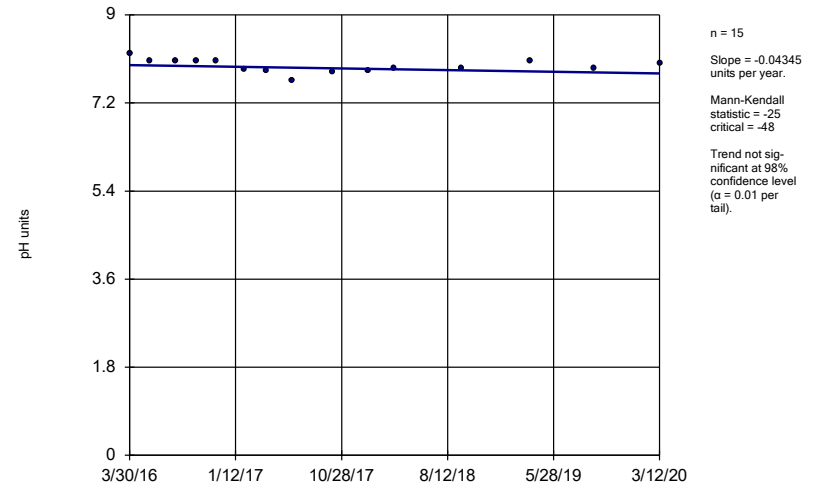
Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWC-15_15Z



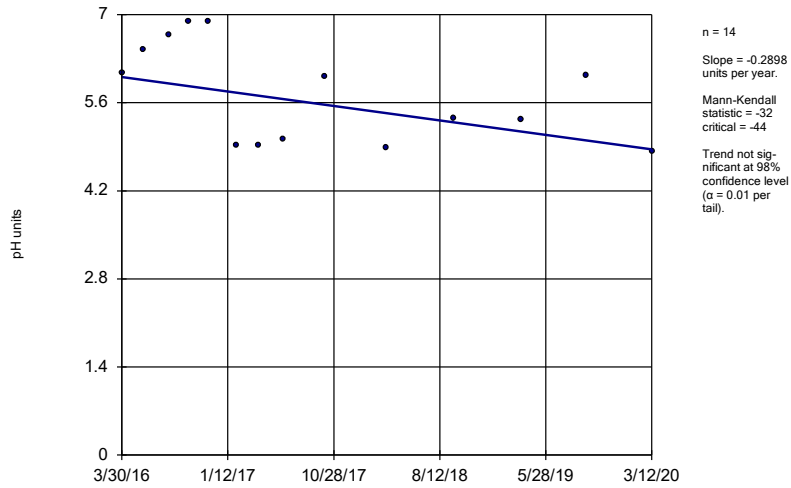
Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWC-8RR



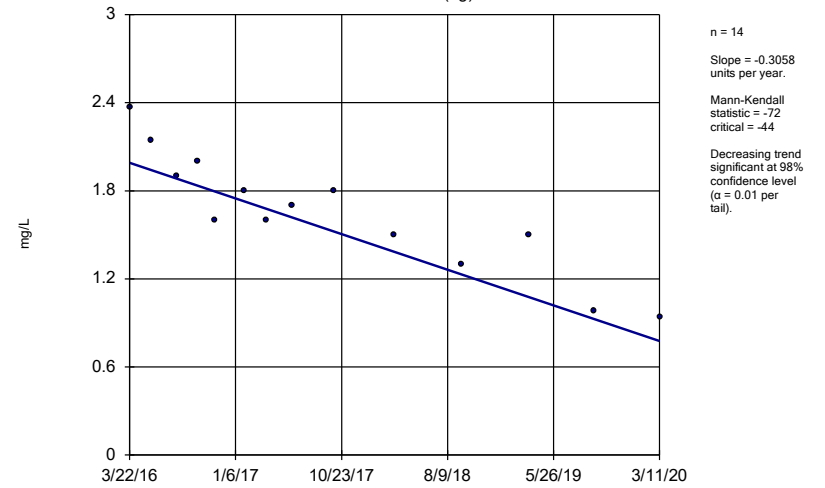
Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWC-9



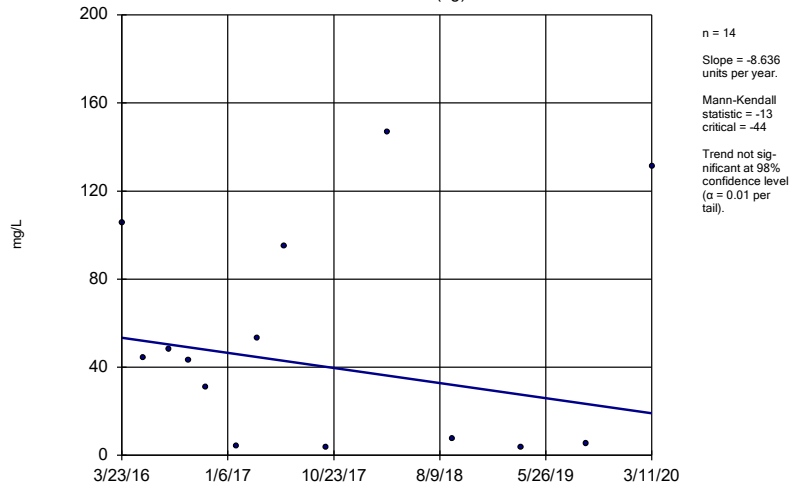
Constituent: pH Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-1 (bg)



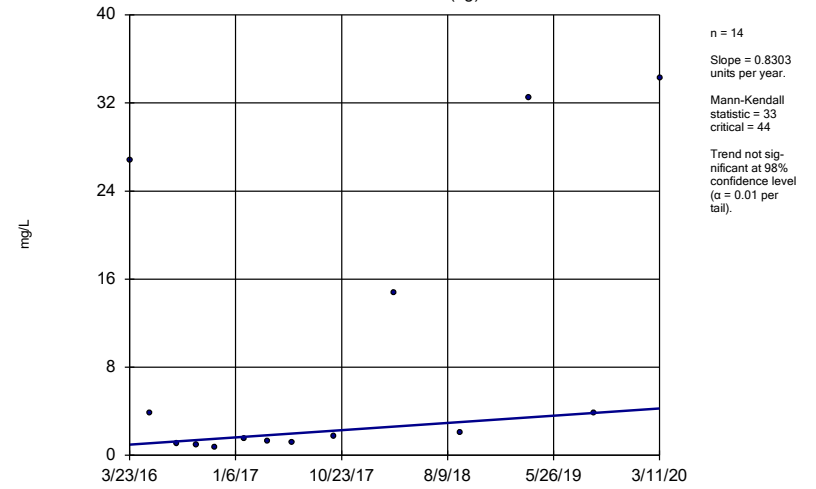
Constituent: Sulfate, as SO4 Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2 (bg)



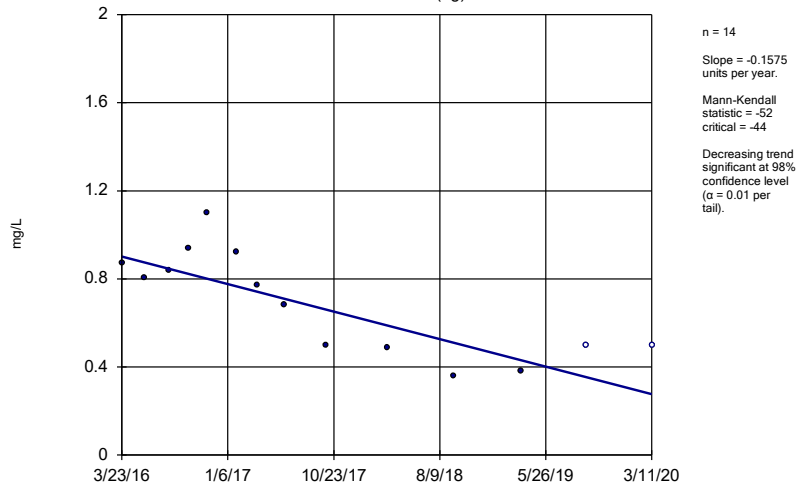
Constituent: Sulfate, as SO4 Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2R (bg)



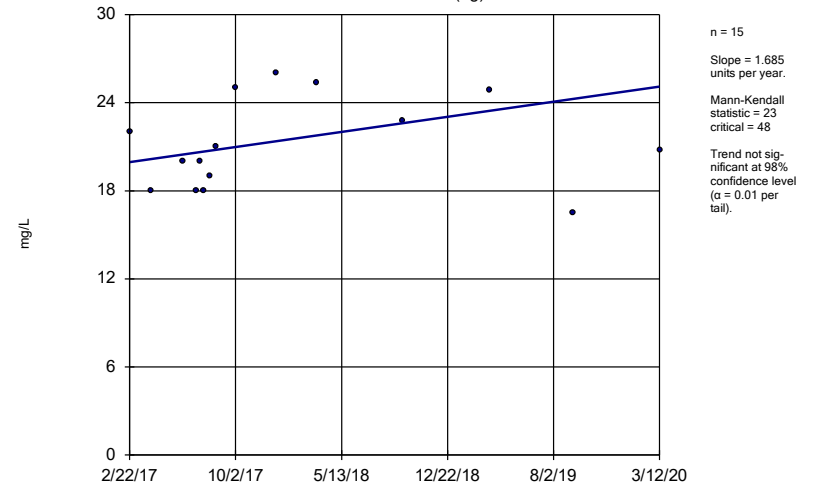
Constituent: Sulfate, as SO4 Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-3 (bg)



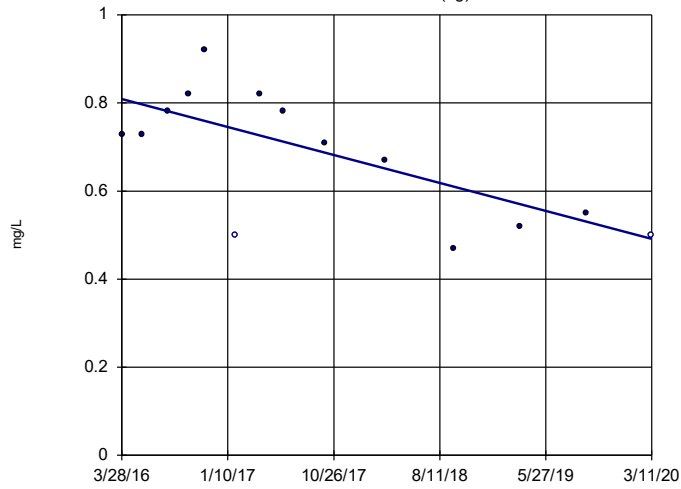
Constituent: Sulfate, as SO4 Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-4RZ (bg)



Constituent: Sulfate, as SO4 Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

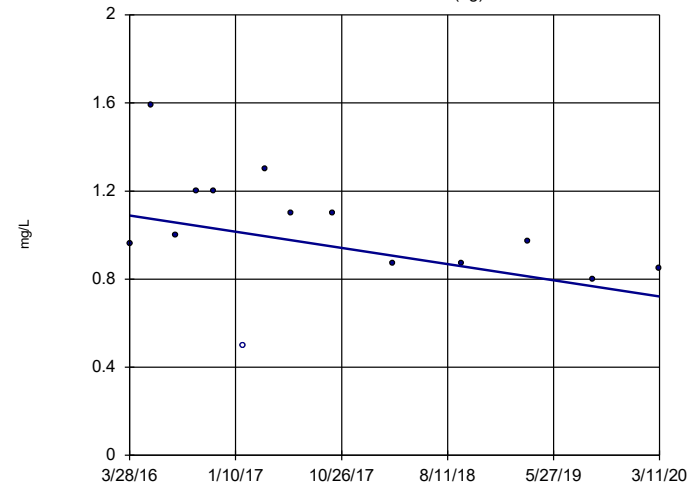
Sen's Slope Estimator
 GWA-50 (bg)



n = 14
 Slope = -0.08022
 units per year.
 Mann-Kendall
 statistic = -40
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Sulfate, as SO4 Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

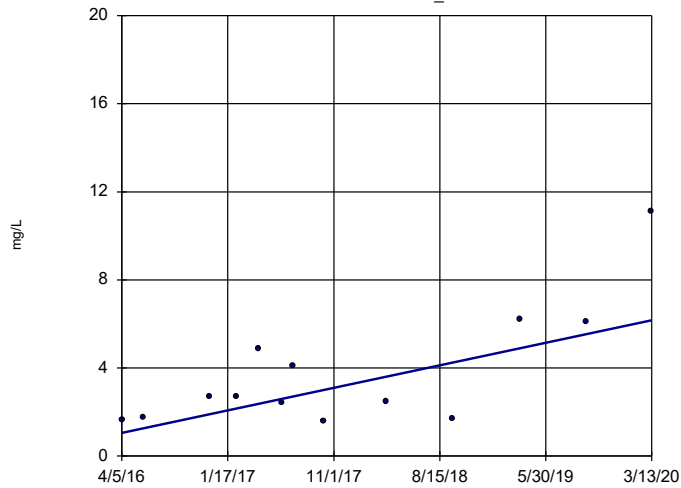
Sen's Slope Estimator
 GWA-50R (bg)



n = 14
 Slope = -0.09287
 units per year.
 Mann-Kendall
 statistic = -36
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Sulfate, as SO4 Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
 GWC-14_14Z



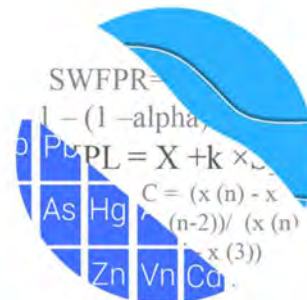
n = 13
 Slope = 1.298
 units per year.
 Mann-Kendall
 statistic = 31
 critical = 39
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Sulfate, as SO4 Analysis Run 4/6/2020 4:25 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GROUNDWATER STATS CONSULTING

August 26, 2020

Southern Company Services
Attn: Ms. Lauren Petty
3535 Colonnade Parkway
Birmingham, AL 35243



Re: Plant Bowen Landfill Cells 3 & 4
March 2020 Event – Statistical Analysis

Dear Ms. Petty,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the March 2020 sample event for Georgia Power Company's Plant Bowen Landfill Cells 3 & 4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Downgradient:** GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R
- **Upgradient:** GWA-36, GWA-36R, GWA-37, GWA-38, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, GWA-56

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The following constituents are evaluated:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% nondetects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

For the cases listed below, the most recent reporting limit is lower than historical reporting limits and is, therefore, substituted for nondetects in the record which results in slightly lower prediction limits:

- TDS in well GWA-37 – reporting limit decreased from <34 mg/L to <10 mg/L;
- Cadmium in wells GWA-37, GWA-38, GWA-18, GWC-21R, GWC-22R, GWC-25R - reporting limit decreased from <0.01 mg/L to <0.0025 mg/L;
- Cobalt in wells GWA-36, GWA-37, GWA-54, GWA-55, GWC-36R, GWC-51R, GWC-18R, GWC-25R - reporting limit decreased from <0.01 mg/L to <0.005 mg/L

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4)

eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 16
- # Downgradient wells: 11

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (chloride, pH, sulfate, and TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, fluoride)
- # Constituents: 7
- # Downgradient wells: 11

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean

and standard deviation of the historical concentrations to account for concentrations below the reporting limit.

- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Background Screening Summary Georgia EPD Constituents – Conducted in August 2019

Outliers & Trend Testing

Time series plots are used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers for all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. As a general rule, when the most recent values are identified as outliers, values are not flagged in the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Due to changing reporting limits for many constituents, when the nondetects are replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) may require flagging as outliers if they are much higher than current reporting limits. Additionally, in some cases historical nondetects require flagging because the reporting limit substitution results in these values being considerably higher than reported values.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported nondetects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. A summary of flagged outliers follows this letter.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

Several statistically significant decreasing trends were noted but adjustments were required only for barium in well GWA-53, copper in well GWA-37, and nickel in well GWC-16R because the magnitudes of the trends in other constituents were not large relative to the average concentrations at their respective wells. However, the decreasing trend for zinc at GWC-16R may require adjustment in the future, if it persists, in order to obtain a more conservative prediction limit. Statistically significant increasing trends were also noted for barium in wells GWC-24R and GWA-36, and zinc in wells GWC-19R, GWC-22R, and GWC-23R. Adjustments were only made to eliminate the trends for barium and zinc in well GWA-36 because the magnitude of the trends in other wells were not large relative to average concentrations at their respective wells. A summary of the background data ranges used for these well/constituent pairs follows this letter.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistically significant differences among upgradient well data for several of the constituents, suggesting intrawell methods would be the most appropriate statistical method for these constituents. For constituents where variation is not identified, interwell analyses would typically be recommended. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level concentrations, and no records required any adjustments due to statistically significant increasing trends in downgradient well data, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Background Update CCR Appendix III Constituents – Conducted in March 2020

Prior to updating background data, all data were evaluated for the purpose of updating background data sets. The reports were submitted at that time, and a summary is presented in this report.

Tukey's outlier test and visual screening were used to evaluate data through September 2019. Tukey's test was used for all wells for the intrawell parameters and for only the upgradient wells for the interwell parameters. Although Tukey's test noted several potential outliers, only three values were flagged as the rest appeared to be representative of natural variation in groundwater quality. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A summary of flagged outliers follows this letter.

For constituents requiring intrawell prediction limits (chloride, pH, sulfate, and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the following well/constituent pairs: chloride in upgradient well GWA-54; pH in upgradient well GWA-52 and downgradient well GWC-22R; sulfate in upgradient wells GWA-36 and GWA-54; and TDS in upgradient well GWA-55.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. The following cases with statistically significant Mann-Whitney results were updated because the newer data had a lower median, or the newer data were similar in concentration to portions of the historical data: chloride in upgradient well GWA-54; pH in upgradient well GWA-52 and downgradient well GWC-22R; and sulfate in upgradient wells GWA-36 and GWA-54.

Although TDS in well GWC-55 showed an increase in the median concentration, the overall temporal pattern and range of concentrations for TDS over the period is similar to that in other background wells. Additionally, a similar increase occurred in an upgradient well, thus indicating natural variation independent of the site. This well/constituent pair was, therefore, updated with newer data.

Evaluation of Georgia EPD Constituents – March 2020

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from

within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data, except for the cases mentioned above, within each well with detections through September 2018 (Figure D). Future compliance data will be compared to these intrawell background limits during each subsequent semi-annual sampling event. As previously discussed, no statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. No statistical exceedances were noted in any of the downgradient wells except for antimony in well GWC-16R. A statistical exceedance was noted for barium in upgradient well GWA-56. When exceedances are noted upgradient of the facility, it may be an indication that groundwater quality is beginning to change naturally. Summaries of the Georgia EPD prediction limits follow this report.

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at

the site. No significant trends were noted in any of the downgradient wells, and a summary of the trend test results follows this letter (Figure E).

Evaluation of Appendix III Parameters – March 2020

For chloride, pH, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (Figure F). The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. An exceedance was noted for chloride in upgradient well GWA-52 and for sulfate in upgradient well GWA-52 and downgradient well GWC-21R.

For boron, calcium, and fluoride, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through March 2020 (Figure G). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. Exceedances were noted for calcium in downgradient wells GWC-16R, GWC-17R, GWC-21R, and GWC-23R. Summaries of both intrawell and interwell prediction limits follow this report.

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure H). A statistically significant increasing trend was noted for sulfate in downgradient well GWC-21R. Statistically significant decreasing trends were noted for calcium in upgradient wells GWA-36 and GWA-37; chloride in upgradient wells GWA-36R, GWA-37, and GWA-54; and sulfate in upgradient wells GWA-36, GWA-37, and GWA-54. A summary of the trend test results follows this letter.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill at Cells 3 & 4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

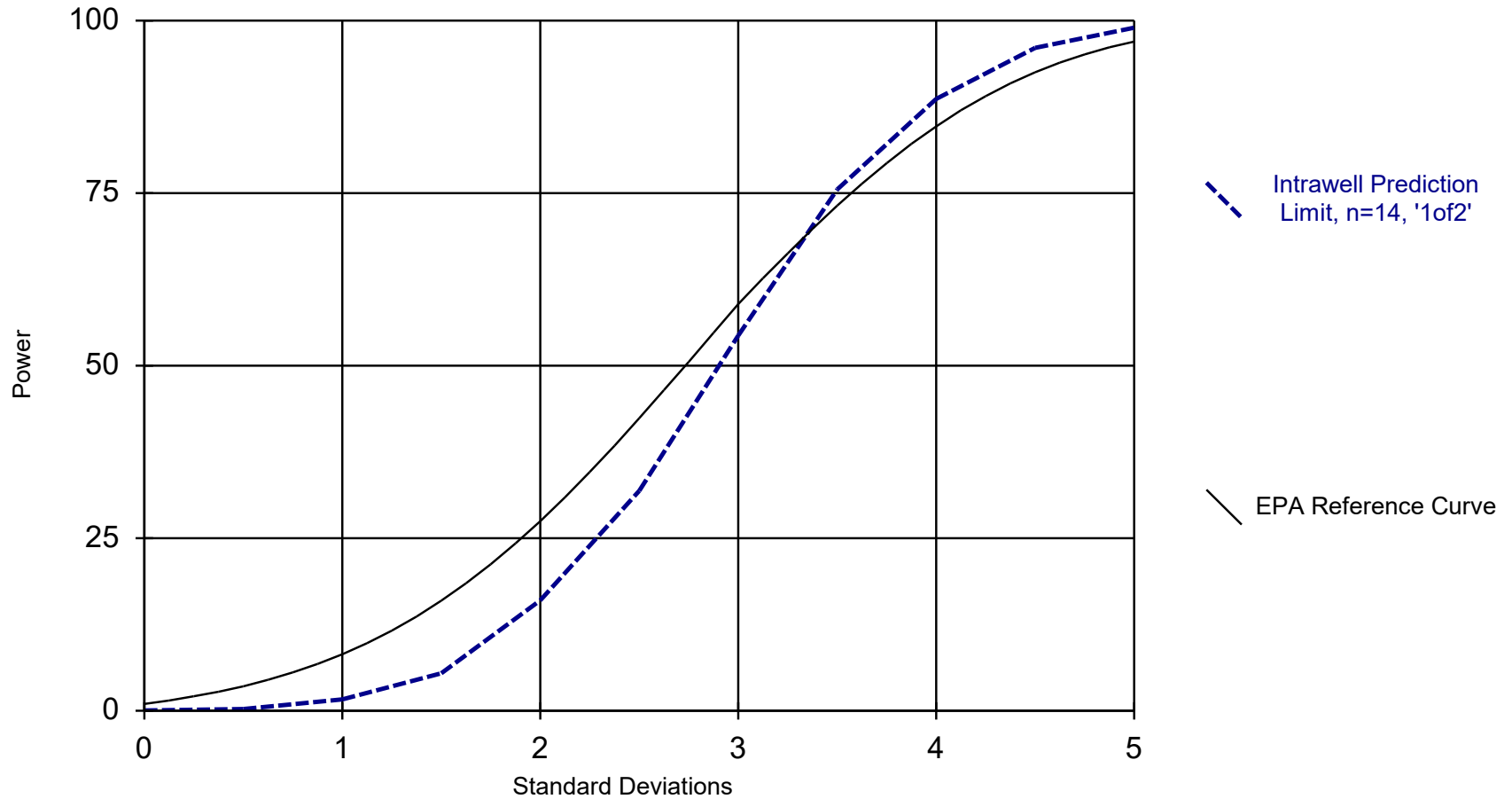


Andrew Collins
Groundwater Analyst



Kristina Rayner
Groundwater Statistician

State Parameter Power Curve

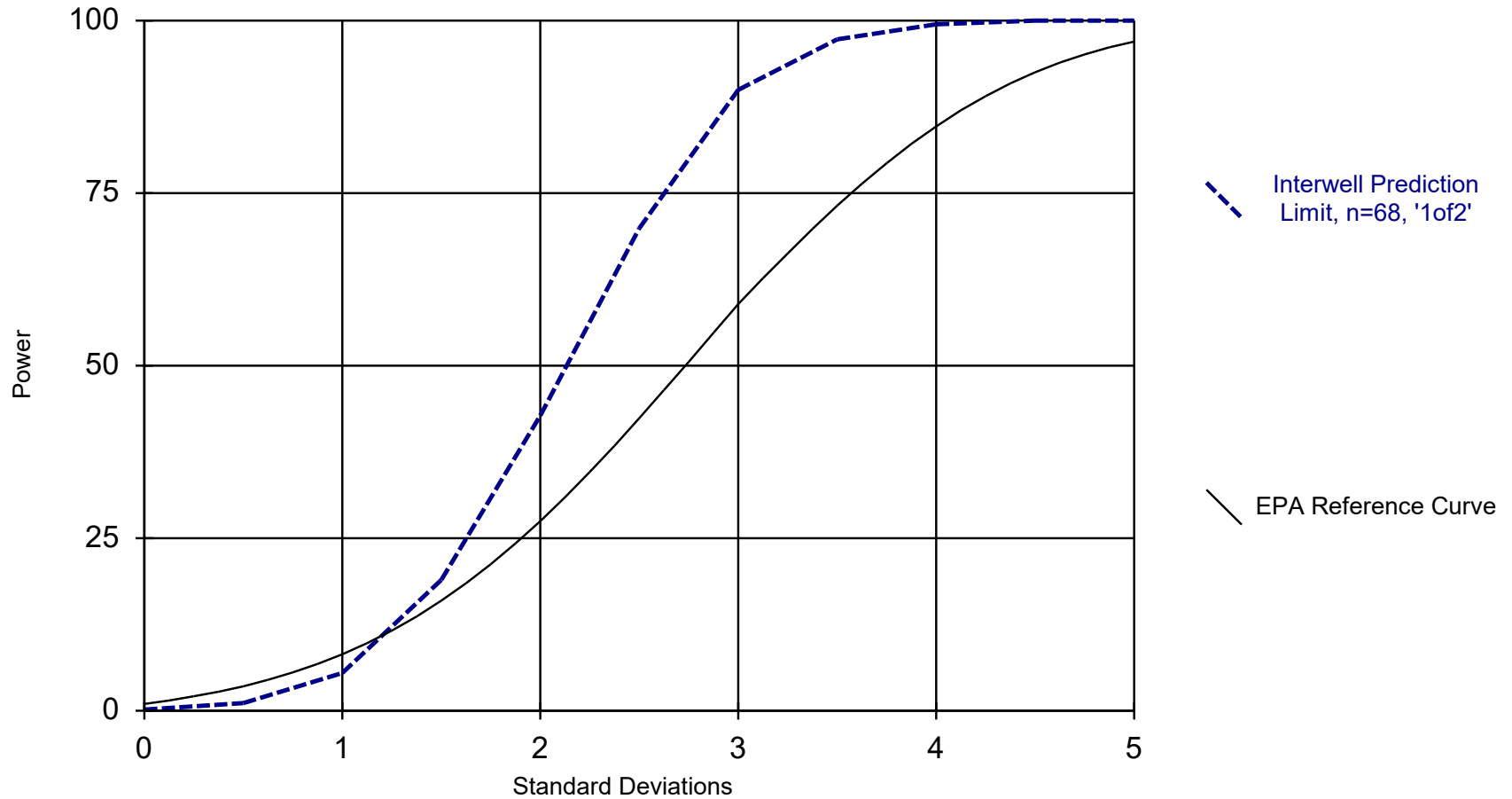


Kappa = 2.85, based on 11 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/16/2020 1:40 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Appendix III Interwell Power Curve

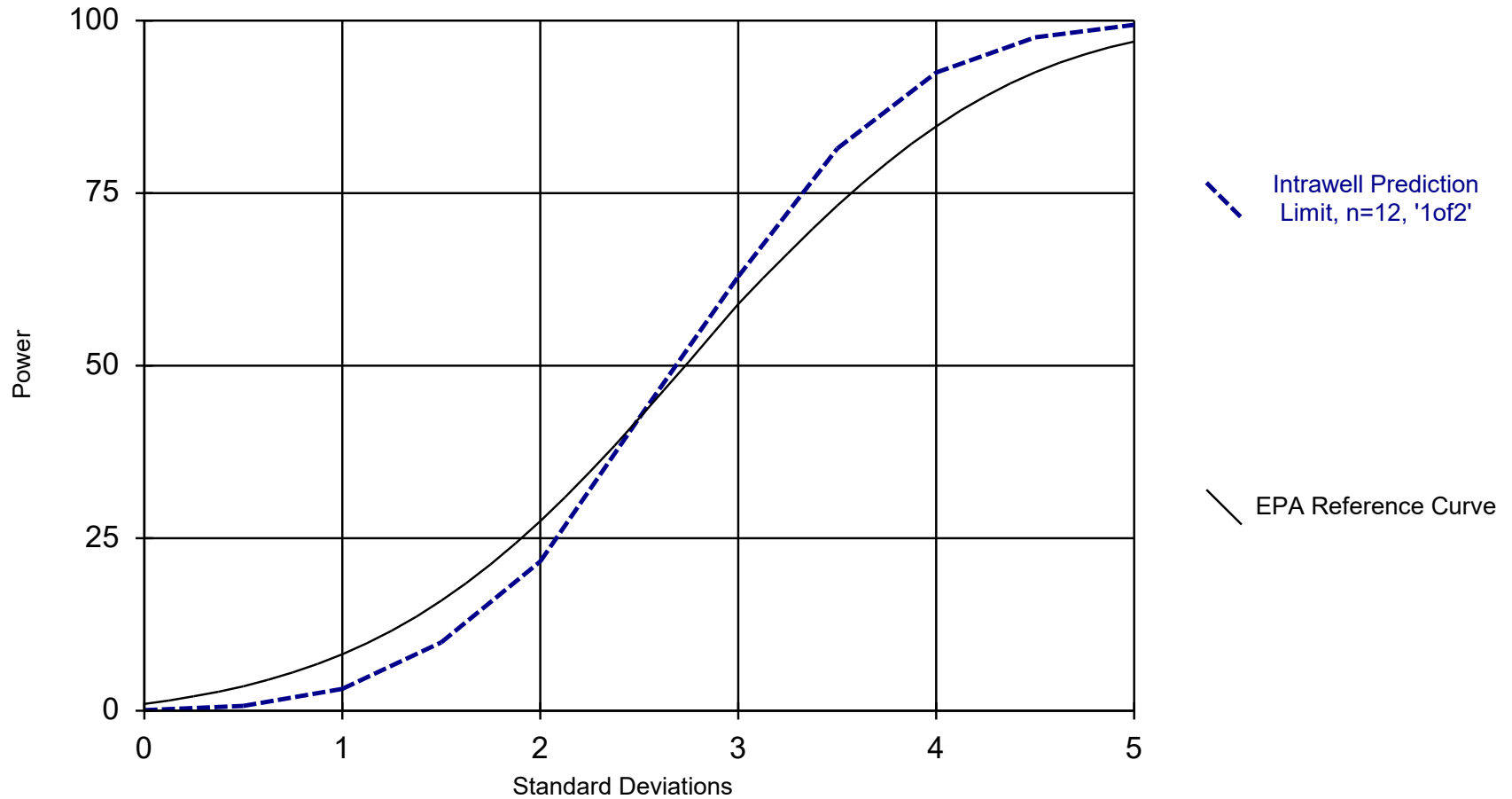


Kappa = 2.023, based on 11 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/16/2020 1:49 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Appendix III Intrawell Power Curve



Kappa = 2.643, based on 11 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/16/2020 1:40 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

100% Nondetect Well-Constituent Pairs

Date: 4/16/2020 10:03 AM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Antimony (mg/L)

GWA-36R, GWA-38, GWA-52, GWC-19R, GWC-20R, GWC-22R

Arsenic (mg/L)

GWA-36

Beryllium (mg/L)

GWA-52, GWA-53, GWA-54, GWC-16R, GWC-17R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Cadmium (mg/L)

GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, GWA-56, GWC-16R, GWC-17R, GWC-18R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Chromium (mg/L)

GWC-24R

Cobalt (mg/L)

GWA-52, GWA-53, GWA-53R, GWA-56, GWC-17R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Copper (mg/L)

GWC-18, GWC-25R

Lead (mg/L)

GWA-52, GWA-54, GWC-20R

Mercury (mg/L)

GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, GWA-56

Nickel (mg/L)

GWA-53R, GWC-17R, GWC-18R, GWC-20R

Selenium (mg/L)

GWA-36, GWA-36R, GWA-37, GWA-38, GWA-52, GWA-53, GWA-53R, GWA-54, GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Silver (mg/L)

GWA-36, GWA-36R, GWA-37, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, GWA-56, GWC-18, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Thallium (mg/L)

GWA-37, GWA-38, GWA-53R, GWA-56, GWC-17R, GWC-18R, GWC-19R, GWC-24R, GWC-25R

Vanadium (mg/L)

GWA-36, GWC-18, GWC-19R, GWC-21R, GWC-22R, GWC-25R

Date Ranges

Date: 4/15/2020 2:26 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Barium (mg/L)

GWA-36 background:3/17/2015-9/6/2018

GWA-53 background:6/24/2015-9/11/2018

Copper (mg/L)

GWA-37 background:3/17/2015-9/6/2018

Nickel (mg/L)

GWC-16R background:3/3/2015-9/7/2018

Zinc (mg/L)

GWA-36 background:3/17/2015-9/6/2018

State Parameters Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Antimony (mg/L)	GWC-16R	0.0187	n/a	3/4/2020	0.019	Yes	20	n/a	n/a	50	n/a	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWA-56	0.03746	n/a	3/4/2020	0.039	Yes	20	0.02309	0.005602	5	None	0.0002993	Param 1 of 2	

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq	N Bq	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Antimony (mg/L)	GWA-36	0.0032	n/a	3/2/2020	0.003ND	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.0052	n/a	3/2/2020	0.0018	No	20	n/a	n/a	n/a	45	n/a	0.004291	NP (normality) 1 of 2
Antimony (mg/L)	GWA-51RZ	0.0033	n/a	3/3/2020	0.003ND	No	19	n/a	n/a	n/a	68.42	n/a	0.004832	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-53	0.003	n/a	3/4/2020	0.0019	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-53R	0.0034	n/a	3/4/2020	0.00053	No	20	n/a	n/a	n/a	60	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-54	0.003	n/a	3/3/2020	0.0011	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-55	0.003	n/a	3/3/2020	0.003ND	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-55R	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-56	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-16R	0.0187	n/a	3/4/2020	0.019	Yes	20	n/a	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	3/5/2020	0.003ND	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	3/6/2020	0.00049	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	3/5/2020	0.00068	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.0064	n/a	3/3/2020	0.0019	No	20	n/a	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	3/5/2020	0.003ND	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	3/3/2020	0.003ND	No	17	n/a	n/a	n/a	64.71	n/a	0.005914	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	3/3/2020	0.003ND	No	19	n/a	n/a	n/a	68.42	n/a	0.004832	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-36R	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	3/2/2020	0.00053	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	3/2/2020	0.00059	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-51RZ	0.008095	n/a	3/3/2020	0.00073	No	19	0.002535	0.002138	36.84	Kaplan-Meier	0.0002993	Param 1 of 2	
Arsenic (mg/L)	GWA-52	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-53	0.005	n/a	3/4/2020	0.00044	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-53R	0.005	n/a	3/4/2020	0.00043	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-54	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-55	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-55R	0.005	n/a	3/4/2020	0.005ND	No	20	n/a	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-56	0.005	n/a	3/4/2020	0.0004	No	20	n/a	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	3/4/2020	0.00088	No	19	n/a	n/a	n/a	68.42	n/a	0.004832	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	3/6/2020	0.005ND	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	3/5/2020	0.00042	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	3/4/2020	0.00072	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.005	n/a	3/3/2020	0.0015	No	19	n/a	n/a	n/a	68.42	n/a	0.004832	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	3/3/2020	0.0014	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Barium (mg/L)	GWA-36	0.01907	n/a	3/2/2020	0.019	No	15	0.01257	0.002339	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-36R	0.03424	n/a	3/2/2020	0.024	No	20	0.02211	0.004732	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-37	0.014	n/a	3/2/2020	0.005	No	20	0.008485	0.002151	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-38	0.01787	n/a	3/2/2020	0.012	No	19	0.01284	0.001936	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-51RZ	0.0345	n/a	3/3/2020	0.017	No	20	0.01511	0.007558	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-52	0.04903	n/a	3/2/2020	0.023	No	20	0.02779	0.008281	5	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-53	0.02258	n/a	3/4/2020	0.013	No	15	0.01479	0.002803	6.667	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-53R	0.01632	n/a	3/4/2020	0.015	No	20	0.0144	0.0007501	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-54	0.058	n/a	3/3/2020	0.031	No	20	n/a	n/a	5	n/a	0.004291	NP (normality) 1 of 2	
Barium (mg/L)	GWA-55	0.03737	n/a	3/3/2020	0.023	No	20	0.02333	0.005472	5	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-55R	0.08801	n/a	3/4/2020	0.029	No	20	0.05106	0.0144	5	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWA-56	0.03746	n/a	3/4/2020	0.039	Yes	20	0.02309	0.005602	5	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-16R	0.079	n/a	3/4/2020	0.045	No	20	0.2188	0.02428	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-17R	0.02153	n/a	3/5/2020	0.018	No	19	0.01975	0.0006818	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-18	0.04779	n/a	3/6/2020	0.015	No	19	0.0302	0.006763	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-18R	0.0173	n/a	3/5/2020	0.015	No	16	0.01425	0.001127	0	None	0.0002993	Param 1 of 2	

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Barium (mg/L)	GWC-19R	0.01846	n/a	3/4/2020	0.017	No	19	0.01597	0.0009569	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-20R	0.03595	n/a	3/5/2020	0.028	No	20	0.02989	0.002362	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-21R	0.0377	n/a	3/3/2020	0.022	No	20	n/a	n/a	0	n/a	0.004291	NP (normality) 1 of 2	
Barium (mg/L)	GWC-22R	0.06518	n/a	3/3/2020	0.044	No	19	0.0402	0.009605	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-23R	0.0421	n/a	3/5/2020	0.022	No	20	0.02645	0.006104	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-24R	0.03363	n/a	3/3/2020	0.02	No	19	0.02339	0.003934	0	None	0.0002993	Param 1 of 2	
Barium (mg/L)	GWC-25R	0.0167	n/a	3/3/2020	0.015	No	20	n/a	n/a	0	n/a	0.004291	NP (normality) 1 of 2	
Beryllium (mg/L)	GWA-36	0.003	n/a	3/2/2020	0.00024	No	20	n/a	n/a	35	n/a	0.004291	NP (normality) 1 of 2	
Beryllium (mg/L)	GWA-36R	0.0032	n/a	3/2/2020	0.00015	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2	
Beryllium (mg/L)	GWA-37	0.003	n/a	3/2/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWA-38	0.003	n/a	3/2/2020	0.003ND	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWA-51RZ	0.003	n/a	3/3/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWA-53R	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWA-55	0.003	n/a	3/3/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWA-55R	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWA-56	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWC-18	0.003	n/a	3/6/2020	0.003ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWC-18R	0.003	n/a	3/5/2020	0.00013	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWC-19R	0.003	n/a	3/4/2020	0.00013	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2	
Beryllium (mg/L)	GWC-20R	0.003	n/a	3/5/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Cadmium (mg/L)	GWA-36	0.001664	n/a	3/2/2020	0.0012	No	20	0.0008898	0.000302	15	None	0.0002993	Param 1 of 2	
Cadmium (mg/L)	GWA-36R	0.001	n/a	3/2/2020	0.00018	No	20	n/a	n/a	40	n/a	0.004291	NP (normality) 1 of 2	
Cadmium (mg/L)	GWA-37	0.0025	n/a	3/2/2020	0.0025ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2	
Cadmium (mg/L)	GWA-38	0.0025	n/a	3/2/2020	0.0025ND	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2	
Cadmium (mg/L)	GWA-51RZ	0.0025	n/a	3/3/2020	0.0025ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2	
Cadmium (mg/L)	GWC-18	0.0025	n/a	3/6/2020	0.0025ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Cadmium (mg/L)	GWC-21R	0.0025	n/a	3/3/2020	0.0025ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Cadmium (mg/L)	GWC-22R	0.0025	n/a	3/3/2020	0.0025ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Cadmium (mg/L)	GWC-25R	0.0025	n/a	3/3/2020	0.0025ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-36	0.01	n/a	3/2/2020	0.01ND	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-36R	0.01	n/a	3/2/2020	0.00047	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-37	0.01	n/a	3/2/2020	0.01ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-38	0.01	n/a	3/2/2020	0.0014	No	20	n/a	n/a	20	n/a	0.004291	NP (normality) 1 of 2	
Chromium (mg/L)	GWA-51RZ	0.02	n/a	3/3/2020	0.01ND	No	17	n/a	n/a	58.82	n/a	0.005914	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-52	0.01	n/a	3/2/2020	0.0011	No	20	n/a	n/a	60	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-53	0.01	n/a	3/4/2020	0.00076	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-53R	0.01	n/a	3/4/2020	0.0012	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-54	0.01	n/a	3/3/2020	0.0017	No	20	n/a	n/a	40	n/a	0.004291	NP (normality) 1 of 2	
Chromium (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.00085	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.00079	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.01ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-16R	0.01	n/a	3/4/2020	0.0014	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-17R	0.01	n/a	3/5/2020	0.00063	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-18	0.005104	n/a	3/6/2020	0.0019	No	16	0.002947	0.0007961	0	None	0.0002993	Param 1 of 2	
Chromium (mg/L)	GWC-18R	0.01	n/a	3/5/2020	0.0007	No	16	n/a	n/a	68.75	n/a	0.006456	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-19R	0.01	n/a	3/4/2020	0.001	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-20R	0.01	n/a	3/5/2020	0.00075	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-21R	0.01	n/a	3/3/2020	0.00058	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-22R	0.01	n/a	3/3/2020	0.00057	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-23R	0.01	n/a	3/5/2020	0.00086	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2	
Chromium (mg/L)	GWC-25R	0.01	n/a	3/3/2020	0.00078	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2	
Cobalt (mg/L)	GWA-36	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2	
Cobalt (mg/L)	GWA-36R	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2	
Cobalt (mg/L)	GWA-37	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	55	n/a	0.004291	NP (NDs) 1 of 2	
Cobalt (mg/L)	GWA-38	0.004336	n/a	3/2/2020	0.0011	No	17	0.04368	0.008291	0	None	0.0002993	Param 1 of 2	

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Cobalt (mg/L)	GWA-51RZ	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-54	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-55	0.00715	n/a	3/3/2020	0.0048	No	20	n/a	n/a	35	n/a	0.004291	NP (normality) 1 of 2
Cobalt (mg/L)	GWA-55R	0.005	n/a	3/4/2020	0.005ND	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-16R	0.00818	n/a	3/4/2020	0.005ND	No	20	0.0431	0.01846	15	None	0.0002993	Param 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	3/6/2020	0.005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	3/3/2020	0.00078	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWA-36	0.025	n/a	3/2/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-36R	0.025	n/a	3/2/2020	0.00043	No	15	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.02858	n/a	3/2/2020	0.0068	No	10	0.01155	0.005241	0	None	0.0002993	Param 1 of 2
Copper (mg/L)	GWA-38	0.025	n/a	3/2/2020	0.00019	No	15	n/a	n/a	53.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-51RZ	0.025	n/a	3/3/2020	0.00041	No	14	n/a	n/a	64.29	n/a	0.008612	NP (NDs) 1 of 2
Copper (mg/L)	GWA-52	0.025	n/a	3/2/2020	0.00024	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-53	0.025	n/a	3/4/2020	0.00053	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-53R	0.025	n/a	3/4/2020	0.025ND	No	15	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-54	0.025	n/a	3/3/2020	0.00025	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-55	0.025	n/a	3/3/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-55R	0.025	n/a	3/4/2020	0.025ND	No	15	n/a	n/a	80	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-56	0.025	n/a	3/4/2020	0.0003	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.025	n/a	3/4/2020	0.0024	No	15	n/a	n/a	13.33	n/a	0.007533	NP (normality) 1 of 2
Copper (mg/L)	GWC-17R	0.025	n/a	3/5/2020	0.00023	No	15	n/a	n/a	40	n/a	0.007533	NP (normality) 1 of 2
Copper (mg/L)	GWC-18R	0.025	n/a	3/5/2020	0.025ND	No	15	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.025	n/a	3/4/2020	0.00036	No	15	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.025	n/a	3/5/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.025	n/a	3/3/2020	0.00049	No	15	n/a	n/a	53.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.025	n/a	3/3/2020	0.00022	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.025	n/a	3/5/2020	0.0003	No	15	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.025	n/a	3/3/2020	0.00097	No	15	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Lead (mg/L)	GWA-36	0.005	n/a	3/2/2020	0.000052	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-36R	0.0069	n/a	3/2/2020	0.00031	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-51RZ	0.005	n/a	3/3/2020	0.000051	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-53	0.005	n/a	3/4/2020	0.00016	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-53R	0.005	n/a	3/4/2020	0.000066	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-55	0.005	n/a	3/3/2020	0.000048	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-55R	0.005	n/a	3/4/2020	0.005ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-56	0.005	n/a	3/4/2020	0.00005	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.005	n/a	3/4/2020	0.005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.005	n/a	3/6/2020	0.00013	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.005	n/a	3/5/2020	0.00032	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.005	n/a	3/4/2020	0.0003	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.005	n/a	3/3/2020	0.000059	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.005	n/a	3/5/2020	0.000052	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.005	n/a	3/3/2020	0.000057	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.005	n/a	3/3/2020	0.000059	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-36	0.0005	n/a	3/2/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-36R	0.0005	n/a	3/2/2020	0.0005ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0005	n/a	3/2/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0005	n/a	3/2/2020	0.0005ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Mercury (mg/L)	GWA-51RZ	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0005	n/a	3/4/2020	0.0005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0005	n/a	3/5/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0005	n/a	3/6/2020	0.0005ND	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0005	n/a	3/5/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0005	n/a	3/4/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0005	n/a	3/5/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-21R	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0005	n/a	3/5/2020	0.0005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-36	0.0142	n/a	3/2/2020	0.00071	No	15	n/a	n/a	80	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-36R	0.01	n/a	3/2/2020	0.00051	No	15	n/a	n/a	53.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02948	n/a	3/2/2020	0.0079	No	15	0.01434	0.005448	0	None	0.0002993	Param 1 of 2
Nickel (mg/L)	GWA-38	0.01429	n/a	3/2/2020	0.001	No	15	0.05358	0.02374	26.67	Kaplan-Meier	0.0002993	Param 1 of 2
Nickel (mg/L)	GWA-51RZ	0.01	n/a	3/3/2020	0.01ND	No	14	n/a	n/a	85.71	n/a	0.008612	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-52	0.01	n/a	3/2/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-53	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-54	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	80	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.00061	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-16R	0.02928	n/a	3/4/2020	0.0032	No	11	0.01443	0.004761	0	None	0.0002993	Param 1 of 2
Nickel (mg/L)	GWC-18	0.01	n/a	3/6/2020	0.0005	No	15	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.01	n/a	3/4/2020	0.00071	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	3/3/2020	0.00099	No	14	n/a	n/a	42.86	n/a	0.008612	NP (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.01	n/a	3/3/2020	0.001	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.01	n/a	3/5/2020	0.00075	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-24R	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-51RZ	0.01	n/a	3/3/2020	0.0053	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Selenium (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.0025	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.0018	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.01ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.01	n/a	3/2/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-36	0.001	n/a	3/2/2020	0.001ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-36R	0.001	n/a	3/2/2020	0.001ND	No	19	n/a	n/a	89.47	n/a	0.004832	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-51RZ	0.001	n/a	3/3/2020	0.00012	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-52	0.001	n/a	3/2/2020	0.001ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-53	0.001	n/a	3/4/2020	0.001ND	No	20	n/a	n/a	55	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-54	0.001	n/a	3/3/2020	0.000079	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWA-55	0.001	n/a	3/3/2020	0.000065	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-55R	0.001	n/a	3/4/2020	0.001ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.00116	n/a	3/4/2020	0.00014	No	20	-8.321	0.6089	20	Kaplan-Meier	0.0002993	Param 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	3/6/2020	0.000076	No	20	n/a	n/a	40	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	3/5/2020	0.001ND	No	20	n/a	n/a	45	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	3/3/2020	0.000071	No	20	n/a	n/a	40	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	3/3/2020	0.000072	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	3/5/2020	0.00018	No	18	n/a	n/a	33.33	n/a	0.005373	NP (normality) 1 of 2
Vanadium (mg/L)	GWA-36R	0.01	n/a	3/2/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	3/2/2020	0.00074	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Vanadium (mg/L)	GWA-38	0.01	n/a	3/2/2020	0.0014	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-51RZ	0.01862	n/a	3/3/2020	0.00091	No	13	0.006365	0.004195	46.15	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Vanadium (mg/L)	GWA-52	0.01	n/a	3/2/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-53	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-53R	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-54	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	3/4/2020	0.0023	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	3/5/2020	0.00071	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	3/3/2020	0.0011	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-36	0.6895	n/a	3/2/2020	0.54	No	15	0.2609	0.1542	0	None	n/a	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-36R	0.2673	n/a	3/2/2020	0.056	No	10	0.2552	0.08056	0	None	n/a	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-37	0.01469	n/a	3/2/2020	0.0063	No	15	0.007437	0.002609	6.667	None	n/a	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-38	0.01324	n/a	3/2/2020	0.0032	No	14	0.004518	0.003061	21.43	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-51RZ	0.02982	n/a	3/3/2020	0.0035	No	13	0.01128	0.00635	30.77	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-52	0.01	n/a	3/2/2020	0.0024	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-53	0.01	n/a	3/4/2020	0.004	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWA-53R	0.01	n/a	3/4/2020	0.0027	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWA-54	0.01	n/a	3/3/2020	0.0024	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.005	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.0028	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.0029	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.09557	n/a	3/4/2020	0.015	No	15	0.0002999	0.0002062	6.667	None	n/a	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-17R	0.02404	n/a	3/5/2020	0.0035	No	15	0.1752	0.04079	13.33	None	n/a	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-18	0.02694	n/a	3/6/2020	0.0045	No	15	-5.394	0.6405	13.33	None	n/a	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-18R	0.01	n/a	3/5/2020	0.0024	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.01	n/a	3/4/2020	0.0072	No	15	n/a	n/a	33.33	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.01	n/a	3/5/2020	0.0023	No	14	n/a	n/a	28.57	n/a	n/a	0.008612	NP (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.006515	n/a	3/3/2020	0.0044	No	15	-5.726	0.2492	20	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-22R	0.01	n/a	3/3/2020	0.0029	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.008062	n/a	3/5/2020	0.0084	No	15	-6.256	0.5164	40	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-24R	0.01	n/a	3/3/2020	0.0033	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.01	n/a	3/3/2020	0.0027	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP (NDs) 1 of 2

Trend Tests Summary Table - State Parameters - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:27 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	GWA-37 (bg)	-0.0006393	-120	-89	Yes	23	39.13	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-36 (bg)	0.002034	153	89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-38 (bg)	-0.0006432	-124	-84	Yes	22	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-52 (bg)	-0.004457	-146	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-53 (bg)	-0.003624	-180	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-55R (bg)	-0.006343	-125	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-56 (bg)	0.004061	157	89	Yes	23	4.348	n/a	n/a	0.02	NP

Trend Tests Summary Table - State Parameters - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:27 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	GWA-36 (bg)	0	-17	-89	No	23	86.96	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-36R (bg)	0	0	89	No	23	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-37 (bg)	-0.0006393	-120	-89	Yes	23	39.13	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-38 (bg)	0	0	89	No	23	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-51RZ (bg)	0	-39	-84	No	22	68.18	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-52 (bg)	0	0	89	No	23	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-53 (bg)	0	-53	-89	No	23	73.91	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-53R (bg)	0	-54	-89	No	23	52.17	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-54 (bg)	0	-41	-89	No	23	86.96	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-55 (bg)	0	4	89	No	23	95.65	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-55R (bg)	0	-26	-89	No	23	82.61	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-56 (bg)	0	-6	-89	No	23	95.65	n/a	n/a	0.02	NP
Antimony (mg/L)	GWC-16R	0.0001319	50	89	No	23	43.48	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-36 (bg)	0.002034	153	89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-36R (bg)	0.0005147	46	89	No	23	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-37 (bg)	-0.0004011	-55	-89	No	23	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-38 (bg)	-0.0006432	-124	-84	Yes	22	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-51RZ (bg)	0.002317	58	89	No	23	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-52 (bg)	-0.004457	-146	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-53 (bg)	-0.003624	-180	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-53R (bg)	0.0002544	83	89	No	23	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-54 (bg)	-0.001785	-51	-89	No	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-55 (bg)	-0.001184	-59	-89	No	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-55R (bg)	-0.006343	-125	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-56 (bg)	0.004061	157	89	Yes	23	4.348	n/a	n/a	0.02	NP

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq	N Bq	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Chloride (mg/L)	GWA-52	3.83	n/a	3/2/2020	4.9	Yes	13	2.279	0.5996	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-52	12.64	n/a	3/2/2020	16.3	Yes	13	6.378	2.42	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWC-21R	7.908	n/a	3/3/2020	11.3	Yes	13	3.733	1.614	7.692	None	0.0006839	Param 1 of 2	

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Chloride (mg/L)	GWA-36	2.751	n/a	3/2/2020	2.1	No	13	2.195	0.2147	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-36R	3.698	n/a	3/2/2020	2.4	No	13	3.017	0.2633	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-37	1.522	n/a	3/2/2020	0.78	No	13	1.022	0.1933	7.692	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-38	3.142	n/a	3/2/2020	2.5	No	13	2.473	0.2586	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-51RZ	4.153	n/a	3/3/2020	2.6	No	13	3.179	0.3765	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-52	3.83	n/a	3/2/2020	4.9	Yes	13	2.279	0.5996	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-53	2.851	n/a	3/4/2020	2.2	No	13	2.48	0.1434	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-53R	3.327	n/a	3/4/2020	2.3	No	13	0.9493	0.09766	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-54	1.953	n/a	3/3/2020	0.77	No	13	1.201	0.2909	7.692	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-55	3.939	n/a	3/3/2020	2.7	No	13	3.137	0.3098	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-55R	3.604	n/a	3/4/2020	2.6	No	13	2.938	0.2574	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWA-56	10.33	n/a	3/4/2020	4.5	No	13	6.322	1.55	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-16R	2.959	n/a	3/4/2020	0.79	No	13	1.914	0.4039	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-17R	7.985	n/a	3/5/2020	4.5	No	13	6.269	0.6635	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-18	2.764	n/a	3/6/2020	2.2	No	13	2.171	0.2291	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	3/5/2020	2.2	No	13	n/a	n/a	0	n/a	0.009692	NP (normality) 1 of 2
Chloride (mg/L)	GWC-19R	3.064	n/a	3/4/2020	2.3	No	13	2.447	0.2387	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-20R	2.711	n/a	3/5/2020	1.5	No	13	1.797	0.3534	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-21R	5.133	n/a	3/3/2020	3.9	No	13	4.046	0.42	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-22R	3.3	n/a	3/3/2020	2.5	No	13	n/a	n/a	0	n/a	0.009692	NP (normality) 1 of 2
Chloride (mg/L)	GWC-23R	2.938	n/a	3/5/2020	1.3	No	13	2.051	0.3427	0	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-24R	3.423	n/a	3/3/2020	2.1	No	13	6.078	2.178	7.692	None	0.0006839	Param 1 of 2
Chloride (mg/L)	GWC-25R	3.206	n/a	3/3/2020	2.4	No	13	2.661	0.2106	0	None	0.0006839	Param 1 of 2
pH (pH units)	GWA-36	7.43	6.39	3/2/2020	6.58	No	13	6.91	0.2008	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-36R	7.61	7.078	3/2/2020	7.24	No	13	7.344	0.1029	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-37	6.403	4.874	3/2/2020	5.52	No	13	5.638	0.2954	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-38	6.226	4.732	3/2/2020	5.49	No	13	5.479	0.2887	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-51RZ	7.749	7.257	3/3/2020	7.73	No	14	7.503	0.09723	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-52	7.772	7.234	3/2/2020	7.44	No	13	7.503	0.104	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-53	7.944	7.476	3/4/2020	7.63	No	13	7.71	0.09055	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-53R	7.946	7.603	3/4/2020	7.72	No	13	7.775	0.06628	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-54	7.939	7.275	3/3/2020	7.59	No	13	7.607	0.1283	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-55	7.85	6.813	3/3/2020	6.95	No	13	7.332	0.2005	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-55R	8.134	7.032	3/4/2020	7.27	No	13	7.583	0.2129	0	None	0.000342	Param 1 of 2
pH (pH units)	GWA-56	8.435	7.551	3/4/2020	7.95	No	14	7.993	0.1746	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-16R	7.505	6.817	3/4/2020	7.37	No	13	7.161	0.1329	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-17R	7.311	7.071	3/5/2020	7.3	No	13	7.191	0.04645	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-18	7.616	5.885	3/6/2020	7.01	No	13	6.751	0.3346	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-18R	8.062	7.418	3/5/2020	7.77	No	13	7.74	0.1244	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-19R	7.885	7.519	3/4/2020	7.65	No	13	7.702	0.07073	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-20R	7.945	7.323	3/5/2020	7.6	No	14	7.634	0.1228	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-21R	7.342	6.761	3/3/2020	7.1	No	13	7.052	0.1123	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-22R	8.056	7.094	3/3/2020	7.15	No	14	7.575	0.19	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-23R	7.832	6.951	3/5/2020	7.24	No	13	7.392	0.1702	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-24R	8.014	6.761	3/3/2020	7.55	No	13	7.388	0.2421	0	None	0.000342	Param 1 of 2
pH (pH units)	GWC-25R	7.874	7.241	3/3/2020	7.56	No	13	7.558	0.1224	0	None	0.000342	Param 1 of 2
Sulfate (mg/L)	GWA-36	2.854	n/a	3/2/2020	0.5ND	No	13	1.316	0.5945	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-36R	9.874	n/a	3/2/2020	7.9	No	13	1.713	0.5527	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-37	1.16	n/a	3/2/2020	0.5ND	No	13	0.661	0.1927	7.692	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-38	2.958	n/a	3/2/2020	0.5	No	13	1.285	0.6468	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-51RZ	32.12	n/a	3/3/2020	21.5	No	13	20.19	4.61	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-52	12.64	n/a	3/2/2020	16.3	Yes	13	6.378	2.42	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-53	2.285	n/a	3/4/2020	1.5	No	13	1.903	0.1477	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-53R	2.388	n/a	3/4/2020	1.7	No	13	1.939	0.1737	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-54	9.872	n/a	3/3/2020	1.7	No	13	5.531	1.678	0	None	0.0006839	Param 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Sulfate (mg/L)	GWA-55	48.37	n/a	3/3/2020	29	No	13	19.75	11.06	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-55R	29.73	n/a	3/4/2020	23.4	No	13	19.94	3.786	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-56	149.4	n/a	3/4/2020	69.4	No	13	84.7	25.01	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-16R	13.9	n/a	3/4/2020	8.4	No	13	7.229	2.577	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-17R	9.253	n/a	3/5/2020	7.7	No	12	1.876	0.1321	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-18	2.59	n/a	3/6/2020	2	No	13	2.009	0.2247	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-18R	2.805	n/a	3/5/2020	1.9	No	12	2.362	0.1675	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	3/4/2020	3.6	No	13	n/a	n/a	0	0	n/a	0.009692	NP (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.97	n/a	3/5/2020	1.1	No	13	1.943	0.7494	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-21R	7.908	n/a	3/3/2020	11.3	Yes	13	3.733	1.614	7.692	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-22R	2.79	n/a	3/3/2020	1.7	No	12	2.172	0.2339	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-23R	26.49	n/a	3/5/2020	10.8	No	13	13.96	4.844	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-24R	16.95	n/a	3/3/2020	2	No	13	1.955	0.8353	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-25R	2.06	n/a	3/3/2020	1.6	No	13	1.614	0.1727	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-36	155.2	n/a	3/2/2020	65	No	13	96.92	22.54	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-36R	235.5	n/a	3/2/2020	170	No	13	153.8	31.56	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	81.94	n/a	3/2/2020	5ND	No	12	4.428	1.75	33.33	0	Kaplan-Meier	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	119.7	n/a	3/2/2020	32	No	13	6.448	1.736	38.46	0	Kaplan-Meier	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-51RZ	343.9	n/a	3/3/2020	211	No	13	216.5	49.22	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-52	179.8	n/a	3/2/2020	142	No	12	141.4	14.53	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-53	174.6	n/a	3/4/2020	146	No	13	130.5	17.04	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-53R	193.3	n/a	3/4/2020	157	No	12	134.6	22.2	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-54	181.6	n/a	3/3/2020	91	No	13	125.2	21.8	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-55	277	n/a	3/3/2020	210	No	13	192.6	32.62	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-55R	247.1	n/a	3/4/2020	207	No	13	176.1	27.46	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-56	498.4	n/a	3/4/2020	325	No	13	328.7	65.59	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	365	n/a	3/4/2020	326	No	13	290.5	28.8	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	384.7	n/a	3/5/2020	307	No	13	330.2	21.04	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	161.2	n/a	3/6/2020	109	No	13	93.77	26.05	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	191.3	n/a	3/5/2020	143	No	13	142.6	18.81	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	229.2	n/a	3/4/2020	157	No	13	168.6	23.42	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.6	n/a	3/5/2020	171	No	13	195.7	15.04	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	435.3	n/a	3/3/2020	292	No	13	286.9	57.36	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	199.8	n/a	3/3/2020	181	No	13	163.1	14.18	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	374.2	n/a	3/5/2020	265	No	13	294.5	30.84	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	3/3/2020	146	No	13	n/a	n/a	0	0	n/a	0.009692	NP (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	194.6	n/a	3/3/2020	183	No	13	23678	5490	0	0	None	0.0006839	Param 1 of 2

Appendix III Interwell Prediction Limits Summary Table - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 4/15/2020, 10:53 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg</u>	<u>N Bg</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWC-16R	48.7	n/a	3/4/2020	60.6	Yes	168	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	48.7	n/a	3/5/2020	71.4	Yes	168	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	48.7	n/a	3/3/2020	70.2	Yes	168	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	48.7	n/a	3/5/2020	63.7	Yes	168	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2

Appendix III Interwell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 4/15/2020, 10:53 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	3/4/2020	0.027	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	3/5/2020	0.04ND	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	3/6/2020	0.04ND	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	3/5/2020	0.04ND	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	3/4/2020	0.04ND	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	3/5/2020	0.04ND	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	3/3/2020	0.0096	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	3/3/2020	0.0066	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	3/5/2020	0.04ND	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	3/3/2020	0.04ND	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	3/3/2020	0.04ND	No	168	n/a	n/a	64.88	n/a	64.88	n/a	0.00007003	NP (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	48.7	n/a	3/4/2020	60.6	Yes	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	48.7	n/a	3/5/2020	71.4	Yes	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18	48.7	n/a	3/6/2020	23.5	No	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18R	48.7	n/a	3/5/2020	32	No	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-19R	48.7	n/a	3/4/2020	34	No	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-20R	48.7	n/a	3/5/2020	38.9	No	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	48.7	n/a	3/3/2020	70.2	Yes	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-22R	48.7	n/a	3/3/2020	37.2	No	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	48.7	n/a	3/5/2020	63.7	Yes	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-24R	48.7	n/a	3/3/2020	33.3	No	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-25R	48.7	n/a	3/3/2020	37.6	No	168	n/a	n/a	0	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	3/4/2020	0.29	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	3/5/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	3/6/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	3/5/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	3/4/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	3/5/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	3/3/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	3/3/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	3/5/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	3/3/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	3/3/2020	0.3ND	No	168	n/a	n/a	52.38	n/a	52.38	n/a	0.00007003	NP (NDs) 1 of 2

Trend Tests Summary Table - Appendix III - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/15/2020, 2:22 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWA-36 (bg)	-2.355	-60	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-37 (bg)	-0.05434	-68	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-36R (bg)	-0.1603	-49	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-37 (bg)	-0.1106	-58	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-54 (bg)	-0.1941	-63	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.4336	-70	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.124	-58	-44	Yes	14	14.29	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.402	-83	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-21R	1.604	56	44	Yes	14	7.143	n/a	n/a	0.02	NP

Trend Tests Summary Table - Appendix III - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/15/2020, 2:22 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWA-36 (bg)	-2.355	-60	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-36R (bg)	-0.5553	-24	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-37 (bg)	-0.05434	-68	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-38 (bg)	0.1249	5	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-51RZ (bg)	2.285	36	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-52 (bg)	0.2011	10	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-53 (bg)	0	-1	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-53R (bg)	0.1594	6	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-54 (bg)	-0.3479	-16	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-55 (bg)	2.414	32	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-55R (bg)	1.461	21	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-56 (bg)	-1.814	-25	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-16R	2.861	43	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-17R	1.187	19	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-21R	3.089	41	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-23R	2.072	35	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-36 (bg)	-0.08208	-28	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-36R (bg)	-0.1603	-49	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-37 (bg)	-0.1106	-58	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-38 (bg)	0.09706	34	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-51RZ (bg)	0.05993	5	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-52 (bg)	0.0005895	6	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-53 (bg)	-0.05935	-22	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-53R (bg)	-0.06331	-25	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-54 (bg)	-0.1941	-63	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-55 (bg)	0	4	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-55R (bg)	0.08548	30	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-56 (bg)	0	0	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.4336	-70	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-36R (bg)	0.4815	21	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.124	-58	-44	Yes	14	14.29	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.3068	-33	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.828	42	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-52 (bg)	0.5794	11	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.0671	-30	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.06734	-23	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.402	-83	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-55 (bg)	1.076	7	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-55R (bg)	1.394	40	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-56 (bg)	5.378	17	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-21R	1.604	56	44	Yes	14	7.143	n/a	n/a	0.02	NP

Excluded Data

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 9:41 AM

	GWC-19R Barium (mg/L)	GWC-22R Barium (mg/L)	GWC-24R Barium (mg/L)	GWA-51RZ Chromium (mg/L)	GWC-18 Chromium (mg/L)	GWC-18R Chromium (mg/L)	GWA-38 Cobalt (mg/L)	GWC-17R Fluoride (mg/L)	GWC-21R Nickel (mg/L)	GWC-17R Sulfate (mg/L)
9/15/2014										
9/17/2014				<0.01 (o)						
10/4/2014					0.025 (o)					
10/21/2014				<0.01 (o)	0.024 (o)					
11/5/2014	<0.0013 (o)									
11/11/2014					0.025 (o)					
3/2/2015										
3/3/2015					0.029 (o)					
5/8/2015			0.036 (o)							
5/17/2015			0.029 (o)							
5/25/2015			0.029 (o)							
8/12/2015										
3/2/2016						<0.01 (o)				
3/3/2016										
3/4/2016		0.0422 (o)					2.1421 (O)			
3/7/2016	<3 (o)			<0.01 (o)						
3/8/2016								0.0261 (o)		
3/9/2016										
5/3/2016						<0.01 (o)				
7/12/2016										
9/8/2016										
9/13/2016										
1/6/2017										
3/23/2017				<0.01 (o)						
3/12/2019									25.9 (O)	

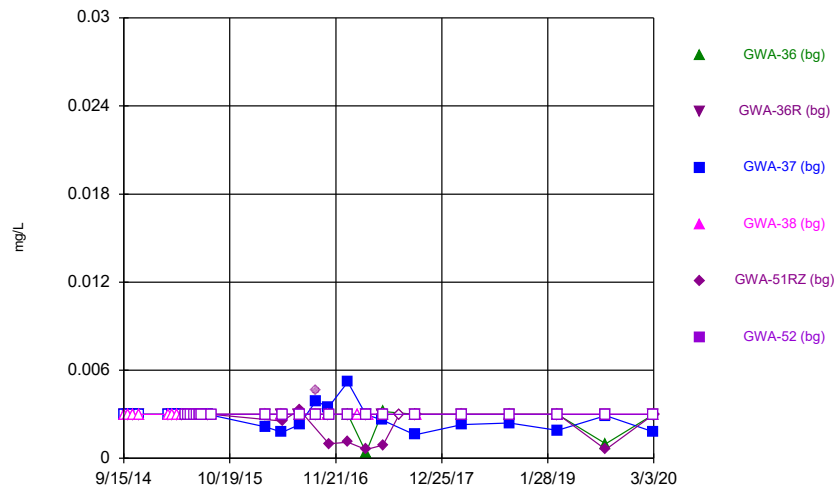
Excluded Data

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 9:41 AM

	GWC-23R Thallium (mg/L)	GWA-37 Total Dissolved Solids (mg/l)	GWA-51RZ Vanadium (mg/L)	GWA-36R Zinc (mg/L)	GWA-38 Zinc (mg/L)	GWA-51RZ Zinc (mg/L)	GWC-20R Zinc (mg/L)
9/15/2014				0.44 (o)			
9/17/2014							
10/4/2014							
10/21/2014							
11/5/2014							
11/11/2014							
3/2/2015				0.041 (o)			
3/3/2015							
5/8/2015							
5/17/2015					0.12 (o)		
5/25/2015							
8/12/2015		0.0279 (o)					
3/2/2016							
3/3/2016							
3/4/2016							
3/7/2016							
3/8/2016						0.557 (o)	
3/9/2016	0.0033 (Jo)						
5/3/2016							
7/12/2016							
9/8/2016							
9/13/2016							
1/6/2017		189 (O)					
3/23/2017							
3/12/2019							

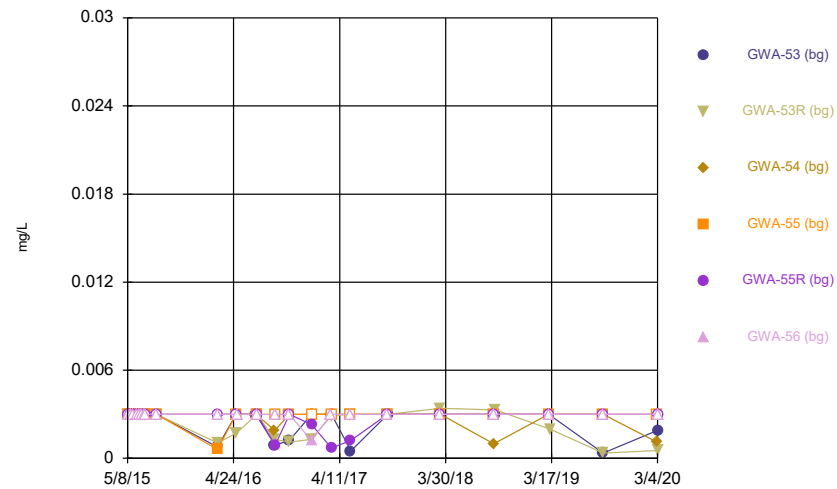
FIGURE A.

Time Series



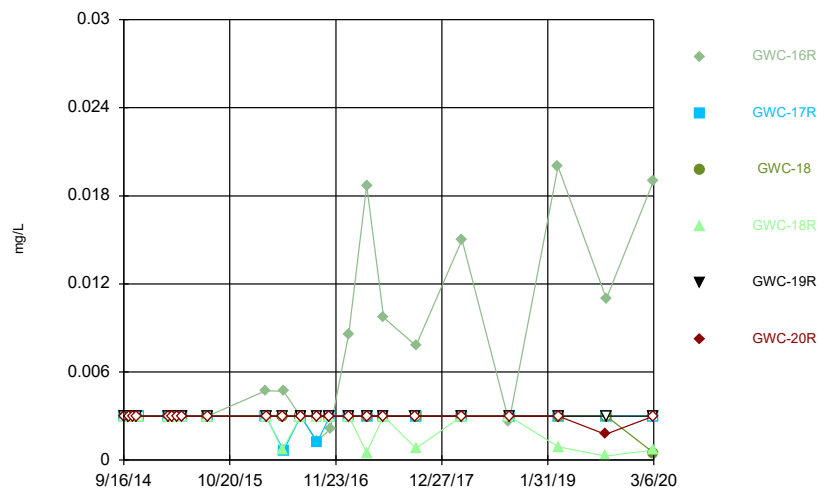
Constituent: Antimony Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



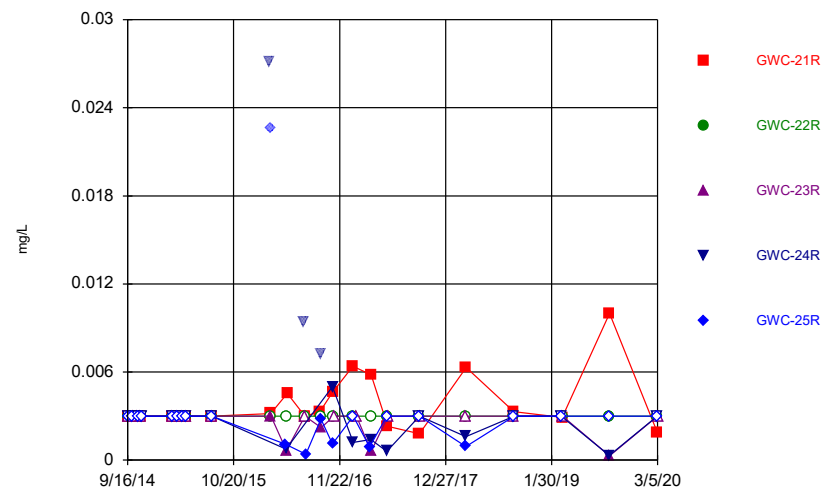
Constituent: Antimony Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Antimony Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Antimony Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.003	<0.003				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	<0.003		
10/20/2014	<0.003	<0.003	<0.003	<0.003		
11/10/2014	<0.003	<0.003	<0.003	<0.003		
3/2/2015	<0.003	<0.003	<0.003	<0.003		
3/17/2015	<0.003	<0.003	<0.003	<0.003		
4/5/2015	<0.003	<0.003	<0.003			
4/6/2015				<0.003		
4/21/2015	<0.003	<0.003				
4/22/2015			<0.003	<0.003		
5/8/2015					<0.003	<0.003
5/17/2015					<0.003	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	<0.003	<0.003	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	0.00214 (J)			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			0.00178 (J)	<0.003		
5/4/2016					0.00254 (JD)	<0.003
7/6/2016		<0.003				
7/7/2016	<0.003			<0.003	0.0033 (D)	
7/8/2016			0.0023 (J)			<0.003
9/7/2016	<0.003	<0.003	0.0039			
9/8/2016				<0.003	0.0046 (o)	<0.003
10/25/2016	<0.003	<0.003	0.0035	<0.003		
10/26/2016					0.001 (D)	<0.003
1/5/2017	<0.003	<0.003				
1/6/2017			0.0052		0.0011 (D)	<0.003
2/9/2017				<0.003		
3/14/2017		<0.003	0.003			
3/15/2017	0.0004 (J)				0.0006 (D)	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	0.0026 (J)			
5/17/2017	0.0032			<0.003		<0.003
5/18/2017					0.0009 (D)	
7/19/2017					<0.003 (D)	
9/15/2017	<0.003	<0.003	0.0016 (J)			<0.003
9/19/2017				<0.003	<0.003 (D)	
3/12/2018	<0.003	<0.003	0.0023 (J)			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	<0.003	<0.003	0.0024 (J)	<0.003		<0.003
9/7/2018					<0.003	
3/6/2019	<0.003		0.0019 (J)			
3/7/2019		<0.003		<0.003		<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.001 (J)	<0.003	0.0029 (J)	<0.003 (D)	0.0006 (J)	<0.003
3/2/2020	<0.003	<0.003	0.0018 (J)	<0.003		<0.003
3/3/2020					<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	<0.003	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	<0.003	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	<0.003				
7/1/2015			<0.003	<0.003	<0.003	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	<0.003	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003			
8/13/2015				<0.003	<0.003	<0.003
3/2/2016	0.000782 (J)	0.00106 (J)	<0.003	0.000608 (J)		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	0.00171 (J)		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	<0.003
9/7/2016		0.0013 (J)				
9/8/2016	0.0009 (J)		0.0019 (J)			
9/9/2016				<0.003	0.0009 (J)	<0.003
10/26/2016	0.0012 (J)		<0.003	<0.003		<0.003
10/27/2016		0.0011 (J)			<0.003	
1/6/2017		0.0013 (J)				
1/9/2017	<0.003		<0.003	<0.003	0.0023 (J)	0.0012 (J)
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	0.0029 (J)		<0.003	0.0007 (J)	
5/18/2017			<0.003	<0.003	0.0012 (J)	<0.003
5/19/2017	0.0005 (J)	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	0.0034	<0.003			<0.003
9/6/2018			0.001 (J)			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	0.0033				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	<0.003			<0.003		
3/12/2019		0.002 (J)				
9/4/2019						<0.003
9/5/2019	0.00035 (J)	0.00035 (J)	<0.003	<0.003	<0.003	
3/3/2020			0.0011 (J)	<0.003		
3/4/2020	0.0019 (J)	0.00053 (J)			<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.003					
9/17/2014		<0.003	<0.003	<0.003	<0.003	
9/18/2014						<0.003
10/4/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			<0.003		<0.003	<0.003
11/11/2014	<0.003	<0.003		<0.003		
3/3/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.003	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.003	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.003	<0.003	<0.003	<0.003		
4/24/2015					<0.003	<0.003
7/29/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	0.00472 (D)					
3/4/2016		<0.003				
3/7/2016			0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	0.000672 (J)		
5/9/2016					<0.003	<0.003
5/10/2016	0.0047	0.000641 (J)				
7/13/2016	<0.003		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		0.0012 (J)				
9/15/2016	0.0013 (J)					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	0.0021 (J)					
1/11/2017	0.0086	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	0.0187			0.0005 (J)		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	0.0097	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					<0.003	
9/21/2017	0.0078			0.0008 (J)		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	0.015	<0.003	<0.003	<0.003	<0.003	<0.003
9/7/2018	0.0026 (J)			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.02					
3/12/2019		<0.003	<0.003	0.00091 (J)	<0.003	<0.003
9/6/2019				0.00028 (J)		0.001755 (D)
9/9/2019	0.011		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	0.019				<0.003	
3/5/2020		<0.003		0.00068 (J)		<0.003
3/6/2020			0.00049 (J)			

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

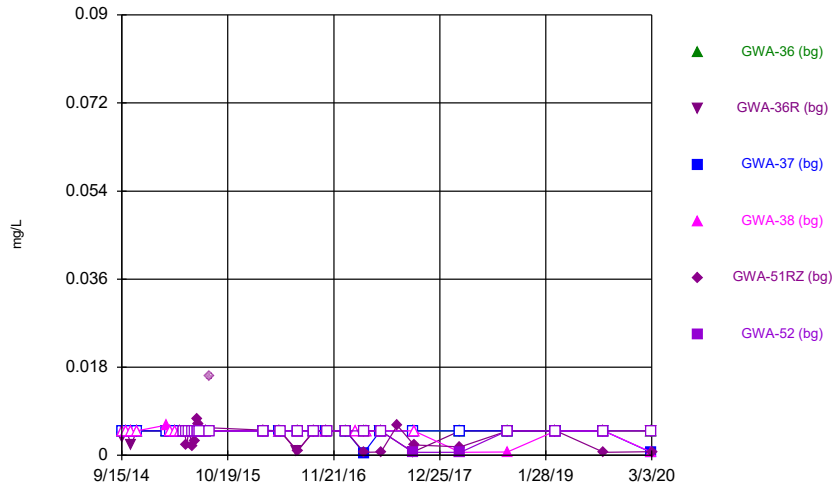
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.003	<0.003
9/18/2014	<0.003	<0.003	<0.003		
10/4/2014				<0.003	<0.003
10/5/2014	<0.003	<0.003	<0.003		
10/22/2014	<0.003	<0.003	<0.003		
10/23/2014				<0.003	<0.003
11/5/2014	<0.003	<0.003	<0.003		
11/10/2014				<0.003	<0.003
3/4/2015	<0.003	<0.003	<0.003	<0.003	<0.003
3/19/2015	<0.003	<0.003			
3/20/2015			<0.003	<0.003	<0.003
4/8/2015	<0.003	<0.003	<0.003	<0.003	
4/9/2015					<0.003
4/23/2015			<0.003	<0.003	<0.003
4/24/2015	<0.003	<0.003			
7/30/2015	<0.003	<0.003	<0.003	<0.003	<0.003
3/4/2016				0.0271 (Jo)	
3/7/2016		<0.003			
3/8/2016	0.00318				0.0226 (o)
3/9/2016			0.003		
5/4/2016					0.00107 (J)
5/5/2016		<0.003		0.000761 (J)	
5/6/2016			0.000666 (J)		
5/9/2016	0.00454				
7/12/2016				0.0094 (o)	
7/14/2016		<0.003			
7/15/2016	<0.003		<0.003		
7/18/2016					0.0004 (J)
9/9/2016	0.0033				
9/12/2016		<0.003			
9/13/2016				0.0072 (o)	0.0028 (J)
9/14/2016			0.0022 (J)		
10/27/2016	0.0046	<0.003		0.005	0.0011 (J)
11/1/2016			<0.003		
1/12/2017	0.0064				
1/13/2017		<0.003		0.0012 (J)	<0.003
1/25/2017			<0.003		
3/16/2017					0.0009 (J)
3/20/2017		<0.003		0.0014 (J)	
3/21/2017	0.0058				
3/22/2017			0.0006 (J)		
5/19/2017				0.0006 (J)	<0.003
5/23/2017	0.0023 (J)	<0.003			
5/24/2017			<0.003		
9/19/2017	0.0018 (J)	<0.003		<0.003	<0.003
9/21/2017			<0.003		
3/13/2018		<0.003		0.0016 (J)	0.00093 (J)
3/14/2018	0.0063		<0.003		
9/7/2018		<0.003			
9/10/2018	0.0033				
9/11/2018			<0.003	<0.003	<0.003
3/8/2019				<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

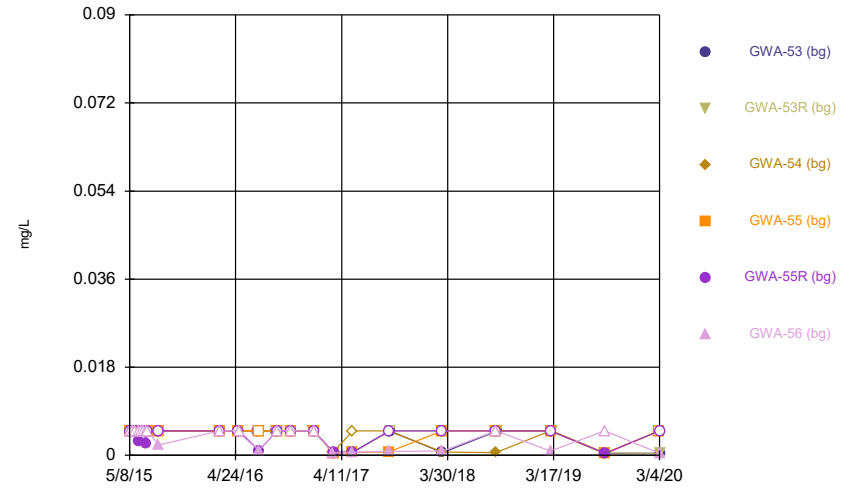
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	0.0029 (J)	<0.003			
3/12/2019			<0.003		
9/5/2019		<0.003		0.00031 (JD)	<0.003
9/6/2019	0.01		0.00029 (J)		
3/3/2020	0.0019 (J)	<0.003		<0.003	<0.003
3/5/2020			<0.003		

Time Series



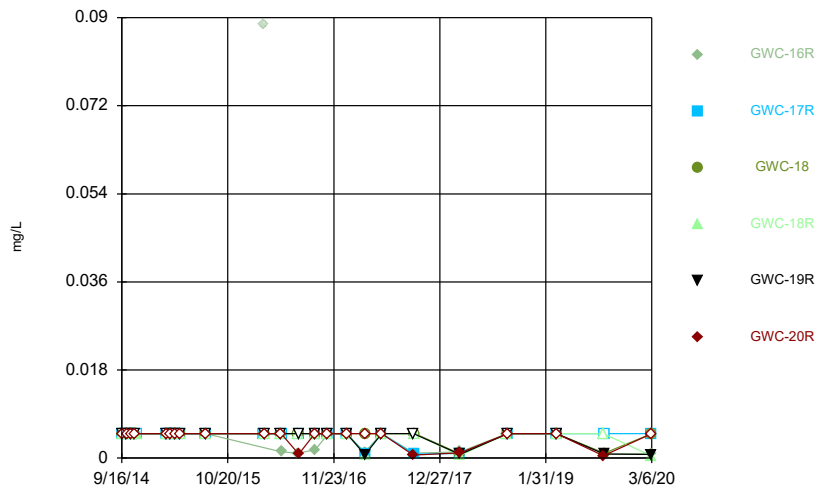
Constituent: Arsenic Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



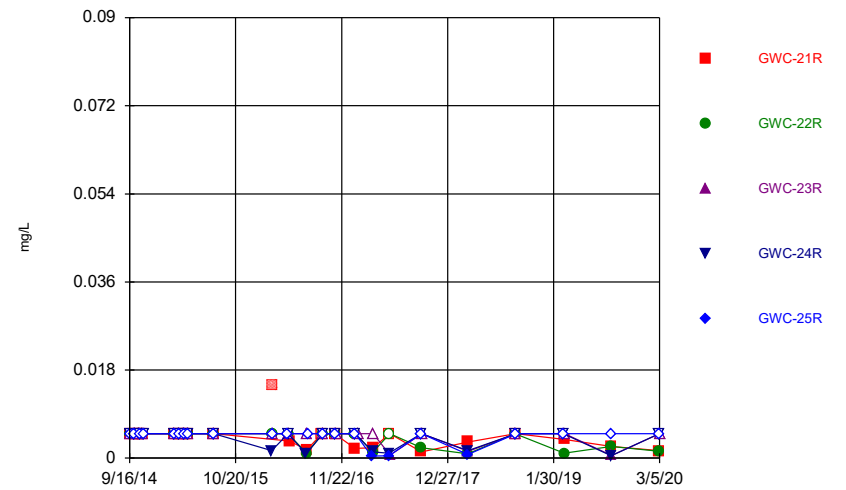
Constituent: Arsenic Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Arsenic Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Arsenic Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0036 (J)				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	0.0022 (J)	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	0.0062		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					0.0021 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					0.002 (J)	<0.005
6/18/2015					0.0028 (J)	<0.005
6/24/2015					0.0074	<0.005
6/30/2015					0.0065	<0.005
7/6/2015					0.0057	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					0.0162 (o)	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005 (D)	<0.005
7/6/2016		0.0008 (J)				
7/7/2016	<0.005			<0.005	0.0009 (JD)	
7/8/2016			<0.005			<0.005
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				<0.005	<0.005 (D)	<0.005
10/25/2016	<0.005	<0.005	<0.005	<0.005		
10/26/2016					<0.005 (D)	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		<0.005 (D)	<0.005
2/9/2017				<0.005		
3/14/2017		<0.005	0.0005 (J)			
3/15/2017	<0.005				0.0006 (JD)	<0.005
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			<0.005		<0.005
5/18/2017					0.0007 (JD)	
7/19/2017					0.0061 (D)	
9/15/2017	<0.005	0.0007 (J)	<0.005			0.0006 (J)
9/19/2017				<0.005	0.0021 (JD)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.00061 (J)	0.0017 (J)	0.00063 (J)
9/6/2018	<0.005	<0.005	<0.005	0.00071 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	<0.005 (D)	0.00061 (J)	<0.005
3/2/2020	<0.005	<0.005	0.00053 (J)	0.00059 (J)		<0.005
3/3/2020					0.00073 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	0.0028 (J)	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	0.0024 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	0.0021 (J)
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	0.001 (J)	0.001 (J)
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.005	<0.005	<0.005
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			0.0006 (J)			0.0005 (J)
3/16/2017	0.0005 (J)	0.0005 (J)		0.0005 (J)	0.0007 (J)	
5/18/2017			<0.005	0.0006 (J)	0.0006 (J)	0.0006 (J)
5/19/2017	0.0007 (J)	0.0007 (J)				
9/15/2017			<0.005	0.0007 (J)		0.0008 (J)
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	0.00058 (J)	<0.005	0.00066 (J)			0.00088 (J)
9/6/2018			0.00057 (J)			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	0.00085 (J)
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	0.00039 (J)	0.00046 (J)	0.00038 (J)	0.00044 (J)	0.00042 (J)	
3/3/2020			<0.005	<0.005		
3/4/2020	0.00044 (J)	0.00043 (J)			<0.005	0.0004 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.08869 (oD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00128 (J)	<0.005				
7/13/2016	0.001 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	0.0008 (J)
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0017 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	0.0012 (J)			0.0006 (J)		
3/21/2017		0.0009 (J)			0.0007 (J)	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	<0.005	<0.005	<0.005			
9/19/2017						0.0006 (J)
9/20/2017					<0.005	
9/21/2017	0.001 (J)			<0.005		
9/22/2017		0.0008 (J)				
9/25/2017			<0.005			
3/14/2018	0.0013 (J)	0.00092 (J)	0.00091 (J)	0.00057 (J)	0.00076 (J)	0.0011 (J)
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		0.00047 (JD)
9/9/2019	0.00094 (J)		0.00099 (J)		0.00082 (J)	
9/10/2019		<0.005				
3/4/2020	0.00088 (J)				0.00072 (J)	
3/5/2020		<0.005		0.00042 (J)		<0.005
3/6/2020			<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

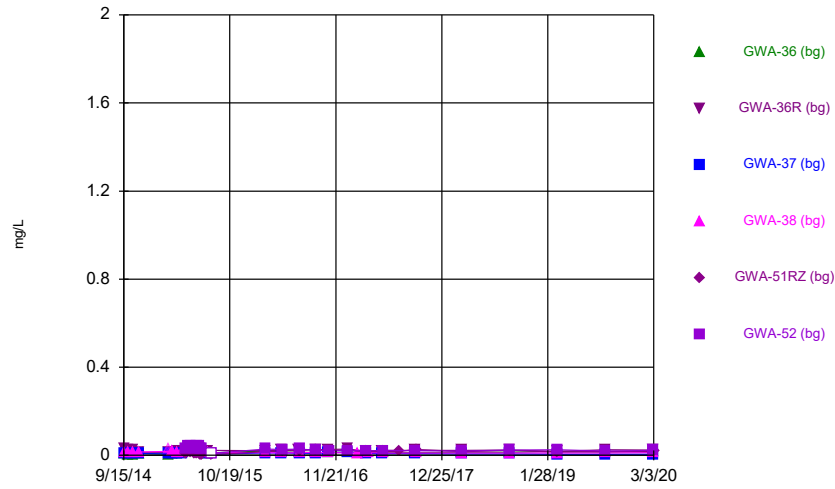
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.005	<0.005
9/18/2014	<0.005	<0.005	<0.005		
10/4/2014				<0.005	<0.005
10/5/2014	<0.005	<0.005	<0.005		
10/22/2014	<0.005	<0.005	<0.005		
10/23/2014				<0.005	<0.005
11/5/2014	<0.005	<0.005	<0.005		
11/10/2014				<0.005	<0.005
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2015	<0.005	<0.005			
3/20/2015			<0.005	<0.005	<0.005
4/8/2015	<0.005	<0.005	<0.005	<0.005	
4/9/2015					<0.005
4/23/2015			<0.005	<0.005	<0.005
4/24/2015	<0.005	<0.005			
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/4/2016				0.0015 (J)	
3/7/2016		<0.005			
3/8/2016	0.0148 (o)				<0.005
3/9/2016			<0.005		
5/4/2016					<0.005
5/5/2016		<0.005		<0.005	
5/6/2016			<0.005		
5/9/2016	0.00347 (J)				
7/12/2016				0.0009 (J)	
7/14/2016		0.001 (J)			
7/15/2016	0.0017 (J)		<0.005		
7/18/2016					<0.005
9/9/2016	<0.005				
9/12/2016		<0.005			
9/13/2016				<0.005	<0.005
9/14/2016			<0.005		
10/27/2016	<0.005	<0.005		<0.005	<0.005
11/1/2016			<0.005		
1/12/2017	0.002 (J)				
1/13/2017		<0.005		<0.005	<0.005
1/25/2017			<0.005		
3/16/2017					0.0004 (J)
3/20/2017		0.0012 (J)		0.0013 (J)	
3/21/2017	0.0021 (J)				
3/22/2017			<0.005		
5/19/2017				0.001 (J)	0.0005 (J)
5/23/2017	<0.005	<0.005			
5/24/2017			0.0006 (J)		
9/19/2017	0.0013 (J)	0.0021 (J)		<0.005	<0.005
9/21/2017			<0.005		
3/13/2018		0.00087 (J)		0.0015 (J)	0.00073 (J)
3/14/2018	0.0033 (J)		0.0014 (J)		
9/7/2018		<0.005			
9/10/2018	<0.005				
9/11/2018			<0.005	<0.005	<0.005
3/8/2019				<0.005	<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

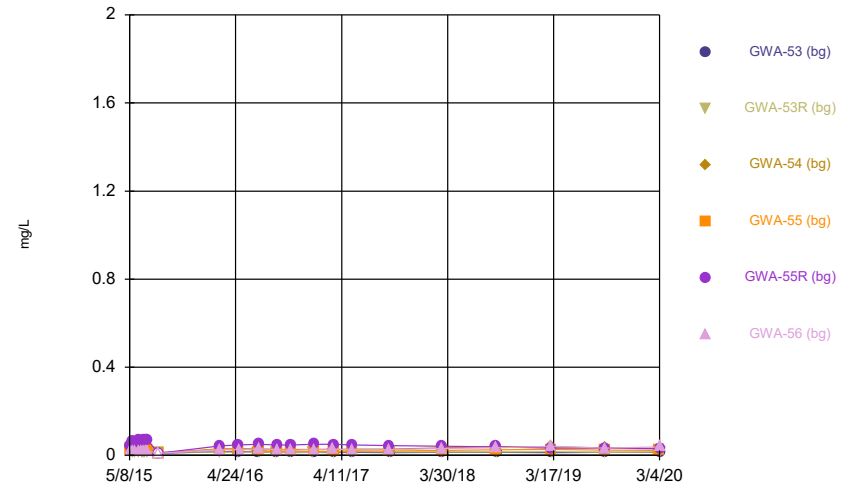
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	0.0038 (J)	0.00099 (J)			
3/12/2019			<0.005		
9/5/2019		0.0024 (J)		0.0005 (JD)	<0.005
9/6/2019	0.0024 (J)		0.00054 (J)		
3/3/2020	0.0015 (J)	0.0014 (J)		<0.005	<0.005
3/5/2020			<0.005		

Time Series



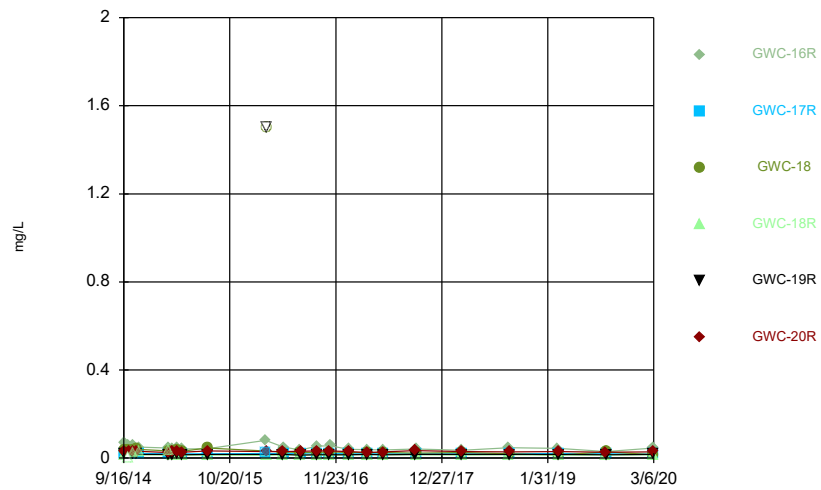
Constituent: Barium Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



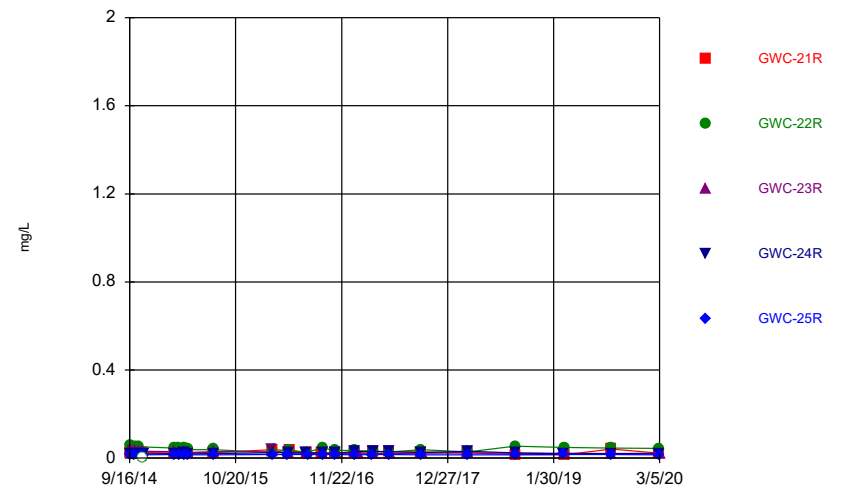
Constituent: Barium Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Barium Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Barium Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Barium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.0069	0.031				
9/16/2014			0.0071	0.014		
10/3/2014	0.0045	0.024	0.0087	0.016		
10/20/2014	0.0044	0.024	0.0085	0.014		
11/10/2014	<0.02	0.014	0.008	0.015		
3/2/2015	0.0045	0.013	0.0063	0.03 (o)		
3/17/2015	0.0078	0.013	0.0066	0.018		
4/5/2015	0.01	0.022	0.0068			
4/6/2015				0.014		
4/21/2015	0.013	0.018				
4/22/2015			0.0094	0.012		
5/8/2015					0.0094	0.033
5/17/2015					0.014	0.04
5/25/2015					0.012	0.039
6/8/2015					0.0094	0.031
6/18/2015					0.0075	0.039
6/24/2015					0.0056	0.042
6/30/2015					0.0047	0.033
7/6/2015					0.0047	0.031
7/28/2015	0.011	0.022	0.0057	0.012		
8/12/2015					0.00383 (J)	<0.02
2/29/2016						0.028
3/1/2016	0.0189	0.021	0.0101			
3/2/2016				0.0123		
5/2/2016	0.0133	0.0225				
5/3/2016			0.0104	0.0114		
5/4/2016					0.0207 (D)	0.0273
7/6/2016		0.0249				
7/7/2016	0.013			0.012	0.0207 (D)	
7/8/2016			0.0095 (J)			0.0284
9/7/2016	0.0116	0.0251	0.0095 (J)			
9/8/2016				0.0131	0.0278 (D)	0.0242
10/25/2016	0.0129	0.0274	0.0121	0.0122		
10/26/2016					0.0204 (D)	0.021
1/5/2017	0.013	0.028				
1/6/2017			0.014		0.0221 (D)	0.0219
2/9/2017				0.0104		
3/14/2017		0.02	0.009 (J)			
3/15/2017	0.0121				0.0172 (D)	0.0202
3/23/2017				0.0128		
5/16/2017		0.0221	0.0084 (J)			
5/17/2017	0.0123			0.0113		0.0219
5/18/2017					0.0181 (D)	
7/19/2017					0.018 (D)	
9/15/2017	0.0127	0.0231	0.0078 (J)			0.0209
9/19/2017				0.0114	0.0271 (D)	
3/12/2018	0.014	0.023	0.006 (J)			
3/13/2018				0.011	0.017	0.02
9/6/2018	0.013	0.024	0.0058 (J)	0.011		0.024
9/7/2018					0.022	
3/6/2019	0.018		0.0052 (J)			
3/7/2019		0.018		0.011		0.025

Time Series

Constituent: Barium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.015	
9/4/2019	0.014	0.026	0.005 (J)	0.0115 (D)	0.018	0.02
3/2/2020	0.019	0.024	0.005 (J)	0.012		0.023
3/3/2020					0.017	

Time Series

Constituent: Barium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.014				
5/9/2015	0.044		0.054	0.022	0.042	0.018
5/17/2015		0.015				
5/18/2015	0.04		0.058	0.031	0.063	
5/19/2015						0.02
5/25/2015	0.036	0.014	0.051			
5/26/2015				0.028	0.057	0.02
6/8/2015	0.028	0.014				
6/9/2015			0.034	0.031	0.07	0.02
6/17/2015	0.026		0.032	0.029	0.065	0.019
6/18/2015		0.013				
6/24/2015	0.021	0.014				
6/25/2015			0.032	0.024	0.068	0.019
6/30/2015	0.018	0.014				
7/1/2015			0.029	0.026	0.069	0.018
7/6/2015	0.018	0.013				
7/7/2015			0.029	0.027	0.071	0.019
8/12/2015	<0.02	0.015 (J)	<0.02	<0.02	<0.02	<0.02
3/2/2016	0.017	0.015	0.0297	0.0276		
3/3/2016					0.0424	0.0259
5/3/2016	0.016	0.0144		0.0291	0.0477	
5/4/2016			0.0299			
5/9/2016						0.0236
7/8/2016	0.0156		0.0294			
7/11/2016		0.0145		0.0225	0.0506	0.0295
9/7/2016		0.014				
9/8/2016	0.0144		0.0275			
9/9/2016				0.018	0.0478	0.0259
10/26/2016	0.0128		0.0263	0.0177		0.0231
10/27/2016		0.0142			0.0472	
1/6/2017		0.0139				
1/9/2017	0.0134		0.0263	0.0183	0.0507	0.0273
3/15/2017			0.0262			0.0286
3/16/2017	0.0129	0.0145		0.0175	0.0497	
5/18/2017			0.0276	0.0203	0.0466	0.0253
5/19/2017	0.0141	0.0161				
9/15/2017			0.0281	0.0197		0.0247
9/18/2017					0.0436	
9/19/2017	0.0127	0.0153				
3/12/2018				0.023	0.041	
3/13/2018	0.013	0.015	0.034			0.031
9/6/2018			0.04			
9/7/2018				0.025	0.039	0.034
9/11/2018	0.013	0.015				
3/7/2019			0.039		0.033	0.042
3/8/2019	0.012			0.027		
3/12/2019		0.016				
9/4/2019						0.033
9/5/2019	0.013	0.014	0.034	0.024	0.032	
3/3/2020			0.031	0.023		
3/4/2020	0.013	0.015			0.029	0.039

Time Series

Constituent: Barium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.069					
9/17/2014		0.019	0.035	0.015	0.018	
9/18/2014						0.031
10/4/2014	0.057	0.02	0.038	<0.0013 (o)	0.017	
10/5/2014						0.032
10/21/2014	0.056	0.02	0.034	0.027 (o)	0.017	
10/22/2014						0.03
11/5/2014			0.04		0.017	0.031
11/11/2014	0.05	0.021		0.028 (o)		
3/3/2015	0.045	0.02	0.033	0.034 (o)	0.016	
3/4/2015						0.026
3/18/2015	0.044	0.019	0.031	0.014		
3/19/2015					0.015	0.028
4/6/2015	0.045	0.02				
4/7/2015			0.038	0.017	0.017	0.031
4/23/2015	0.041	0.019	0.031	0.013		
4/24/2015					0.015	0.027
7/29/2015	0.043	0.02	0.045	0.013	0.016	
7/30/2015						0.032
3/3/2016	0.0806 (D)					
3/4/2016		0.0262 (Jo)				
3/7/2016			<3 (o)	0.0129	<3 (o)	
3/8/2016						0.0298
5/5/2016			0.0278	0.0149		
5/9/2016					0.0162	0.0304
5/10/2016	0.0495	0.0204				
7/13/2016	0.0374		0.0255	0.0132		
7/14/2016		0.0198			0.0142	0.0307
9/12/2016				0.0142	0.0154	0.0331
9/13/2016			0.0251			
9/14/2016		0.0183				
9/15/2016	0.0542					
10/31/2016			0.0277		0.015	0.0321
11/1/2016		0.0209		0.0127		
11/2/2016	0.0561					
1/11/2017	0.0401	0.0194		0.0146	0.0148	
1/12/2017			0.0258			0.0291
3/20/2017	0.0383			0.0147		
3/21/2017		0.0201			0.0159	
3/22/2017						0.025
3/23/2017			0.0254			
5/22/2017				0.0146	0.0155	0.0276
5/23/2017	0.0376	0.0199	0.0247			
9/19/2017						0.034
9/20/2017					0.0164	
9/21/2017	0.0418			0.0152		
9/22/2017		0.0195				
9/25/2017			0.0228			
3/14/2018	0.036	0.02	0.025	0.014	0.016	0.03
9/7/2018	0.047			0.015		
9/10/2018					0.016	0.028
9/11/2018		0.019	0.019			

Time Series

Constituent: Barium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.044					
3/12/2019		0.021	0.014	0.014	0.016	0.03
9/6/2019				0.014		0.0275 (D)
9/9/2019	0.03		0.028		0.015	
9/10/2019		0.019				
3/4/2020	0.045				0.017	
3/5/2020		0.018		0.015		0.028
3/6/2020			0.015			

Time Series

Constituent: Barium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

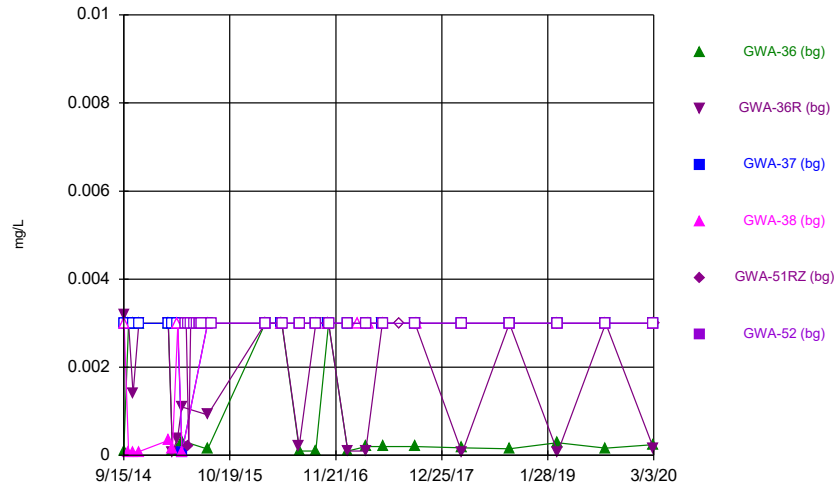
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				0.019	0.015
9/18/2014	0.023	0.057	0.042		
10/4/2014				0.019	0.015
10/5/2014	0.025	0.052	0.038		
10/22/2014	0.025	0.052	0.029		
10/23/2014				0.019	0.015
11/5/2014	0.025	<0.0013 (o)	0.031		
11/10/2014				0.019	0.015
3/4/2015	0.024	0.046	0.03	0.021	0.016
3/19/2015	0.024	0.045			
3/20/2015			0.027	0.02	0.015
4/8/2015	0.027	0.045	0.032	0.023	
4/9/2015					0.016
4/23/2015			0.026	0.02	0.015
4/24/2015	0.025	0.039			
7/30/2015	0.025	0.039	0.029	0.021	0.015
3/4/2016				0.0422 (o)	
3/7/2016		0.026			
3/8/2016	0.0377				0.0161
3/9/2016			0.0284 (J)		
5/4/2016					0.0167
5/5/2016		0.0374		0.0249	
5/6/2016			0.0233		
5/9/2016	0.0347				
7/12/2016				0.0246	
7/14/2016		0.0271			
7/15/2016	0.0259		0.0208		
7/18/2016					0.0162
9/9/2016	0.0242				
9/12/2016		0.045			
9/13/2016				0.0236	0.0161
9/14/2016			0.0198		
10/27/2016	0.0227	0.0359		0.0229	0.016
11/1/2016			0.0207		
1/12/2017	0.0253				
1/13/2017		0.0338		0.0292	0.015
1/25/2017			0.0195		
3/16/2017					0.0163
3/20/2017		0.033		0.029	
3/21/2017	0.0292				
3/22/2017			0.0211		
5/19/2017				0.0295	0.0164
5/23/2017	0.0282	0.0287			
5/24/2017			0.0217		
9/19/2017	0.0276	0.0389		0.0248	0.0147
9/21/2017			0.0226		
3/13/2018		0.028		0.031	0.015
3/14/2018	0.024		0.024		
9/7/2018		0.055			
9/10/2018	0.016				
9/11/2018			0.023	0.024	0.015
3/8/2019				0.02	0.017

Time Series

Constituent: Barium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

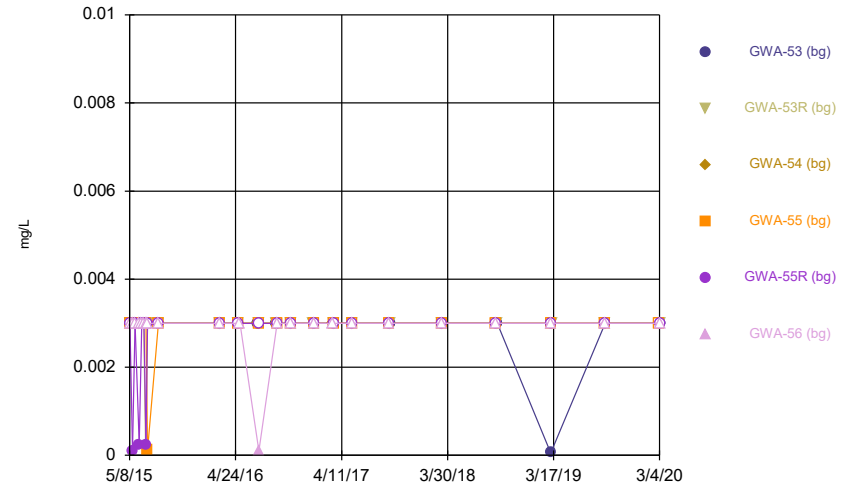
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	0.015	0.048			
3/12/2019			0.022		
9/5/2019		0.045		0.021 (D)	0.016
9/6/2019	0.041		0.021		
3/3/2020	0.022	0.044		0.02	0.015
3/5/2020			0.022		

Time Series



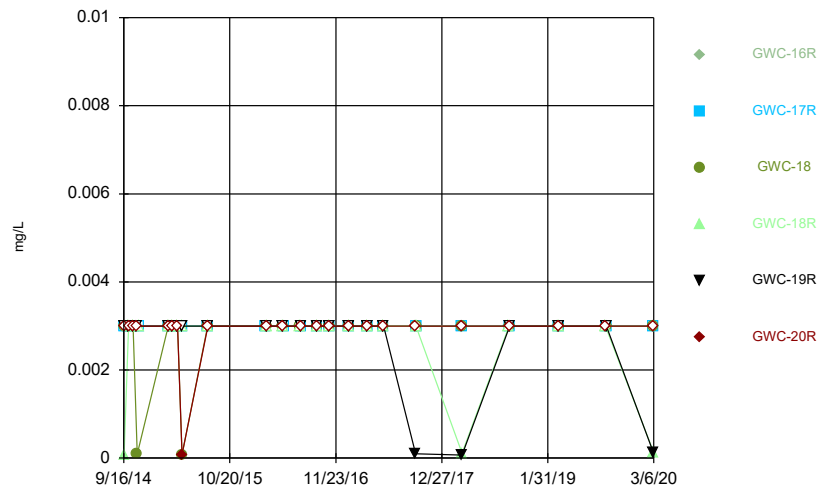
Constituent: Beryllium Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



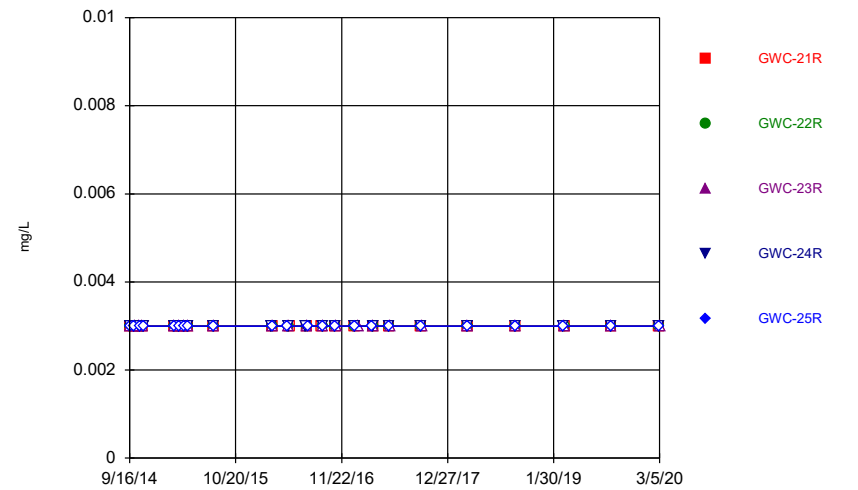
Constituent: Beryllium Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Beryllium Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Beryllium Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00011 (J)	0.0032				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	8.3E-05 (J)		
10/20/2014	<0.003	0.0014	<0.003	7.8E-05 (J)		
11/10/2014	<0.003	<0.003	<0.003	8E-05 (J)		
3/2/2015	<0.003	<0.003	<0.003	0.00034 (J)		
3/17/2015	0.0001 (J)	8.3E-05 (J)	<0.003	0.00014 (J)		
4/5/2015	0.00012 (J)	0.00038 (J)	<0.003			
4/6/2015				<0.003		
4/21/2015	0.00033 (J)	0.0011 (J)				
4/22/2015			8.3E-05 (J)	7.8E-05 (J)		
5/8/2015					<0.003	<0.003
5/17/2015					0.00022 (J)	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	0.00014 (J)	0.00092 (J)	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	<0.003			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			<0.003	<0.003		
5/4/2016					<0.003 (D)	<0.003
7/6/2016		0.0002 (J)				
7/7/2016	0.0001 (J)			<0.003	<0.003 (D)	
7/8/2016			<0.003			<0.003
9/7/2016	0.0001 (J)	<0.003	<0.003			
9/8/2016				<0.003	<0.003 (D)	<0.003
10/25/2016	<0.003	<0.003	<0.003	<0.003		
10/26/2016					<0.003 (D)	<0.003
1/5/2017	0.0001 (J)	0.0001 (J)				
1/6/2017			<0.003		<0.003 (D)	<0.003
2/9/2017				<0.003		
3/14/2017		0.0001 (J)	<0.003			
3/15/2017	0.0002 (J)				<0.003 (D)	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	<0.003			
5/17/2017	0.0002 (J)			<0.003		<0.003
5/18/2017					<0.003 (D)	
7/19/2017					<0.003 (D)	
9/15/2017	0.0002 (J)	<0.003	<0.003			<0.003
9/19/2017				<0.003	<0.003 (D)	
3/12/2018	0.00017 (J)	5.6E-05 (J)	<0.003			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	0.00015 (J)	<0.003	<0.003	<0.003		<0.003
9/7/2018					<0.003	
3/6/2019	0.00029 (J)		<0.003			
3/7/2019		6.8E-05 (J)		<0.003		<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.00016 (J)	<0.003	<0.003	<0.003 (D)	<0.003	<0.003
3/2/2020	0.00024 (J)	0.00015 (J)	<0.003	<0.003		<0.003
3/3/2020					<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	0.00011 (J)	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	0.00025 (J)	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	0.00014 (J)				
7/1/2015			<0.003	<0.003	0.00024 (J)	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	0.00012 (J)	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/2/2016	<0.003	<0.003	<0.003	<0.003		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	<0.003		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	0.0001 (J)
9/7/2016		<0.003				
9/8/2016	<0.003		<0.003			
9/9/2016				<0.003	<0.003	<0.003
10/26/2016	<0.003		<0.003	<0.003		<0.003
10/27/2016		<0.003			<0.003	
1/6/2017		<0.003				
1/9/2017	<0.003		<0.003	<0.003	<0.003	<0.003
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	<0.003		<0.003	<0.003	
5/18/2017			<0.003	<0.003	<0.003	<0.003
5/19/2017	<0.003	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	<0.003	<0.003			<0.003
9/6/2018			<0.003			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	<0.003				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	5.7E-05 (J)			<0.003		
3/12/2019		<0.003				
9/4/2019						<0.003
9/5/2019	<0.003	<0.003	<0.003	<0.003	<0.003	
3/3/2020			<0.003	<0.003		
3/4/2020	<0.003	<0.003			<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.003					
9/17/2014		<0.003	<0.003	7.8E-05 (J)	<0.003	
9/18/2014						<0.003
10/4/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			9E-05 (J)		<0.003	<0.003
11/11/2014	<0.003	<0.003		<0.003		
3/3/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.003	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.003	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.003	<0.003	7.8E-05 (J)	<0.003		
4/24/2015					<0.003	8.3E-05 (J)
7/29/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	<0.003 (D)					
3/4/2016		<0.003				
3/7/2016			<0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	<0.003		
5/9/2016					<0.003	<0.003
5/10/2016	<0.003	<0.003				
7/13/2016	<0.003		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		<0.003				
9/15/2016	<0.003					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	<0.003					
1/11/2017	<0.003	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	<0.003			<0.003		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	<0.003	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					0.0001 (J)	
9/21/2017	<0.003			<0.003		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	<0.003	<0.003	<0.003	0.00011 (J)	6.5E-05 (J)	<0.003
9/7/2018	<0.003			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.003					
3/12/2019		<0.003	<0.003	<0.003	<0.003	<0.003
9/6/2019				<0.003		<0.003 (D)
9/9/2019	<0.003		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	<0.003				0.00013 (J)	
3/5/2020		<0.003		0.00013 (J)		<0.003
3/6/2020			<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

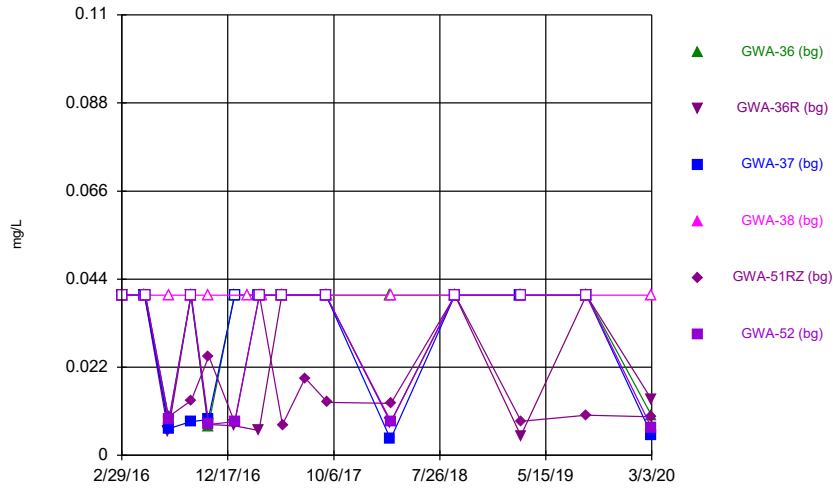
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.003	<0.003
9/18/2014	<0.003	<0.003	<0.003		
10/4/2014				<0.003	<0.003
10/5/2014	<0.003	<0.003	<0.003		
10/22/2014	<0.003	<0.003	<0.003		
10/23/2014				<0.003	<0.003
11/5/2014	<0.003	<0.003	<0.003		
11/10/2014				<0.003	<0.003
3/4/2015	<0.003	<0.003	<0.003	<0.003	<0.003
3/19/2015	<0.003	<0.003			
3/20/2015			<0.003	<0.003	<0.003
4/8/2015	<0.003	<0.003	<0.003	<0.003	
4/9/2015					<0.003
4/23/2015			<0.003	<0.003	<0.003
4/24/2015	<0.003	<0.003			
7/30/2015	<0.003	<0.003	<0.003	<0.003	<0.003
3/4/2016				<0.003	
3/7/2016		<0.003			
3/8/2016	<0.003				<0.003
3/9/2016			<0.003		
5/4/2016					<0.003
5/5/2016		<0.003		<0.003	
5/6/2016			<0.003		
5/9/2016	<0.003				
7/12/2016				<0.003	
7/14/2016		<0.003			
7/15/2016	<0.003		<0.003		
7/18/2016					<0.003
9/9/2016	<0.003				
9/12/2016		<0.003			
9/13/2016				<0.003	<0.003
9/14/2016			<0.003		
10/27/2016	<0.003	<0.003		<0.003	<0.003
11/1/2016			<0.003		
1/12/2017	<0.003				
1/13/2017		<0.003		<0.003	<0.003
1/25/2017			<0.003		
3/16/2017					<0.003
3/20/2017		<0.003		<0.003	
3/21/2017	<0.003				
3/22/2017			<0.003		
5/19/2017				<0.003	<0.003
5/23/2017	<0.003	<0.003			
5/24/2017			<0.003		
9/19/2017	<0.003	<0.003		<0.003	<0.003
9/21/2017			<0.003		
3/13/2018		<0.003		<0.003	<0.003
3/14/2018	<0.003		<0.003		
9/7/2018		<0.003			
9/10/2018	<0.003				
9/11/2018			<0.003	<0.003	<0.003
3/8/2019				<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

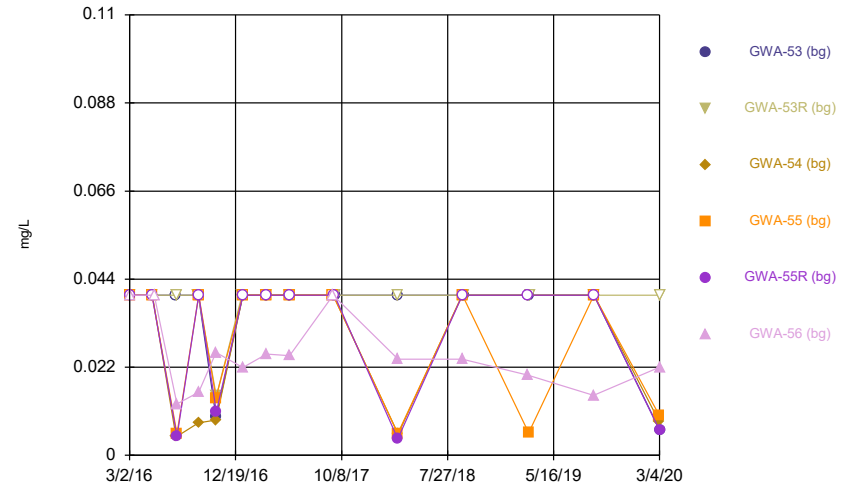
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.003	<0.003			
3/12/2019			<0.003		
9/5/2019		<0.003		<0.003 (D)	<0.003
9/6/2019	<0.003		<0.003		
3/3/2020	<0.003	<0.003		<0.003	<0.003
3/5/2020			<0.003		

Time Series



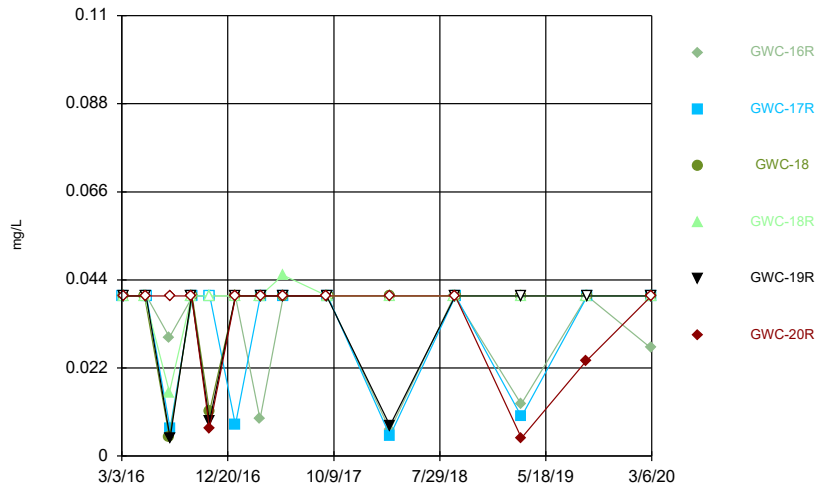
Constituent: Boron Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



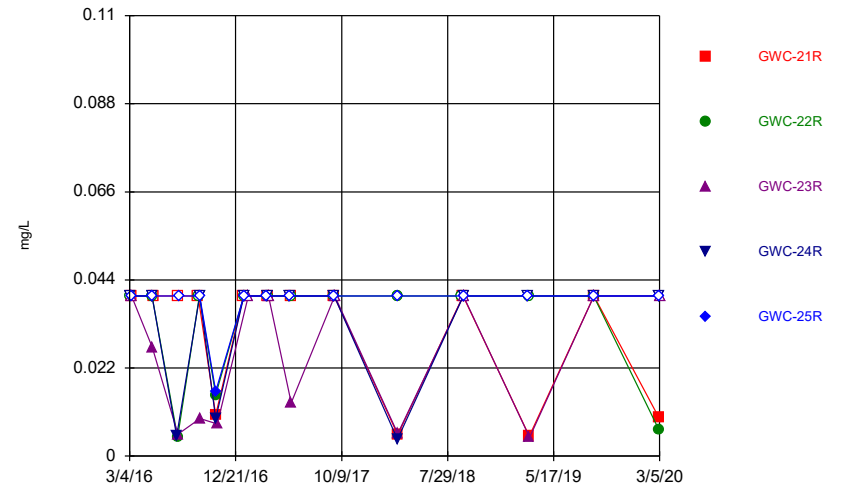
Constituent: Boron Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Boron Analysis Run 4/16/2020 1:12 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Boron Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Boron (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						<0.04
3/1/2016	<0.04	<0.04	<0.04			
3/2/2016				<0.04		
5/2/2016	<0.04	<0.04				
5/3/2016			<0.04	<0.04		
5/4/2016					<0.04 (D)	<0.04
7/6/2016		0.0059 (J)				
7/7/2016	0.0081 (J)			<0.04	0.0096 (JD)	
7/8/2016			0.0067 (J)			0.009 (J)
9/7/2016	<0.04	<0.04	0.0084 (J)			
9/8/2016				<0.04	0.0137 (JD)	<0.04
10/25/2016	0.0071 (J)	0.0077 (J)	0.0089 (J)	<0.04		
10/26/2016					0.0247 (JD)	0.0077 (J)
1/5/2017	<0.04	0.0074 (J)				
1/6/2017			<0.04		0.0082 (JD)	0.0084 (J)
2/9/2017				<0.04		
3/14/2017		0.0062 (J)	<0.04			
3/15/2017	<0.04				<0.04 (D)	<0.04
3/23/2017				<0.04		
5/16/2017		<0.04	<0.04			
5/17/2017	<0.04			<0.04		<0.04
5/18/2017					0.0076 (JD)	
7/19/2017					0.0193 (JD)	
9/15/2017	<0.04	<0.04	<0.04			<0.04
9/19/2017				<0.04	0.0132 (JD)	
3/12/2018	<0.04	0.0082 (J)	0.004 (J)			
3/13/2018				<0.04	0.013 (J)	0.0084 (J)
9/6/2018	<0.04	<0.04	<0.04	<0.04		<0.04
9/7/2018					<0.04	
3/6/2019	<0.04		<0.04			
3/7/2019		0.0049 (J)		<0.04		<0.04
3/8/2019					0.0085 (J)	
9/4/2019	<0.04	<0.04	<0.04	<0.04 (D)	0.01 (J)	<0.04
3/2/2020	0.01 (J)	0.014 (J)	0.0052 (J)	<0.04		0.007 (J)
3/3/2020					0.0096 (J)	

Time Series

Constituent: Boron (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	<0.04	<0.04	<0.04	<0.04		
3/3/2016					<0.04	<0.04
5/3/2016	<0.04	<0.04		<0.04	<0.04	
5/4/2016			<0.04			
5/9/2016						<0.04
7/8/2016	<0.04		0.0046 (J)			
7/11/2016		<0.04		0.0054 (J)	0.0047 (J)	0.0128 (J)
9/7/2016		<0.04				
9/8/2016	<0.04		0.0081 (J)			
9/9/2016				<0.04	<0.04	0.0158 (J)
10/26/2016	0.0095 (J)		0.0088 (J)	0.0144 (J)		0.0257 (J)
10/27/2016		0.0148 (J)			0.0108 (J)	
1/6/2017		<0.04				
1/9/2017	<0.04		<0.04	<0.04	<0.04	0.0219 (J)
3/15/2017			<0.04			0.0253 (J)
3/16/2017	<0.04	<0.04		<0.04	<0.04	
5/18/2017			<0.04	<0.04	<0.04	0.0249 (J)
5/19/2017	<0.04	<0.04				
9/15/2017			<0.04	<0.04		<0.04
9/18/2017					<0.04	
9/19/2017	<0.04	<0.04				
3/12/2018				0.0055 (J)	0.0041 (J)	
3/13/2018	<0.04	<0.04	0.0053 (J)			0.024 (J)
9/6/2018			<0.04			
9/7/2018				<0.04	<0.04	0.024 (J)
9/11/2018	<0.04	<0.04				
3/7/2019			<0.04		<0.04	0.02 (J)
3/8/2019	<0.04			0.0056 (J)		
3/12/2019		<0.04				
9/4/2019						0.015 (J)
9/5/2019	<0.04	<0.04	<0.04	<0.04	<0.04	
3/3/2020			0.0084 (J)	0.01 (J)		
3/4/2020	0.0064 (J)	<0.04			0.0063 (J)	0.022 (J)

Time Series

Constituent: Boron (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

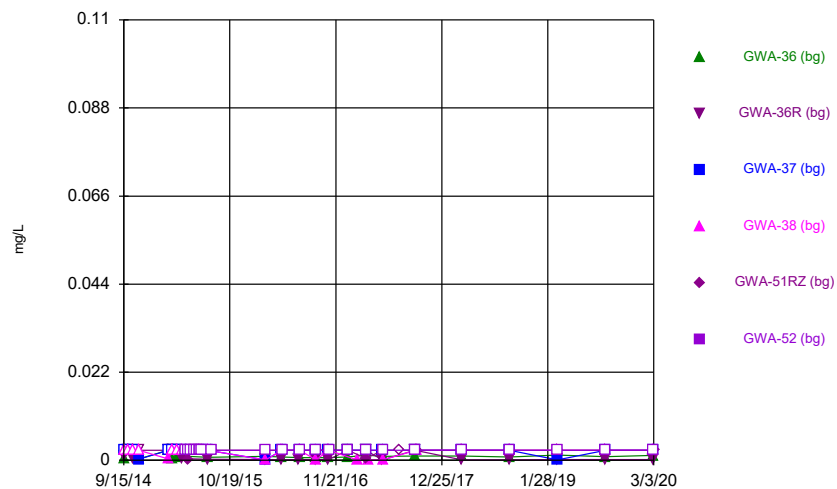
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	<0.04 (D)					
3/4/2016		<0.04				
3/7/2016			<0.04	<0.04	<0.04	
3/8/2016						<0.04
5/5/2016			<0.04	<0.04		
5/9/2016					<0.04	<0.04
5/10/2016	<0.04	<0.04				
7/13/2016	0.0297 (J)		0.0047 (J)	0.0159 (J)		
7/14/2016		0.0069 (J)			0.0045 (J)	<0.04
9/12/2016				<0.04	<0.04	<0.04
9/13/2016			<0.04			
9/14/2016		<0.04				
9/15/2016	<0.04					
10/31/2016			0.0111 (J)		0.0086 (J)	0.007 (J)
11/1/2016		<0.04		<0.04		
11/2/2016	<0.04					
1/11/2017	<0.04	0.0078 (J)		<0.04	<0.04	
1/12/2017			<0.04			<0.04
3/20/2017	0.0092 (J)			<0.04		
3/21/2017		<0.04			<0.04	
3/22/2017						<0.04
3/23/2017			<0.04			
5/22/2017				0.0452	<0.04	<0.04
5/23/2017	<0.04	<0.04	<0.04			
9/19/2017						<0.04
9/20/2017					<0.04	
9/21/2017	<0.04			<0.04		
9/22/2017		<0.04				
9/25/2017			<0.04			
3/14/2018	0.0065 (J)	0.0051 (J)	<0.04	<0.04	0.0076 (J)	<0.04
9/7/2018	<0.04			<0.04		
9/10/2018					<0.04	<0.04
9/11/2018		<0.04	<0.04			
3/11/2019	0.013 (J)					
3/12/2019		0.0099 (J)	<0.04	<0.04	<0.04	0.0045 (J)
9/6/2019				<0.04		0.02365 (D)
9/9/2019	<0.04		<0.04		<0.04	
9/10/2019		<0.04				
3/4/2020	0.027 (J)				<0.04	
3/5/2020		<0.04		<0.04		<0.04
3/6/2020			<0.04			

Time Series

Constituent: Boron (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

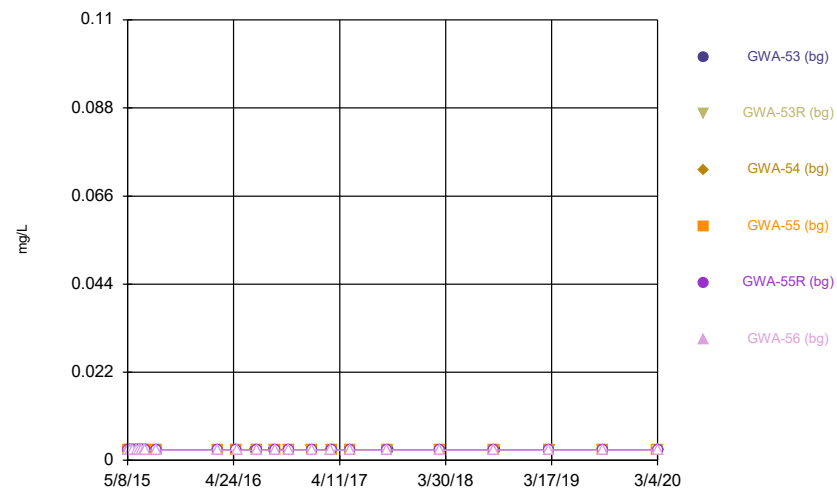
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				<0.04	
3/7/2016		<0.04			
3/8/2016	<0.04				<0.04
3/9/2016			<0.04		
5/4/2016					<0.04
5/5/2016		<0.04		<0.04	
5/6/2016			0.0271 (J)		
5/9/2016	<0.04				
7/12/2016				0.005 (J)	
7/14/2016		0.0047 (J)			
7/15/2016	<0.04		0.0055 (J)		
7/18/2016					<0.04
9/9/2016	<0.04				
9/12/2016		<0.04			
9/13/2016				<0.04	<0.04
9/14/2016			0.0094 (J)		
10/27/2016	0.0103 (J)	0.0153 (J)		0.0093 (J)	0.0162 (J)
11/1/2016			0.008 (J)		
1/12/2017	<0.04				
1/13/2017		<0.04		<0.04	<0.04
1/25/2017			<0.04		
3/16/2017					<0.04
3/20/2017		<0.04		<0.04	
3/21/2017	<0.04				
3/22/2017			<0.04		
5/19/2017				<0.04	<0.04
5/23/2017	<0.04	<0.04			
5/24/2017			0.0133 (J)		
9/19/2017	<0.04	<0.04		<0.04	<0.04
9/21/2017			<0.04		
3/13/2018		<0.04		0.0042 (J)	<0.04
3/14/2018	0.0053 (J)		0.0056 (J)		
9/7/2018		<0.04			
9/10/2018	<0.04				
9/11/2018			<0.04	<0.04	<0.04
3/8/2019				<0.04	<0.04
3/11/2019	0.005 (J)	<0.04			
3/12/2019			0.0047 (J)		
9/5/2019		<0.04		<0.04 (D)	<0.04
9/6/2019	<0.04		<0.04		
3/3/2020	0.0096 (J)	0.0066 (J)		<0.04	<0.04
3/5/2020			<0.04		

Time Series



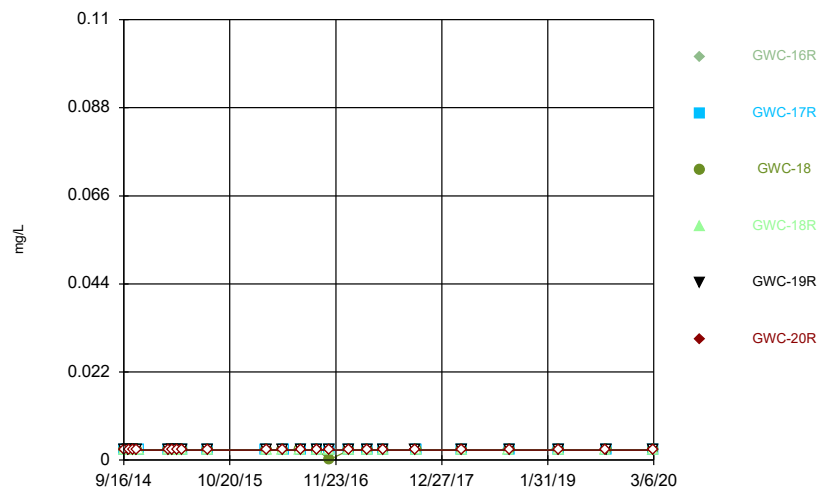
Constituent: Cadmium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



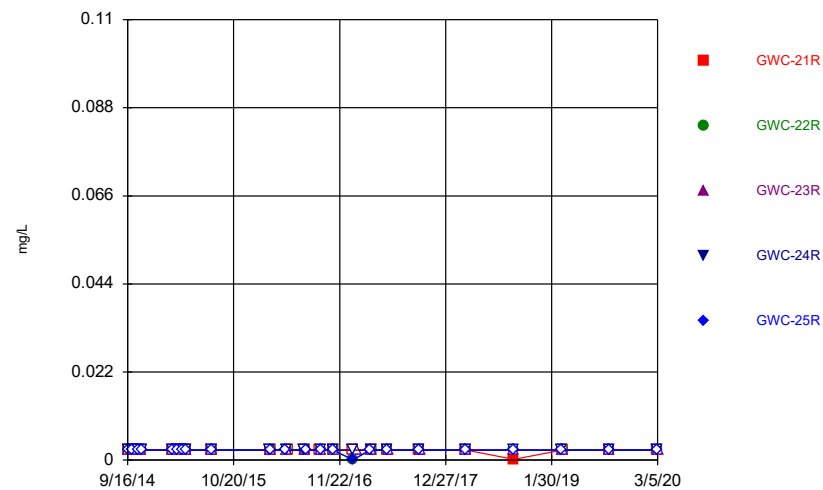
Constituent: Cadmium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Cadmium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Cadmium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00035 (J)	0.001 (J)				
9/16/2014			<0.0025	<0.0025		
10/3/2014	<0.0025	<0.0025	<0.0025	<0.0025		
10/20/2014	<0.0025	0.00036 (J)	<0.0025	<0.0025		
11/10/2014	0.00033 (J)	<0.0025	0.00026 (J)	<0.0025		
3/2/2015	<0.0025	<0.0025	<0.0025	0.00035 (J)		
3/17/2015	0.00057 (J)	<0.0025	<0.0025	<0.0025		
4/5/2015	0.00068 (J)	<0.0025	<0.0025			
4/6/2015				<0.0025		
4/21/2015	0.0011 (J)	0.00044 (J)				
4/22/2015			<0.0025	<0.0025		
5/8/2015					<0.0025	<0.0025
5/17/2015					0.00029 (J)	<0.0025
5/25/2015					<0.0025	<0.0025
6/8/2015					<0.0025	<0.0025
6/18/2015					<0.0025	<0.0025
6/24/2015					<0.0025	<0.0025
6/30/2015					<0.0025	<0.0025
7/6/2015					<0.0025	<0.0025
7/28/2015	0.00073 (J)	0.00027 (J)	<0.0025	<0.0025		
8/12/2015					<0.0025	<0.0025
2/29/2016						<0.0025
3/1/2016	0.00103	0.000207 (J)	0.000103 (J)			
3/2/2016				0.000109 (J)		
5/2/2016	0.000846 (J)	0.000154 (J)				
5/3/2016			<0.0025	<0.0025		
5/4/2016					<0.0025 (D)	<0.0025
7/6/2016		0.0002 (J)				
7/7/2016	0.0007 (J)			<0.0025	<0.0025 (D)	
7/8/2016			<0.0025			<0.0025
9/7/2016	0.0007 (J)	0.0002 (J)	<0.0025			
9/8/2016				0.0001 (J)	<0.0025 (D)	<0.0025
10/25/2016	0.0007 (J)	0.0002 (J)	<0.0025	<0.0025		
10/26/2016					<0.0025 (D)	<0.0025
1/5/2017	0.0008 (J)	<0.0025				
1/6/2017			<0.0025		<0.0025 (D)	<0.0025
2/9/2017				0.0001 (J)		
3/14/2017		<0.0025	<0.0025			
3/15/2017	0.0013				0.00055 (D)	<0.0025
3/23/2017				0.0001 (J)		
5/16/2017		0.0001 (J)	<0.0025			
5/17/2017	0.001			0.0001 (J)		<0.0025
5/18/2017					<0.0025 (D)	
7/19/2017					<0.0025 (D)	
9/15/2017	0.0011	<0.0025	<0.0025			<0.0025
9/19/2017				<0.0025	<0.0025 (D)	
3/12/2018	0.0011	0.00013 (J)	<0.0025			
3/13/2018				<0.0025	<0.0025	<0.0025
9/6/2018	0.00086 (J)	0.00011 (J)	<0.0025	<0.0025		<0.0025
9/7/2018					<0.0025	
3/6/2019	0.0013		9.3E-05 (J)			
3/7/2019		0.00017 (J)		<0.0025		<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0025	
9/4/2019	0.00088 (J)	0.00016 (J)	<0.0025	<0.0025 (D)	<0.0025	<0.0025
3/2/2020	0.0012 (J)	0.00018 (J)	<0.0025	<0.0025		<0.0025
3/3/2020					<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0025				
5/9/2015	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
5/17/2015		<0.0025				
5/18/2015	<0.0025		<0.0025	<0.0025	<0.0025	
5/19/2015						<0.0025
5/25/2015	<0.0025	<0.0025	<0.0025			
5/26/2015				<0.0025	<0.0025	<0.0025
6/8/2015	<0.0025	<0.0025				
6/9/2015			<0.0025	<0.0025	<0.0025	<0.0025
6/17/2015	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
6/18/2015		<0.0025				
6/24/2015	<0.0025	<0.0025				
6/25/2015			<0.0025	<0.0025	<0.0025	<0.0025
6/30/2015	<0.0025	<0.0025				
7/1/2015			<0.0025	<0.0025	<0.0025	<0.0025
7/6/2015	<0.0025	<0.0025				
7/7/2015			<0.0025	<0.0025	<0.0025	<0.0025
8/12/2015	<0.0025	<0.0025	<0.0025			
8/13/2015				<0.0025	<0.0025	<0.0025
3/2/2016	<0.0025	<0.0025	<0.0025	<0.0025		
3/3/2016					<0.0025	<0.0025
5/3/2016	<0.0025	<0.0025		<0.0025	<0.0025	
5/4/2016			<0.0025			
5/9/2016						<0.0025
7/8/2016	<0.0025		<0.0025			
7/11/2016		<0.0025		<0.0025	<0.0025	<0.0025
9/7/2016		<0.0025				
9/8/2016	<0.0025		<0.0025			
9/9/2016				<0.0025	<0.0025	<0.0025
10/26/2016	<0.0025		<0.0025	<0.0025		<0.0025
10/27/2016		<0.0025			<0.0025	
1/6/2017		<0.0025				
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
3/15/2017			<0.0025			<0.0025
3/16/2017	<0.0025	<0.0025		<0.0025	<0.0025	
5/18/2017			<0.0025	<0.0025	<0.0025	<0.0025
5/19/2017	<0.0025	<0.0025				
9/15/2017			<0.0025	<0.0025		<0.0025
9/18/2017					<0.0025	
9/19/2017	<0.0025	<0.0025				
3/12/2018				<0.0025	<0.0025	
3/13/2018	<0.0025	<0.0025	<0.0025			<0.0025
9/6/2018			<0.0025			
9/7/2018				<0.0025	<0.0025	<0.0025
9/11/2018	<0.0025	<0.0025				
3/7/2019			<0.0025		<0.0025	<0.0025
3/8/2019	<0.0025			<0.0025		
3/12/2019		<0.0025				
9/4/2019						<0.0025
9/5/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/3/2020			<0.0025	<0.0025		
3/4/2020	<0.0025	<0.0025			<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.0025					
9/17/2014		<0.0025	<0.0025	<0.0025	<0.0025	
9/18/2014						<0.0025
10/4/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/5/2014						<0.0025
10/21/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/22/2014						<0.0025
11/5/2014			<0.0025		<0.0025	<0.0025
11/11/2014	<0.0025	<0.0025		<0.0025		
3/3/2015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/4/2015						<0.0025
3/18/2015	<0.0025	<0.0025	<0.0025	<0.0025		
3/19/2015					<0.0025	<0.0025
4/6/2015	<0.0025	<0.0025				
4/7/2015			<0.0025	<0.0025	<0.0025	<0.0025
4/23/2015	<0.0025	<0.0025	<0.0025	<0.0025		
4/24/2015					<0.0025	<0.0025
7/29/2015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/30/2015						<0.0025
3/3/2016	<0.0025 (D)					
3/4/2016		<0.0025				
3/7/2016			<0.0025	<0.0025	<0.0025	
3/8/2016						<0.0025
5/5/2016			<0.0025	<0.0025		
5/9/2016					<0.0025	<0.0025
5/10/2016	<0.0025	<0.0025				
7/13/2016	<0.0025		<0.0025	<0.0025		
7/14/2016		<0.0025			<0.0025	<0.0025
9/12/2016				<0.0025	<0.0025	<0.0025
9/13/2016			<0.0025			
9/14/2016		<0.0025				
9/15/2016	<0.0025					
10/31/2016			8E-05 (J)		<0.0025	<0.0025
11/1/2016		<0.0025		<0.0025		
11/2/2016	<0.0025					
1/11/2017	<0.0025	<0.0025		<0.0025	<0.0025	
1/12/2017			<0.0025			<0.0025
3/20/2017	<0.0025			<0.0025		
3/21/2017		<0.0025			<0.0025	
3/22/2017						<0.0025
3/23/2017			<0.0025			
5/22/2017				<0.0025	<0.0025	<0.0025
5/23/2017	<0.0025	<0.0025	<0.0025			
9/19/2017						<0.0025
9/20/2017					<0.0025	
9/21/2017	<0.0025			<0.0025		
9/22/2017		<0.0025				
9/25/2017			<0.0025			
3/14/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/7/2018	<0.0025			<0.0025		
9/10/2018					<0.0025	<0.0025
9/11/2018		<0.0025	<0.0025			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0025					
3/12/2019		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/6/2019				<0.0025		<0.0025 (D)
9/9/2019	<0.0025		<0.0025		<0.0025	
9/10/2019		<0.0025				
3/4/2020	<0.0025				<0.0025	
3/5/2020		<0.0025		<0.0025		<0.0025
3/6/2020			<0.0025			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

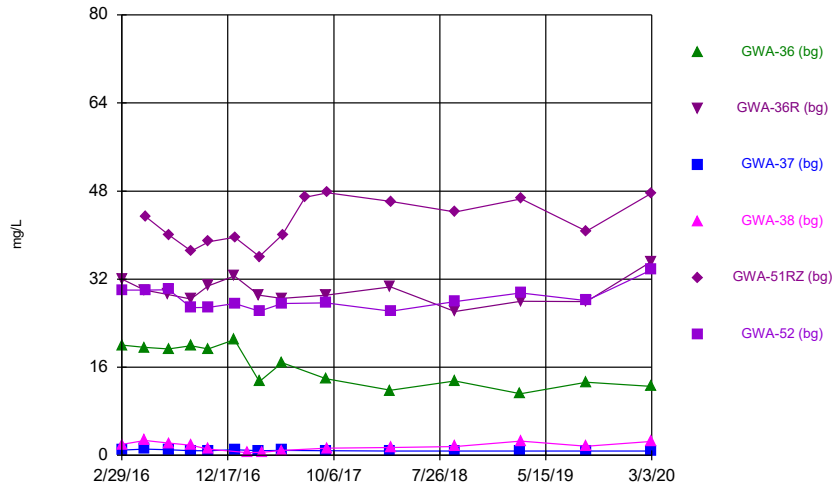
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.0025	<0.0025
9/18/2014	<0.0025	<0.0025	<0.0025		
10/4/2014				<0.0025	<0.0025
10/5/2014	<0.0025	<0.0025	<0.0025		
10/22/2014	<0.0025	<0.0025	<0.0025		
10/23/2014				<0.0025	<0.0025
11/5/2014	<0.0025	<0.0025	<0.0025		
11/10/2014				<0.0025	<0.0025
3/4/2015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2015	<0.0025	<0.0025			
3/20/2015			<0.0025	<0.0025	<0.0025
4/8/2015	<0.0025	<0.0025	<0.0025	<0.0025	
4/9/2015					<0.0025
4/23/2015			<0.0025	<0.0025	<0.0025
4/24/2015	<0.0025	<0.0025			
7/30/2015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/4/2016				<0.0025	
3/7/2016		<0.0025			
3/8/2016	<0.0025				<0.0025
3/9/2016			<0.0025		
5/4/2016					<0.0025
5/5/2016		<0.0025		<0.0025	
5/6/2016			<0.0025		
5/9/2016	<0.0025				
7/12/2016				<0.0025	
7/14/2016		<0.0025			
7/15/2016	<0.0025		<0.0025		
7/18/2016					<0.0025
9/9/2016	<0.0025				
9/12/2016		<0.0025			
9/13/2016				<0.0025	<0.0025
9/14/2016			<0.0025		
10/27/2016	<0.0025	<0.0025		<0.0025	<0.0025
11/1/2016			<0.0025		
1/12/2017	<0.0025				
1/13/2017		8E-05 (J)		<0.0025	0.0001 (J)
1/25/2017			<0.0025		
3/16/2017					<0.0025
3/20/2017		<0.0025		<0.0025	
3/21/2017	<0.0025				
3/22/2017			<0.0025		
5/19/2017				<0.0025	<0.0025
5/23/2017	<0.0025	<0.0025			
5/24/2017			<0.0025		
9/19/2017	<0.0025	<0.0025		<0.0025	<0.0025
9/21/2017			<0.0025		
3/13/2018		<0.0025		<0.0025	<0.0025
3/14/2018	<0.0025		<0.0025		
9/7/2018		<0.0025			
9/10/2018	0.00021 (J)				
9/11/2018			<0.0025	<0.0025	<0.0025
3/8/2019				<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

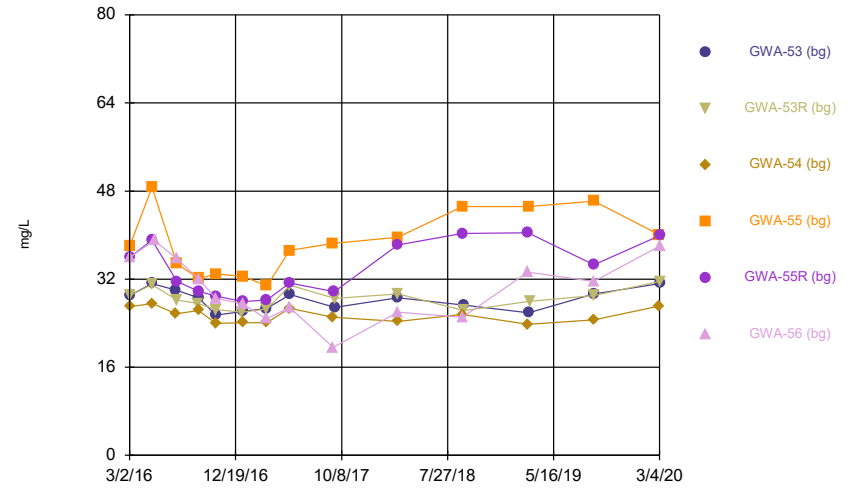
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.0025	<0.0025			
3/12/2019			<0.0025		
9/5/2019		<0.0025		<0.0025 (D)	<0.0025
9/6/2019	<0.0025		<0.0025		
3/3/2020	<0.0025	<0.0025		<0.0025	<0.0025
3/5/2020			<0.0025		

Time Series



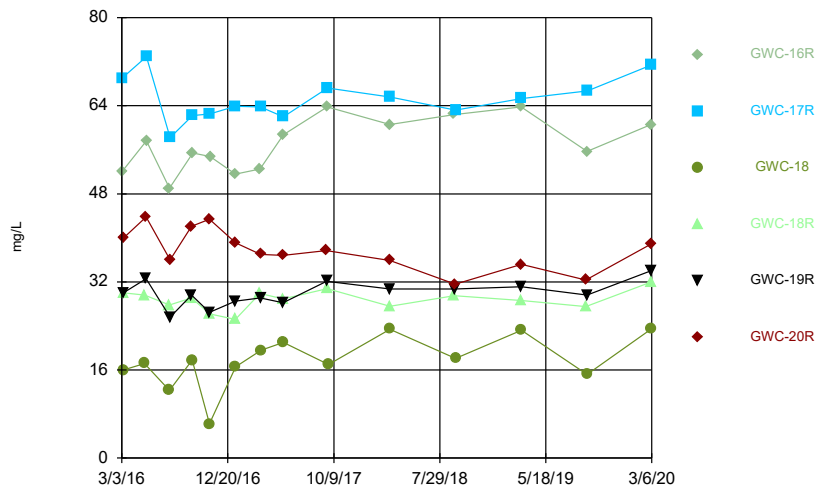
Constituent: Calcium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



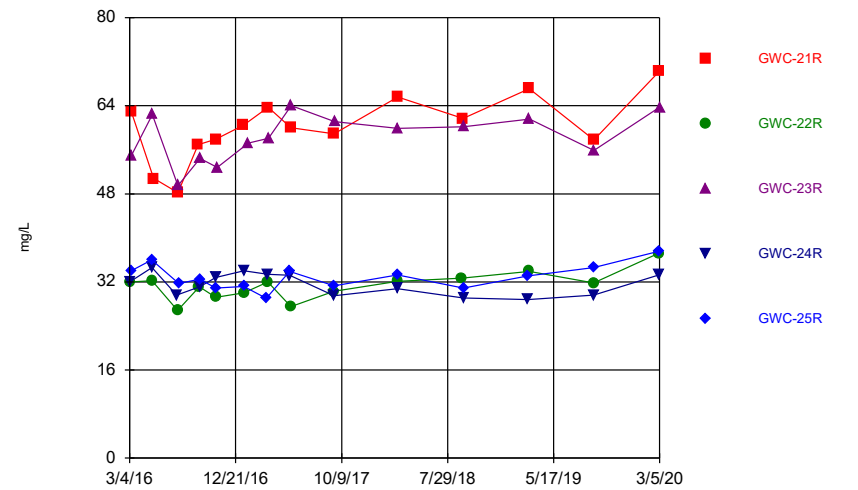
Constituent: Calcium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Calcium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Calcium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						30
3/1/2016	20	32	0.98			
3/2/2016				2		
5/2/2016	19.6	30				
5/3/2016			1.12	2.68		
5/4/2016					43.4 (D)	30
7/6/2016		29.2				
7/7/2016	19.3			2.21	40.1 (D)	
7/8/2016			1			30.1
9/7/2016	19.9	28.4	0.858			
9/8/2016				1.8	37.1 (D)	26.8
10/25/2016	19.3	30.8	0.859	1.15		
10/26/2016					38.8 (D)	26.9
1/5/2017	21	32.6				
1/6/2017			1		39.6 (D)	27.6
2/9/2017				0.495 (J)		
3/14/2017		29.1	0.844			
3/15/2017	13.4				36.1 (D)	26.2
3/23/2017				0.543		
5/16/2017		28.5	0.922			
5/17/2017	16.8			0.889		27.6
5/18/2017					40.1 (D)	
7/19/2017					46.9 (D)	
9/15/2017	13.9	29.1	0.85			27.7
9/19/2017				1.28	47.7 (D)	
3/12/2018	11.8 (J)	30.6	0.81			
3/13/2018				1.4	46.1 (D)	26.2
9/6/2018	13.5 (J)	26.1	0.79	1.6		27.9
9/7/2018					44.2	
3/6/2019	11.2 (J)		0.78			
3/7/2019		28		2.6		29.5
3/8/2019					46.6	
9/4/2019	13.3	27.9	0.76	1.65 (D)	40.7	28.1
3/2/2020	12.5	35.2	0.77 (J)	2.5		33.7
3/3/2020					47.6	

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	29	29	27	38		
3/3/2016					36	36
5/3/2016	31.2	31		48.7	39.1	
5/4/2016			27.6			
5/9/2016						39
7/8/2016	30		25.7			
7/11/2016		28.2		34.8	31.6	35.7
9/7/2016		27.6				
9/8/2016	28.6		26.3			
9/9/2016				32.1	29.8	32
10/26/2016	25.5		24	32.9		28.5
10/27/2016		26.5			28.9	
1/6/2017		26				
1/9/2017	26.1		24.1	32.5	27.9	27.5
3/15/2017			24.1			24.8
3/16/2017	26.7	26.6		30.8	28.2	
5/18/2017			26.7	37.2	31.3	26.9
5/19/2017	29.2	30.9				
9/15/2017			25.1	38.5		19.6
9/18/2017					29.7	
9/19/2017	26.9	28.5				
3/12/2018				39.6	38.2	
3/13/2018	28.6	29.3	24.3 (J)			26
9/6/2018			25.6			
9/7/2018				45.2	40.3	25.1
9/11/2018	27.3	26.3				
3/7/2019			23.8 (J)		40.4	33.3
3/8/2019	25.9			45.2		
3/12/2019		28				
9/4/2019						31.6
9/5/2019	29.3	29	24.6	46.2	34.6	
3/3/2020			27.1	40.1		
3/4/2020	31.2	31.6			39.9	38

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

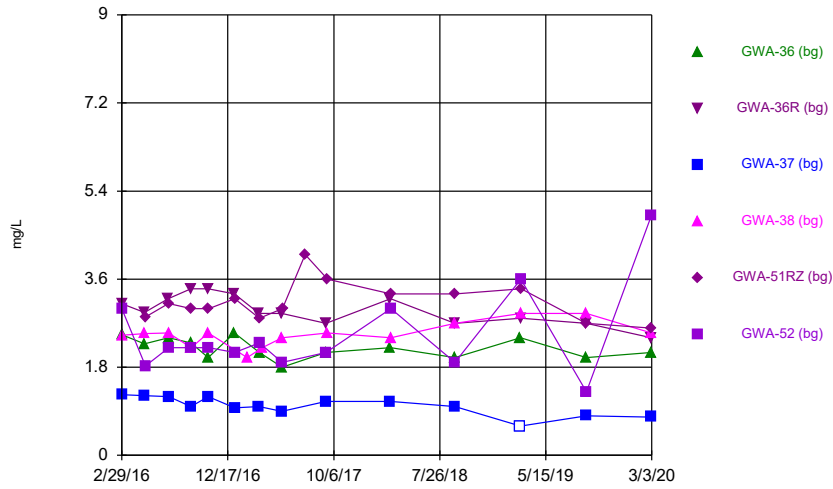
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	52 (D)					
3/4/2016		69				
3/7/2016			16	30	30	
3/8/2016						40
5/5/2016			17.2	29.6		
5/9/2016					32.6	43.8
5/10/2016	57.6	72.9				
7/13/2016	49		12.3	27.8		
7/14/2016		58.2			25.6	36
9/12/2016				29.1	29.6	42.1
9/13/2016			17.8			
9/14/2016		62.2				
9/15/2016	55.4					
10/31/2016			6.22		26.5	43.4
11/1/2016		62.5		26.2		
11/2/2016	54.8					
1/11/2017	51.6	63.9		25.2	28.5	
1/12/2017			16.6			39.1
3/20/2017	52.5			29.9		
3/21/2017		63.8			29.1	
3/22/2017						37
3/23/2017			19.6			
5/22/2017				28.9	28.2	36.8
5/23/2017	58.7	62	21			
9/19/2017						37.7
9/20/2017					32.1	
9/21/2017	63.8			30.8		
9/22/2017		67.2				
9/25/2017			17			
3/14/2018	60.6	65.6	23.4 (J)	27.6	30.7	35.9
9/7/2018	62.4			29.5		
9/10/2018					30.7	31.6
9/11/2018		63.2	18.1 (J)			
3/11/2019	63.8					
3/12/2019		65.3	23.2 (J)	28.6	31.1	35.2
9/6/2019				27.5		32.35 (D)
9/9/2019	55.7		15.2		29.6	
9/10/2019		66.7				
3/4/2020	60.6				34	
3/5/2020		71.4		32		38.9
3/6/2020			23.5			

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

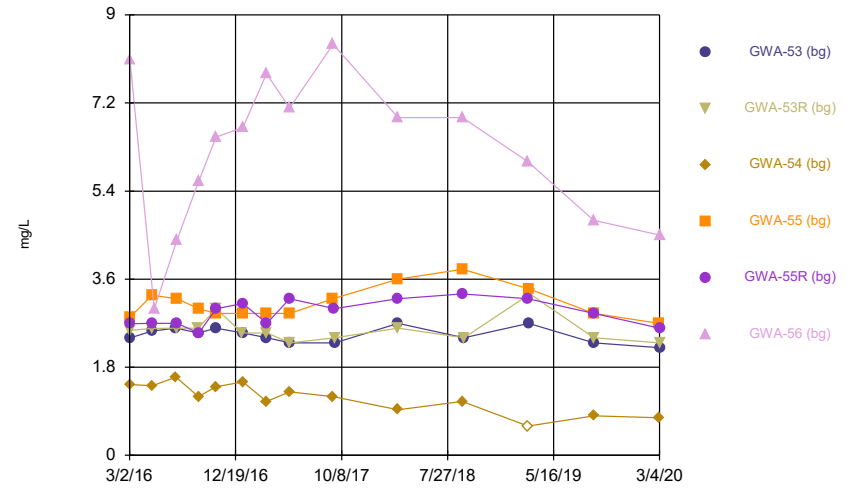
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				32	
3/7/2016		32			
3/8/2016	63				34
3/9/2016			55		
5/4/2016					36
5/5/2016		32.2		34.6	
5/6/2016			62.4		
5/9/2016	50.8				
7/12/2016				29.6	
7/14/2016		26.8			
7/15/2016	48.2		49.5		
7/18/2016					31.7
9/9/2016	56.9				
9/12/2016		31.1			
9/13/2016				31.1	32.5
9/14/2016			54.4		
10/27/2016	57.9	29.2		32.8	30.9
11/1/2016			52.8		
1/12/2017	60.5				
1/13/2017		30		34	31.2
1/25/2017			57.2		
3/16/2017					29
3/20/2017		32		33.4	
3/21/2017	63.7				
3/22/2017			58.1		
5/19/2017				33.2	33.9
5/23/2017	60	27.5			
5/24/2017			64		
9/19/2017	58.9	30.3		29.5	31.3
9/21/2017			61.1		
3/13/2018		32.1		30.8	33.3
3/14/2018	65.6		59.9		
9/7/2018		32.7			
9/10/2018	61.7				
9/11/2018			60.2	29.1	30.9
3/8/2019				28.8	33.1
3/11/2019	67.1	33.9			
3/12/2019			61.6		
9/5/2019		31.8		29.6 (D)	34.6
9/6/2019	57.8		55.9		
3/3/2020	70.2	37.2		33.3	37.6
3/5/2020			63.7		

Time Series



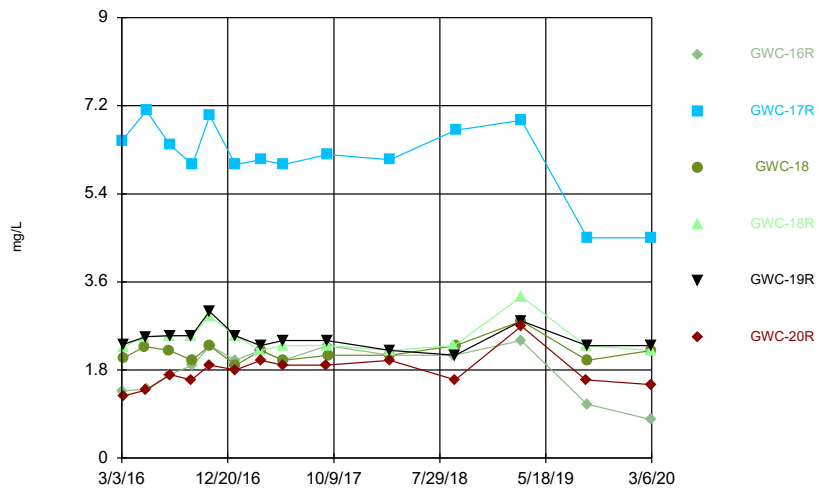
Constituent: Chloride Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



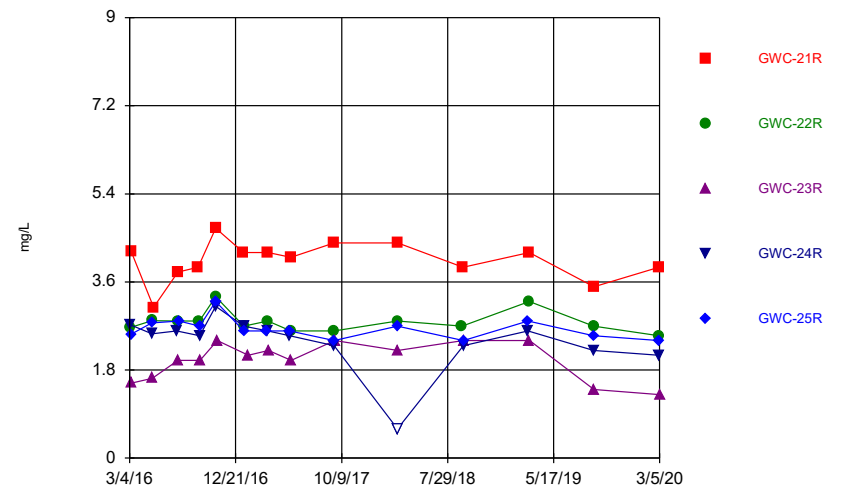
Constituent: Chloride Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Chloride Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Chloride Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						2.9988
3/1/2016	2.4587	3.096	1.2389			
3/2/2016				2.4559		
5/2/2016	2.28	2.92				
5/3/2016			1.22	2.49		
5/4/2016					2.83 (D)	1.83
7/6/2016		3.2				
7/7/2016	2.4			2.5	3.1 (D)	
7/8/2016			1.2			2.2
9/7/2016	2.3	3.4	1			
9/8/2016				2.2	3 (D)	2.2
10/25/2016	2	3.4	1.2	2.5		
10/26/2016					3 (D)	2.2
1/5/2017	2.5 (J)	3.3				
1/6/2017			0.97		3.2 (D)	2.1
2/9/2017				2		
3/14/2017		2.9	1			
3/15/2017	2.1				2.8 (D)	2.3
3/23/2017				2.2		
5/16/2017		2.9	0.9			
5/17/2017	1.8			2.4		1.9
5/18/2017					3 (D)	
7/19/2017					4.1 (D)	
9/15/2017	2.1	2.7	1.1			2.1
9/19/2017				2.5	3.6 (D)	
3/12/2018	2.2	3.2	1.1			
3/13/2018				2.4	3.3	3
9/6/2018	2	2.7	1	2.7		1.9
9/7/2018					3.3	
3/6/2019	2.4		<1.2			
3/7/2019		2.8		2.9		3.6
3/8/2019					3.4	
9/4/2019	2	2.7	0.81 (J)	2.9	2.7	1.3
3/2/2020	2.1	2.4	0.78 (J)	2.5		4.9
3/3/2020					2.6	

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	2.3976	2.556	1.4496	2.815		
3/3/2016					2.6912	8.0925
5/3/2016	2.54	2.59		3.27	2.7	
5/4/2016			1.42			
5/9/2016						2.99
7/8/2016	2.6		1.6			
7/11/2016		2.6		3.2	2.7	4.4
9/7/2016		2.6				
9/8/2016	2.5		1.2			
9/9/2016				3	2.5	5.6
10/26/2016	2.6		1.4	2.9		6.5
10/27/2016		3			3	
1/6/2017		2.5				
1/9/2017	2.5		1.5	2.9	3.1	6.7
3/15/2017			1.1			7.8
3/16/2017	2.4	2.5		2.9	2.7	
5/18/2017			1.3	2.9	3.2	7.1
5/19/2017	2.3	2.3				
9/15/2017			1.2	3.2		8.4
9/18/2017					3	
9/19/2017	2.3	2.4				
3/12/2018				3.6	3.2	
3/13/2018	2.7	2.6	0.93			6.9
9/6/2018			1.1			
9/7/2018				3.8	3.3	6.9
9/11/2018	2.4	2.4				
3/7/2019			<1.2		3.2	6
3/8/2019	2.7			3.4		
3/12/2019		3.3				
9/4/2019						4.8
9/5/2019	2.3	2.4	0.81 (J)	2.9	2.9	
3/3/2020			0.77 (J)	2.7		
3/4/2020	2.2	2.3			2.6	4.5

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

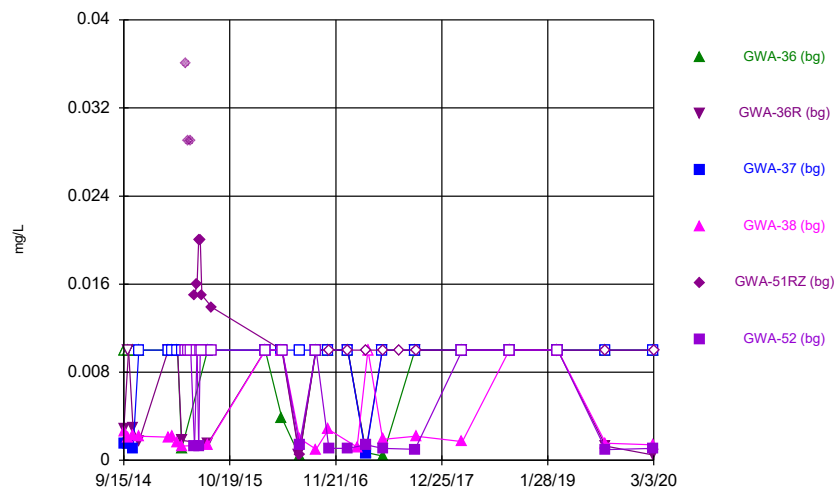
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	1.3707 (D)					
3/4/2016		6.4905				
3/7/2016			2.0446	2.2698	2.3254	
3/8/2016						1.2699
5/5/2016			2.28	2.48		
5/9/2016					2.48	1.39
5/10/2016	1.41	7.1				
7/13/2016	1.7		2.2	2.5		
7/14/2016		6.4			2.5	1.7
9/12/2016				2.5	2.5	1.6
9/13/2016			2			
9/14/2016		6				
9/15/2016	1.9					
10/31/2016			2.3		3	1.9
11/1/2016		7		2.9		
11/2/2016	2.3					
1/11/2017	2	6		2.5	2.5	
1/12/2017			1.9			1.8
3/20/2017	2.2			2.2		
3/21/2017		6.1			2.3	
3/22/2017						2
3/23/2017			2.2			
5/22/2017				2.3	2.4	1.9
5/23/2017	2	6	2			
9/19/2017						1.9
9/20/2017					2.4	
9/21/2017	2.3			2.3		
9/22/2017		6.2				
9/25/2017			2.1			
3/14/2018	2.1	6.1	2.1	2.2	2.2	2
9/7/2018	2.1			2.3		
9/10/2018					2.1	1.6
9/11/2018		6.7	2.3			
3/11/2019	2.4					
3/12/2019		6.9	2.8	3.3	2.8	2.7
9/6/2019				2.3		1.6 (D)
9/9/2019	1.1		2		2.3	
9/10/2019		4.5				
3/4/2020	0.79 (J)				2.3	
3/5/2020		4.5		2.2		1.5
3/6/2020			2.2			

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

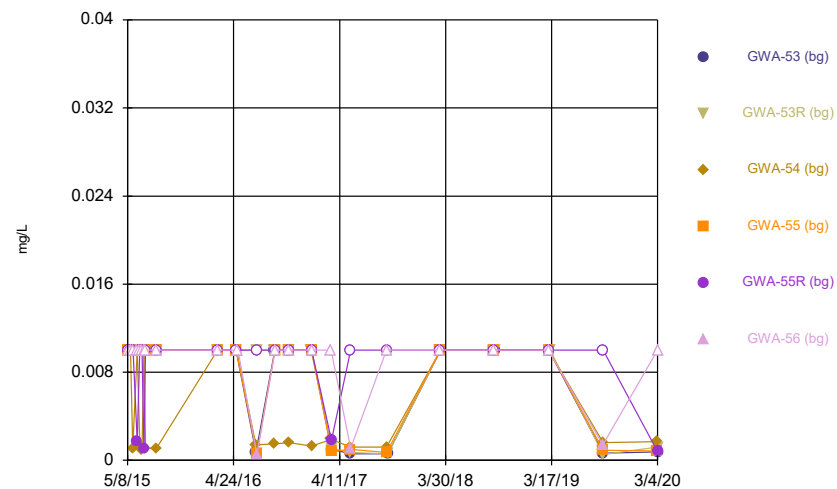
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				2.7291	
3/7/2016		2.6729			
3/8/2016	4.2184				2.5307
3/9/2016			1.5349		
5/4/2016					2.76
5/5/2016		2.81		2.54	
5/6/2016			1.63		
5/9/2016	3.08				
7/12/2016				2.6	
7/14/2016		2.8			
7/15/2016	3.8		2		
7/18/2016					2.8
9/9/2016	3.9				
9/12/2016		2.8			
9/13/2016				2.5	2.7
9/14/2016			2		
10/27/2016	4.7	3.3		3.1	3.2
11/1/2016			2.4		
1/12/2017	4.2				
1/13/2017		2.7		2.7	2.6
1/25/2017			2.1		
3/16/2017					2.6
3/20/2017		2.8		2.6	
3/21/2017	4.2				
3/22/2017			2.2		
5/19/2017				2.5	2.6
5/23/2017	4.1	2.6			
5/24/2017			2		
9/19/2017	4.4	2.6		2.3	2.4
9/21/2017			2.4		
3/13/2018		2.8		<1.2	2.7
3/14/2018	4.4		2.2		
9/7/2018		2.7			
9/10/2018	3.9				
9/11/2018			2.4	2.3	2.4
3/8/2019				2.6	2.8
3/11/2019	4.2	3.2			
3/12/2019			2.4		
9/5/2019		2.7		2.2	2.5
9/6/2019	3.5		1.4		
3/3/2020	3.9	2.5		2.1	2.4
3/5/2020			1.3		

Time Series



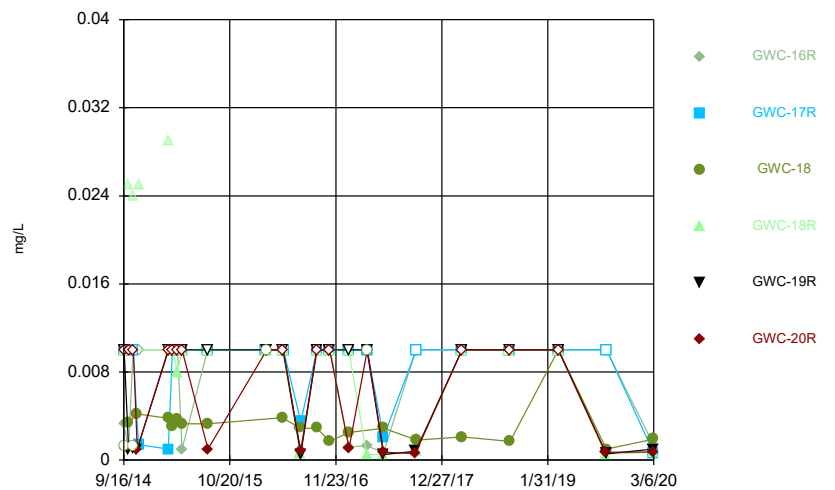
Constituent: Chromium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



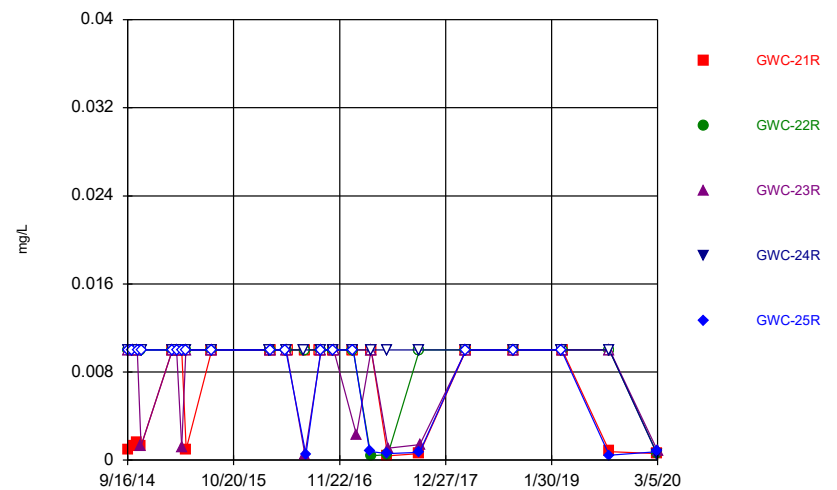
Constituent: Chromium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Chromium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Chromium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.0028				
9/16/2014			0.0015	0.0026		
10/3/2014	<0.01	<0.01	0.0015	0.0021		
10/20/2014	<0.01	0.0029	0.0011 (J)	0.0023		
11/10/2014	<0.01	0.0017	<0.01	0.0022		
3/2/2015	<0.01	<0.01	<0.01	0.0021		
3/17/2015	<0.01	<0.01	<0.01	0.0022		
4/5/2015	<0.01	<0.01	<0.01			
4/6/2015				0.0016		
4/21/2015	0.0011 (J)	0.0018				
4/22/2015			<0.01	0.0013		
5/8/2015					0.036 (o)	<0.01
5/17/2015					0.029 (o)	<0.01
5/25/2015					0.029 (o)	<0.01
6/8/2015					0.015	0.0013
6/18/2015					0.016	<0.01
6/24/2015					0.02	0.0013
6/30/2015					0.02	<0.01
7/6/2015					0.015	<0.01
7/28/2015	<0.01	0.0015	<0.01	0.0014		
8/12/2015					0.0139	<0.01
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
5/2/2016	0.00385 (J)	<0.01				
5/3/2016			<0.01	<0.01		
5/4/2016					<0.01 (D)	<0.01
7/6/2016		0.0005 (J)				
7/7/2016	0.0004 (J)			0.002 (J)	0.0005 (JD)	
7/8/2016			<0.01			0.0014 (J)
9/7/2016	<0.01	<0.01	<0.01			
9/8/2016				0.001 (J)	<0.01 (D)	<0.01
10/25/2016	<0.01	<0.01	<0.01	0.0028 (J)		
10/26/2016					<0.01 (D)	0.0011 (J)
1/5/2017	<0.01	<0.01				
1/6/2017			<0.01		<0.01 (D)	0.0011 (J)
2/9/2017				0.0012 (J)		
3/14/2017		0.0008 (J)	0.0006 (J)			
3/15/2017	0.0007 (J)				<0.01 (D)	0.0014 (J)
3/23/2017				<0.01		
5/16/2017		<0.01	<0.01			
5/17/2017	0.0004 (J)			0.0019 (J)		0.0011 (J)
5/18/2017					<0.01 (D)	
7/19/2017					<0.01 (D)	
9/15/2017	<0.01	<0.01	<0.01			0.001 (J)
9/19/2017				0.0022 (J)	<0.01 (D)	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				0.0017 (J)	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.01	
9/4/2019	<0.01	0.0013 (J)	<0.01	0.00155 (JD)	<0.01	0.00096 (J)
3/2/2020	<0.01	0.00047 (J)	<0.01	0.0014 (J)		0.0011 (J)
3/3/2020					<0.01	

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		<0.01	<0.01	<0.01	
5/19/2015						<0.01
5/25/2015	<0.01	<0.01	0.0011 (J)			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	0.0017	<0.01
6/17/2015	<0.01		0.0014	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			0.001 (J)	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0011 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			0.0011 (J)	<0.01	<0.01	<0.01
8/12/2015	<0.01	<0.01	0.0011 (J)			
8/13/2015				<0.01	<0.01	<0.01
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
5/3/2016	<0.01	<0.01		<0.01	<0.01	
5/4/2016			<0.01			
5/9/2016						<0.01
7/8/2016	0.0007 (J)		0.0014 (J)			
7/11/2016		<0.01		0.0006 (J)	<0.01	0.0005 (J)
9/7/2016		<0.01				
9/8/2016	<0.01		0.0015 (J)			
9/9/2016				<0.01	<0.01	<0.01
10/26/2016	<0.01		0.0016 (J)	<0.01		<0.01
10/27/2016		<0.01			<0.01	
1/6/2017		<0.01				
1/9/2017	<0.01		0.0013 (J)	<0.01	<0.01	<0.01
3/15/2017			0.0019 (J)			<0.01
3/16/2017	0.001 (J)	0.0011 (J)		0.0008 (J)	0.0018 (J)	
5/18/2017			0.0012 (J)	0.001 (J)	<0.01	0.0011 (J)
5/19/2017	0.0006 (J)	0.0007 (J)				
9/15/2017			0.0012 (J)	0.0007 (J)		<0.01
9/18/2017					<0.01	
9/19/2017	0.0006 (J)	0.0006 (J)				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						0.0014 (J)
9/5/2019	0.00065 (J)	0.00055 (J)	0.0016 (J)	0.00092 (J)	<0.01	
3/3/2020			0.0017 (J)	0.00085 (J)		
3/4/2020	0.00076 (J)	0.0012 (J)			0.00079 (J)	<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0033					
9/17/2014		<0.01	<0.0013 (o)	<0.01	<0.01	
9/18/2014						<0.01
10/4/2014	0.0011 (J)	<0.01	0.0034	0.025 (o)	0.001 (J)	
10/5/2014						<0.01
10/21/2014	<0.01	<0.01	<0.0013 (o)	0.024 (o)	0.0011 (J)	
10/22/2014						<0.01
11/5/2014			0.0042		0.001 (J)	0.001 (J)
11/11/2014	<0.01	0.0014		0.025 (o)		
3/3/2015	<0.01	0.001 (J)	0.0038	0.029 (o)	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	0.0031	<0.01		
3/19/2015					<0.01	<0.01
4/6/2015	<0.01	<0.01				
4/7/2015			0.0037	0.008	<0.01	<0.01
4/23/2015	0.001 (J)	<0.01	0.0033	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	0.0033	<0.01	<0.01	
7/30/2015						0.001 (J)
3/3/2016	<0.01 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01 (o)	<0.01	<0.01	
3/8/2016						<0.01
5/5/2016			0.00385 (J)	<0.01		
5/9/2016					<0.01	<0.01
5/10/2016	<0.01	<0.01				
7/13/2016	0.0008 (J)		0.0029 (J)	0.0006 (J)		
7/14/2016		0.0035 (J)			0.0005 (J)	0.0008 (J)
9/12/2016				<0.01	<0.01	<0.01
9/13/2016			0.0029 (J)			
9/14/2016		<0.01				
9/15/2016	<0.01					
10/31/2016			0.0017 (J)		<0.01	<0.01
11/1/2016		<0.01		<0.01		
11/2/2016	<0.01					
1/11/2017	0.0012 (J)	<0.01		<0.01	<0.01	
1/12/2017			0.0025 (J)			0.0011 (J)
3/20/2017	0.0013 (J)			0.0005		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01 (o)			
5/22/2017				0.0005	0.0005 (J)	0.0007 (J)
5/23/2017	0.0007 (J)	0.0021 (J)	0.0029 (J)			
9/19/2017						0.0006 (J)
9/20/2017					0.0008 (J)	
9/21/2017	<0.01			0.0008		
9/22/2017		<0.01				
9/25/2017			0.0018 (J)			
3/14/2018	<0.01	<0.01	0.0021 (J)	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	0.0017 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				0.00053 (J)		0.00071 (JD)
9/9/2019	<0.01		0.001 (J)		0.00056 (J)	
9/10/2019		<0.01				
3/4/2020	0.0014 (J)				0.001 (J)	
3/5/2020		0.00063 (J)		0.0007 (J)		0.00075 (J)
3/6/2020			0.0019 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

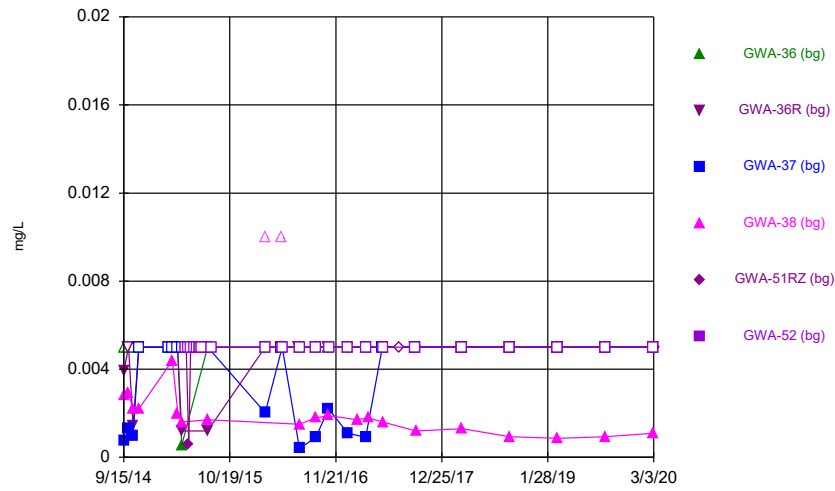
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.01	<0.01
9/18/2014	0.001 (J)	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	0.0013	<0.01	<0.01		
10/22/2014	0.0016	<0.01	<0.01		
10/23/2014				<0.01	<0.01
11/5/2014	0.0013	<0.01	0.0013		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	<0.01	<0.01	0.0012 (J)	<0.01	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	0.001 (J)	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	<0.01				<0.01
3/9/2016			<0.01		
5/4/2016					<0.01
5/5/2016		<0.01		<0.01	
5/6/2016			<0.01		
5/9/2016	<0.01				
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	<0.01		0.0005 (J)		
7/18/2016					0.0005 (J)
9/9/2016	<0.01				
9/12/2016		<0.01			
9/13/2016				<0.01	<0.01
9/14/2016			<0.01		
10/27/2016	<0.01	<0.01		<0.01	<0.01
11/1/2016			<0.01		
1/12/2017	<0.01				
1/13/2017		<0.01		<0.01	<0.01
1/25/2017			0.0023 (J)		
3/16/2017					0.0008 (J)
3/20/2017		0.0004 (J)		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
5/19/2017				<0.01	0.0006 (J)
5/23/2017	0.0004 (J)	0.0005 (J)			
5/24/2017			0.0011 (J)		
9/19/2017	0.0006 (J)	<0.01		<0.01	0.0007 (J)
9/21/2017			0.0014 (J)		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	<0.01		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

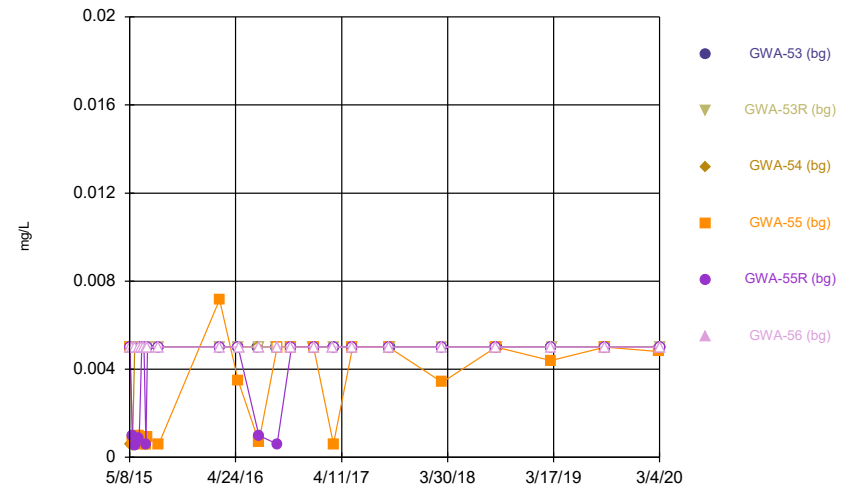
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		<0.01		<0.01 (D)	0.00044 (J)
9/6/2019	0.00078 (J)		<0.01		
3/3/2020	0.00058 (J)	0.00057 (J)		0.00052 (J)	0.00078 (J)
3/5/2020			0.00086 (J)		

Time Series



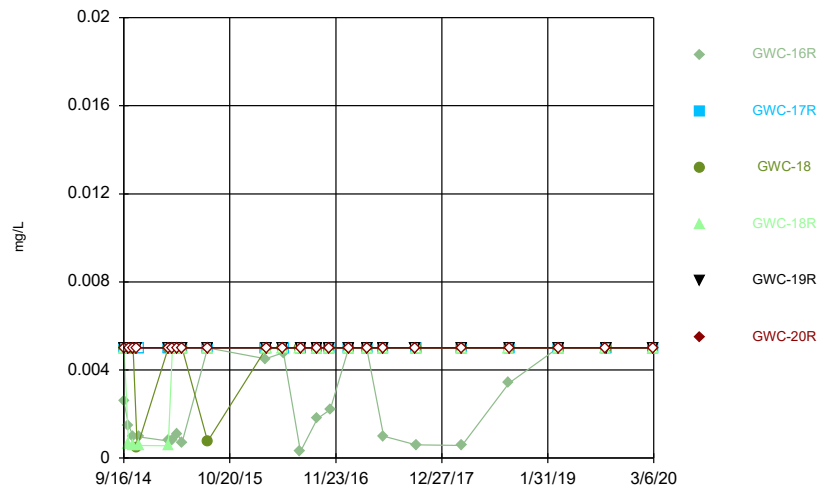
Constituent: Cobalt Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



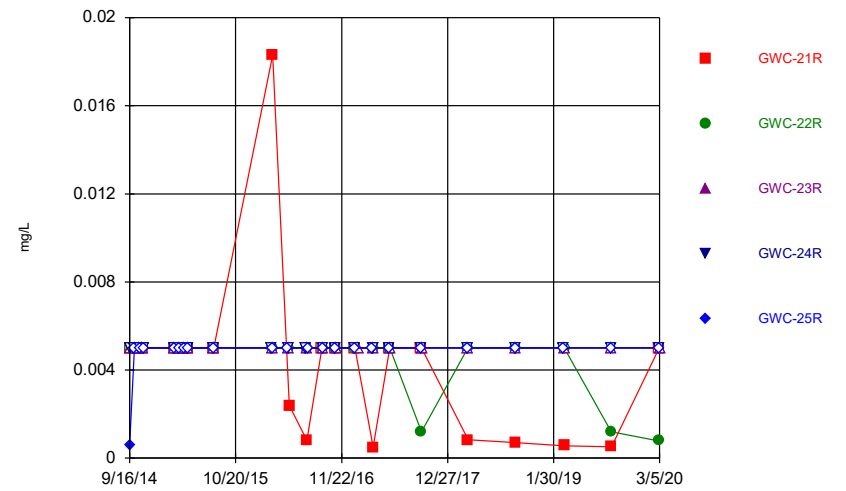
Constituent: Cobalt Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Cobalt Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Cobalt Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0039				
9/16/2014			0.00077 (J)	0.0028		
10/3/2014	<0.005	<0.005	0.0013	0.0029		
10/20/2014	<0.005	0.0014	0.001 (J)	0.0022		
11/10/2014	<0.005	<0.005	<0.005	0.0022		
3/2/2015	<0.005	<0.005	<0.005			
3/17/2015	<0.005	<0.005	<0.005	0.0044		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				0.002		
4/21/2015	0.00055 (J)	0.0012 (J)				
4/22/2015			<0.005	0.0016		
5/8/2015					<0.005	<0.005
5/17/2015					0.00059 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	0.0012 (J)	<0.005	0.0017		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.00202 (J)			
3/2/2016				<0.01 (o)		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.01 (o)		
5/4/2016					<0.005 (D)	<0.005
7/6/2016		<0.005				
7/7/2016	<0.005			0.0015 (J)	<0.005 (D)	
7/8/2016			0.0004 (J)			<0.005
9/7/2016	<0.005	<0.005	0.0009 (J)			
9/8/2016				0.0018 (J)	<0.005 (D)	<0.005
10/25/2016	<0.005	<0.005	0.0022 (J)	0.0019 (J)		
10/26/2016					<0.005 (D)	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			0.0011 (J)		<0.005 (D)	<0.005
2/9/2017				0.0017 (J)		
3/14/2017		<0.005	0.0009 (J)			
3/15/2017	<0.005				<0.005 (D)	<0.005
3/23/2017				0.0018 (J)		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			0.0016 (J)		<0.005
5/18/2017					<0.005 (D)	
7/19/2017					<0.005 (D)	
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				0.0012 (J)	<0.005 (D)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.0013 (J)	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	0.00094 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		0.00087 (J)		<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	0.000935 (JD)	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	0.0011 (J)		<0.005
3/3/2020					<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		0.00057 (J)	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		0.00055 (J)	0.00071 (J)	0.001 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				0.00067 (J)	0.00052 (J)	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	0.001 (J)	0.00087 (J)	<0.005
6/17/2015	<0.005		<0.005	0.00093 (J)	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	0.00059 (J)	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	0.00059 (J)	0.0006 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	0.00091 (J)	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				0.0006 (J)	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	0.00715 (J)		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		0.00349 (J)	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		0.0007 (J)	0.001 (J)	<0.005
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.005	0.0006 (J)	<0.005
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		0.0006 (J)	<0.005	
5/18/2017			<0.005	<0.005	<0.005	<0.005
5/19/2017	<0.005	<0.005				
9/15/2017			<0.005	<0.005		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				0.0034 (J)	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			0.0044 (J)		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			<0.005	0.0048 (J)		
3/4/2020	<0.005	<0.005			<0.005	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0026					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0015	<0.005	<0.005	0.00063 (J)	<0.005	
10/5/2014						<0.005
10/21/2014	0.00099 (J)	<0.005	<0.005	0.00058 (J)	<0.005	
10/22/2014						<0.005
11/5/2014			0.0005 (J)		<0.005	<0.005
11/11/2014	0.00097 (J)	<0.005		0.00058 (J)		
3/3/2015	0.00078 (J)	<0.005	<0.005	0.00056 (J)	<0.005	
3/4/2015						<0.005
3/18/2015	0.00081 (J)	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0011 (J)	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	0.0007 (J)	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	0.00076 (J)	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.00451 (JD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00478 (J)	<0.005				
7/13/2016	0.0003 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0018 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	0.0022 (J)					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	0.001 (J)	<0.005	<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	0.0006 (J)			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	0.00058 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	0.0034 (J)			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005 (D)
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

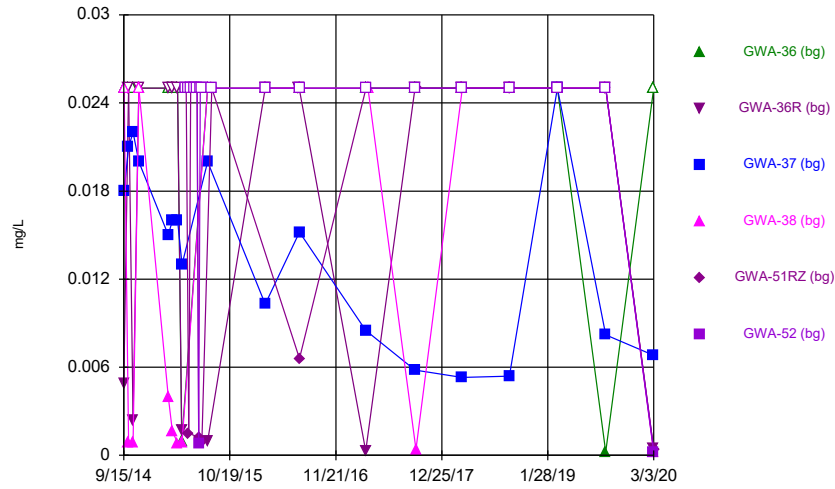
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.005	0.0006 (J)
9/18/2014	<0.005	<0.005	<0.005		
10/4/2014				<0.005	<0.005
10/5/2014	<0.005	<0.005	<0.005		
10/22/2014	<0.005	<0.005	<0.005		
10/23/2014				<0.005	<0.005
11/5/2014	<0.005	<0.005	<0.005		
11/10/2014				<0.005	<0.005
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2015	<0.005	<0.005			
3/20/2015			<0.005	<0.005	<0.005
4/8/2015	<0.005	<0.005	<0.005	<0.005	
4/9/2015					<0.005
4/23/2015			<0.005	<0.005	<0.005
4/24/2015	<0.005	<0.005			
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/4/2016				<0.005	
3/7/2016		<0.005			
3/8/2016	0.0183 (J)				<0.005
3/9/2016			<0.005		
5/4/2016					<0.005
5/5/2016		<0.005		<0.005	
5/6/2016			<0.005		
5/9/2016	0.00239 (J)				
7/12/2016				<0.005	
7/14/2016		<0.005			
7/15/2016	0.0008 (J)		<0.005		
7/18/2016					<0.005
9/9/2016	<0.005				
9/12/2016		<0.005			
9/13/2016				<0.005	<0.005
9/14/2016			<0.005		
10/27/2016	<0.005	<0.005		<0.005	<0.005
11/1/2016			<0.005		
1/12/2017	<0.005				
1/13/2017		<0.005		<0.005	<0.005
1/25/2017			<0.005		
3/16/2017					<0.005
3/20/2017		<0.005		<0.005	
3/21/2017	0.0005 (J)				
3/22/2017			<0.005		
5/19/2017				<0.005	<0.005
5/23/2017	<0.005	<0.005			
5/24/2017			<0.005		
9/19/2017	<0.005	0.0012 (J)		<0.005	<0.005
9/21/2017			<0.005		
3/13/2018		<0.005		<0.005	<0.005
3/14/2018	0.00083 (J)		<0.005		
9/7/2018		<0.005			
9/10/2018	0.00071 (J)				
9/11/2018			<0.005	<0.005	<0.005
3/8/2019				<0.005	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

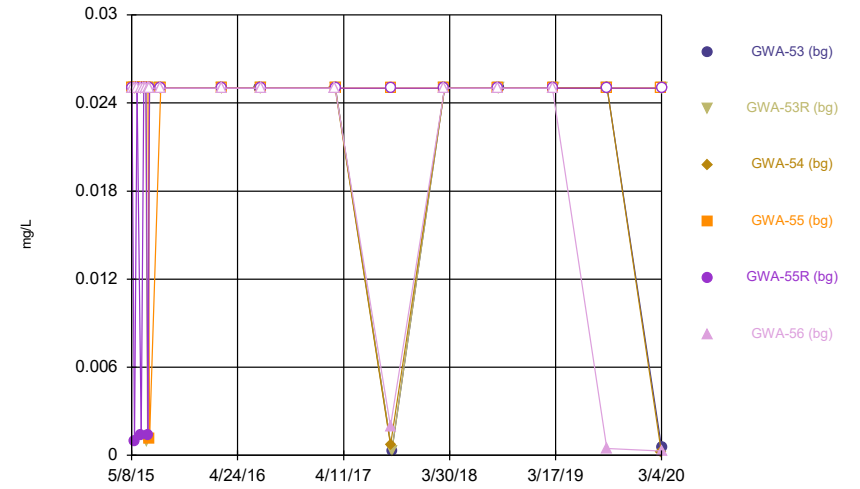
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	0.00056 (J)	<0.005			
3/12/2019			<0.005		
9/5/2019		0.0012 (J)		<0.005 (D)	<0.005
9/6/2019	0.00051 (J)		<0.005		
3/3/2020	<0.005	0.00078 (J)		<0.005	<0.005
3/5/2020			<0.005		

Time Series



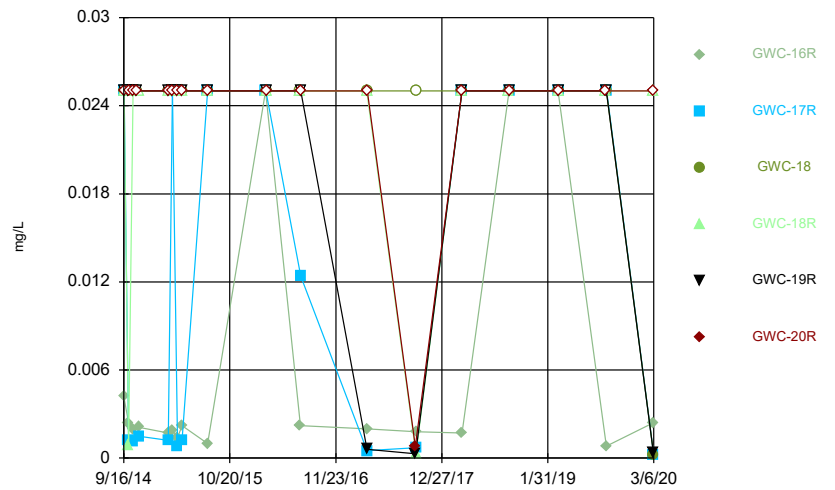
Constituent: Copper Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



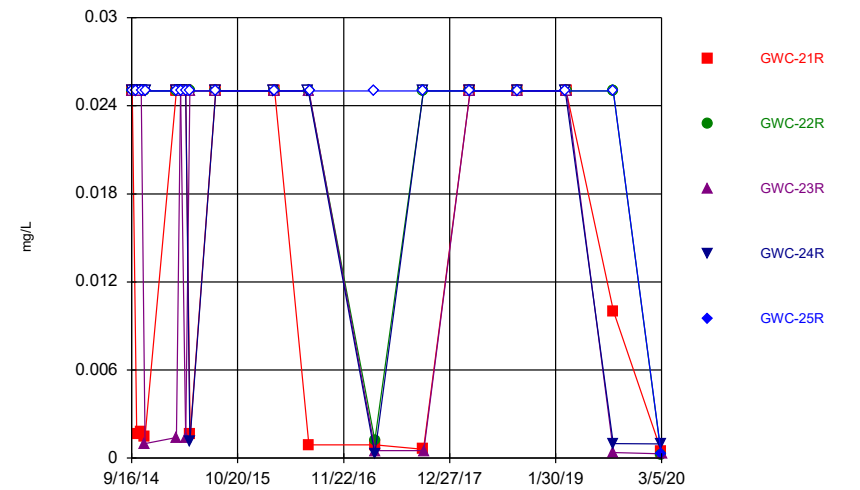
Constituent: Copper Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Copper Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Copper Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Copper (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.025	0.0049 (J)				
9/16/2014			0.018	<0.025		
10/3/2014	<0.025	<0.025	0.021	0.00089 (J)		
10/20/2014	<0.025	0.0024 (J)	0.022	0.00087 (J)		
11/10/2014	<0.025	<0.025	0.02	<0.025		
3/2/2015	<0.025	<0.025	0.015	0.004 (J)		
3/17/2015	<0.025	<0.025	0.016	0.0016 (J)		
4/5/2015	<0.025	<0.025	0.016			
4/6/2015				0.00083 (J)		
4/21/2015	0.00095 (J)	0.0017 (J)				
4/22/2015			0.013	0.00085 (J)		
5/8/2015					<0.025	<0.025
5/17/2015					0.0015 (J)	<0.025
5/25/2015					<0.025	<0.025
6/8/2015					<0.025	<0.025
6/18/2015					<0.025	<0.025
6/24/2015					0.0012 (J)	0.00082 (J)
6/30/2015					0.00096 (J)	<0.025
7/6/2015					0.00091 (J)	<0.025
7/28/2015	<0.025	0.00097 (J)	0.02	<0.025		
8/12/2015					<0.025	<0.025
2/29/2016						<0.025
3/1/2016	<0.025	<0.025	0.0103 (J)			
3/2/2016				<0.025		
7/6/2016		<0.025				
7/7/2016	<0.025			<0.025	0.0066 (JD)	
7/8/2016			0.0152 (J)			<0.025
3/14/2017		0.0003 (J)	0.0085 (J)			
3/15/2017	<0.025				<0.025 (D)	<0.025
3/23/2017				<0.025		
9/15/2017	<0.025	<0.025	0.0058 (J)			<0.025
9/19/2017				0.0004 (J)	<0.025 (D)	
3/12/2018	<0.025	<0.025	0.0053 (J)			
3/13/2018				<0.025	<0.025	<0.025
9/6/2018	<0.025	<0.025	0.0054 (J)	<0.025		<0.025
9/7/2018					<0.025	
3/6/2019	<0.025		<0.025			
3/7/2019		<0.025		<0.025		<0.025
3/8/2019					<0.025	
9/4/2019	0.00023 (J)	<0.025	0.0082 (J)	<0.025 (D)	<0.025	<0.025
3/2/2020	<0.025	0.00043 (J)	0.0068 (J)	0.00019 (J)		0.00024 (J)
3/3/2020					0.00041 (J)	

Time Series

Constituent: Copper (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.025				
5/9/2015	<0.025		<0.025	<0.025	<0.025	<0.025
5/17/2015		<0.025				
5/18/2015	<0.025		<0.025	<0.025	0.00093 (J)	
5/19/2015						<0.025
5/25/2015	<0.025	<0.025	<0.025			
5/26/2015				<0.025	<0.025	<0.025
6/8/2015	<0.025	<0.025				
6/9/2015			<0.025	<0.025	0.0014 (J)	<0.025
6/17/2015	<0.025		<0.025	<0.025	<0.025	<0.025
6/18/2015		<0.025				
6/24/2015	<0.025	<0.025				
6/25/2015			<0.025	<0.025	<0.025	<0.025
6/30/2015	<0.025	0.00093 (J)				
7/1/2015			<0.025	<0.025	0.0014 (J)	<0.025
7/6/2015	<0.025	<0.025				
7/7/2015			<0.025	0.0011 (J)	<0.025	<0.025
8/12/2015	<0.025	<0.025	<0.025			
8/13/2015				<0.025	<0.025	<0.025
3/2/2016	<0.025	<0.025	<0.025	<0.025		
3/3/2016					<0.025	<0.025
7/8/2016	<0.025		<0.025			
7/11/2016		<0.025		<0.025	<0.025	<0.025
3/15/2017			<0.025			<0.025
3/16/2017	<0.025	<0.025		<0.025	<0.025	
9/15/2017			0.0007 (J)	<0.025		0.002 (J)
9/18/2017					<0.025	
9/19/2017	0.0003 (J)	0.0003 (J)				
3/12/2018				<0.025	<0.025	
3/13/2018	<0.025	<0.025	<0.025			<0.025
9/6/2018			<0.025			
9/7/2018				<0.025	<0.025	<0.025
9/11/2018	<0.025	<0.025				
3/7/2019			<0.025		<0.025	<0.025
3/8/2019	<0.025			<0.025		
3/12/2019		<0.025				
9/4/2019						0.00047 (J)
9/5/2019	<0.025	<0.025	<0.025	<0.025	<0.025	
3/3/2020			0.00025 (J)	<0.025		
3/4/2020	0.00053 (J)	<0.025			<0.025	0.0003 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

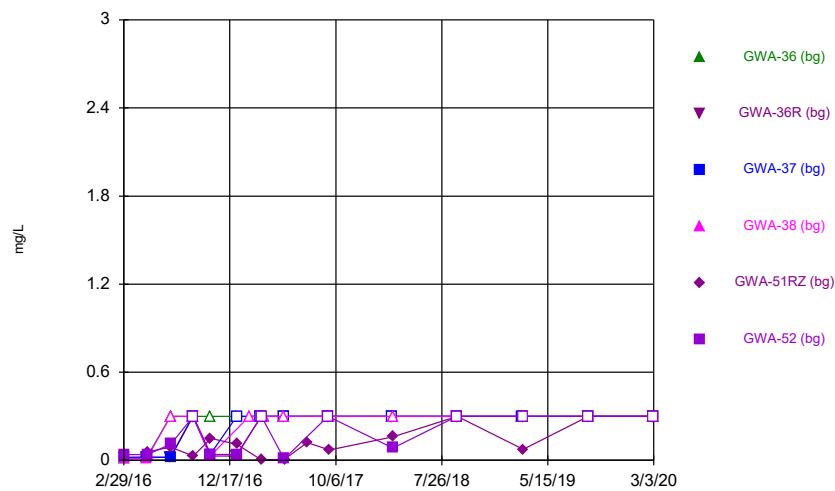
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0042 (J)					
9/17/2014		<0.025	<0.025	<0.025	<0.025	
9/18/2014						<0.025
10/4/2014	0.0024 (J)	0.0012 (J)	<0.025	0.00086 (J)	<0.025	
10/5/2014						<0.025
10/21/2014	0.002 (J)	0.0011 (J)	<0.025	<0.025	<0.025	
10/22/2014						<0.025
11/5/2014			<0.025		<0.025	<0.025
11/11/2014	0.0021 (J)	0.0015 (J)		<0.025		
3/3/2015	0.0017 (J)	0.0012 (J)	<0.025	<0.025	<0.025	
3/4/2015						<0.025
3/18/2015	0.0019 (J)	<0.025	<0.025	<0.025		
3/19/2015					<0.025	<0.025
4/6/2015	0.0014 (J)	0.00083 (J)				
4/7/2015			<0.025	<0.025	<0.025	<0.025
4/23/2015	0.0022 (J)	0.0012 (J)	<0.025	<0.025		
4/24/2015					<0.025	<0.025
7/29/2015	0.00098 (J)	<0.025	<0.025	<0.025	<0.025	
7/30/2015						<0.025
3/3/2016	<0.025 (D)					
3/4/2016		<0.025				
3/7/2016			<0.025	<0.025	<0.025	
3/8/2016						<0.025
7/13/2016	0.0022 (J)		<0.025	<0.025		
7/14/2016		0.0124 (J)			<0.025	<0.025
3/20/2017	0.002 (J)			<0.025		
3/21/2017		0.0005 (J)			0.0006 (J)	
3/22/2017						<0.025
3/23/2017			<0.025			
9/19/2017						0.0008 (J)
9/20/2017					0.0003 (J)	
9/21/2017	0.0018 (J)			0.0003 (J)		
9/22/2017		0.0007 (J)				
9/25/2017			<0.025			
3/14/2018	0.0017 (J)	<0.025	<0.025	<0.025	<0.025	<0.025
9/7/2018	<0.025			<0.025		
9/10/2018					<0.025	<0.025
9/11/2018		<0.025	<0.025			
3/11/2019	<0.025					
3/12/2019		<0.025	<0.025	<0.025	<0.025	<0.025
9/6/2019				<0.025		<0.025 (D)
9/9/2019	0.00082 (J)		<0.025		<0.025	
9/10/2019		<0.025				
3/4/2020	0.0024 (J)				0.00036 (J)	
3/5/2020		0.00023 (J)		<0.025		<0.025
3/6/2020			0.00023 (J)			

Time Series

Constituent: Copper (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

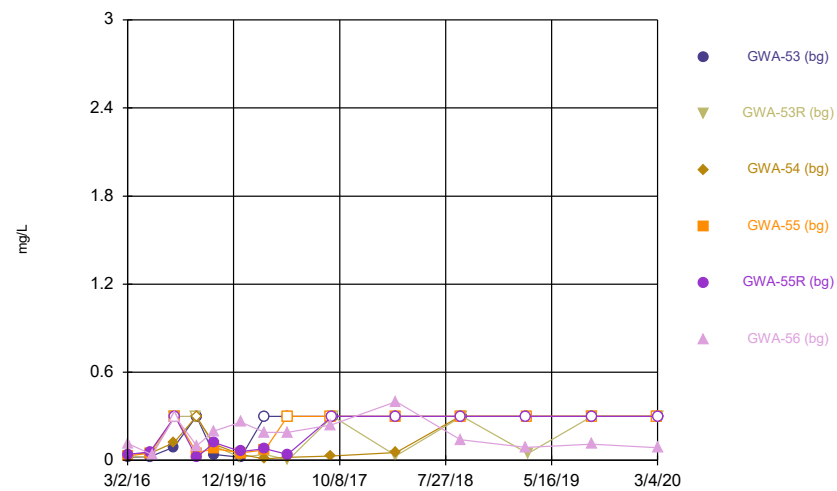
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.025	<0.025
9/18/2014	<0.025	<0.025	<0.025		
10/4/2014				<0.025	<0.025
10/5/2014	0.0016 (J)	<0.025	<0.025		
10/22/2014	0.0018 (J)	<0.025	<0.025		
10/23/2014				<0.025	<0.025
11/5/2014	0.0015 (J)	<0.025	0.001 (J)		
11/10/2014				<0.025	<0.025
3/4/2015	<0.025	<0.025	0.0014 (J)	<0.025	<0.025
3/19/2015	<0.025	<0.025			
3/20/2015			<0.025	<0.025	<0.025
4/8/2015	<0.025	<0.025	0.0014 (J)	<0.025	
4/9/2015					<0.025
4/23/2015			<0.025	0.0011 (J)	<0.025
4/24/2015	0.0016 (J)	<0.025			
7/30/2015	<0.025	<0.025	<0.025	<0.025	<0.025
3/4/2016				<0.025	
3/7/2016		<0.025			
3/8/2016	<0.025				<0.025
3/9/2016			<0.025		
7/12/2016				<0.025	
7/14/2016		<0.025			
7/15/2016	0.0009 (J)		<0.025		
7/18/2016					<0.025
3/16/2017					<0.025
3/20/2017		0.0012 (J)		0.0003 (J)	
3/21/2017	0.0009 (J)				
3/22/2017			0.0005 (J)		
9/19/2017	0.0006 (J)	<0.025		<0.025	<0.025
9/21/2017			0.0005 (J)		
3/13/2018		<0.025		<0.025	<0.025
3/14/2018	<0.025		<0.025		
9/7/2018		<0.025			
9/10/2018	<0.025				
9/11/2018			<0.025	<0.025	<0.025
3/8/2019				<0.025	<0.025
3/11/2019	<0.025	<0.025			
3/12/2019			<0.025		
9/5/2019		<0.025		0.001 (JD)	<0.025
9/6/2019	0.01 (J)		0.00037 (J)		
3/3/2020	0.00049 (J)	0.00022 (J)		0.00097 (J)	0.00027 (J)
3/5/2020			0.0003 (J)		

Time Series



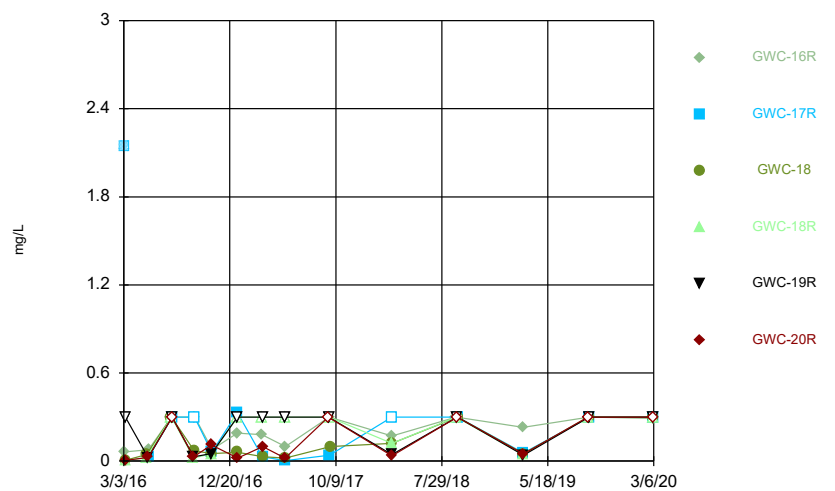
Constituent: Fluoride Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



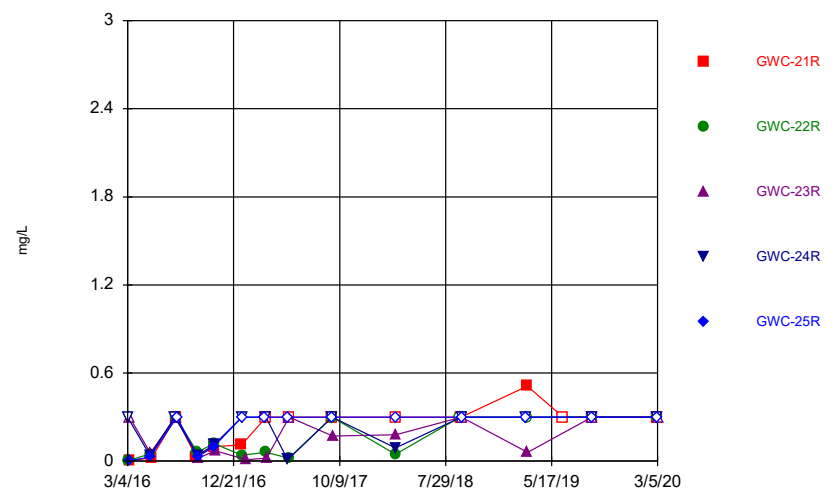
Constituent: Fluoride Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Fluoride Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Fluoride Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						0.0375 (J)
3/1/2016	0.0153 (J)	0.0172 (J)	0.0215 (J)			
3/2/2016				0.0121 (J)		
5/2/2016	0.018 (J)	0.018 (J)				
5/3/2016			0.023 (J)	0.013 (J)		
5/4/2016					0.057 (JD)	0.04 (J)
7/6/2016		0.02 (J)				
7/7/2016	<0.3			<0.3	0.09 (JD)	
7/8/2016			0.02 (J)			0.11 (J)
9/7/2016	<0.3	<0.3	<0.3			
9/8/2016				<0.3	0.03 (JD)	<0.3
10/25/2016	<0.3	0.03 (J)	0.04 (J)	0.03 (J)		
10/26/2016					0.15 (JD)	0.04 (J)
1/5/2017	<0.3	0.03 (J)				
1/6/2017			<0.3		0.11 (JD)	0.04 (J)
2/9/2017				<0.3		
3/14/2017		<0.3	<0.3			
3/15/2017	<0.3				0.004 (JD)	<0.3
3/23/2017				<0.3		
5/16/2017		<0.3	<0.3			
5/17/2017	<0.3			<0.3		0.01 (J)
5/18/2017					0.007 (JD)	
7/19/2017					0.12 (JD)	
9/15/2017	<0.3	<0.3	<0.3			<0.3
9/19/2017				<0.3	0.07 (JD)	
3/12/2018	<0.3	<0.3	<0.3			
3/13/2018				<0.3	0.16 (J)	0.084 (J)
9/6/2018	<0.3	<0.3	<0.3	<0.3		<0.3
9/7/2018					<0.3	
3/6/2019	<0.3		<0.3			
3/7/2019		<0.3		<0.3		<0.3
3/8/2019					0.075 (J)	
9/4/2019	<0.3	<0.3	<0.3	<0.3 (D)	<0.3	<0.3
3/2/2020	<0.3	<0.3	<0.3	<0.3		<0.3
3/3/2020					<0.3	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	0.0202 (J)	0.0238 (J)	0.0427 (J)	0.0293 (J)		
3/3/2016					0.0392 (J)	0.1143 (J)
5/3/2016	0.025 (J)	0.027 (J)		0.049 (J)	0.058 (J)	
5/4/2016			0.048 (J)			
5/9/2016						0.0383 (J)
7/8/2016	0.09 (J)		0.12 (J)			
7/11/2016		<0.3		<0.3	<0.3	<0.3
9/7/2016		<0.3				
9/8/2016	<0.3		<0.3			
9/9/2016				0.05 (J)	0.02 (J)	0.1 (J)
10/26/2016	0.04 (J)		0.11 (J)	0.08 (J)		0.2 (J)
10/27/2016		0.1 (J)			0.12 (J)	
1/6/2017		0.02 (J)				
1/9/2017	0.02 (J)		0.04 (J)	0.05 (J)	0.06 (J)	0.26 (J)
3/15/2017			0.009 (J)			0.19 (J)
3/16/2017	<0.3	0.04 (J)		0.07 (J)	0.08 (J)	
5/18/2017			0.02 (J)	<0.3	0.04 (J)	0.19 (J)
5/19/2017	<0.3	0.004 (J)				
9/15/2017			0.03 (J)	<0.3		0.24 (J)
9/18/2017				<0.3		
9/19/2017	<0.3	<0.3				
3/12/2018				<0.3	<0.3	
3/13/2018	<0.3	0.032 (J)	0.054 (J)			0.4
9/6/2018			<0.3			
9/7/2018				<0.3	<0.3	0.14 (J)
9/11/2018	<0.3	<0.3				
3/7/2019			<0.3		<0.3	0.089 (J)
3/8/2019	<0.3			<0.3		
3/12/2019		0.046 (J)				
9/4/2019						0.11 (J)
9/5/2019	<0.3	<0.3	<0.3	<0.3	<0.3	
3/3/2020			<0.3	<0.3		
3/4/2020	<0.3	<0.3			<0.3	0.086 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

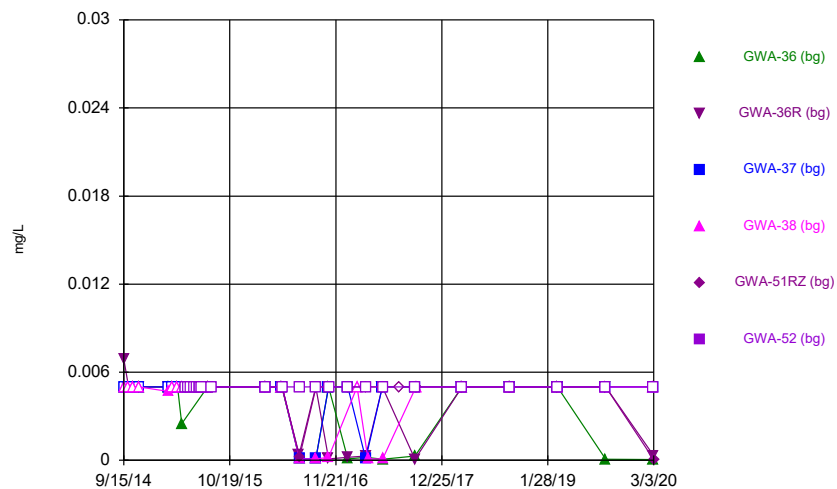
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	0.06259 (JD)					
3/4/2016		2.1421 (O)				
3/7/2016			0.00623 (J)	0.00232 (J)	<0.3	
3/8/2016						0.00425 (J)
5/5/2016			0.045 (J)	0.025 (J)		
5/9/2016					0.0246 (J)	0.0259 (J)
5/10/2016	0.0767 (J)	0.0258 (J)				
7/13/2016	<0.3		<0.3	<0.3		
7/14/2016		<0.3			<0.3	<0.3
9/12/2016				0.02 (J)	0.03 (J)	0.03 (J)
9/13/2016			0.07 (J)			
9/14/2016		<0.3				
9/15/2016	<0.3					
10/31/2016			0.05 (J)		0.05 (J)	0.11 (J)
11/1/2016		0.06 (J)		0.05 (J)		
11/2/2016	0.08 (J)					
1/11/2017	0.19 (J)	0.33		<0.3	<0.3	
1/12/2017			0.06 (J)			0.02 (J)
3/20/2017	0.18 (J)			<0.3		
3/21/2017		0.03 (J)			<0.3	
3/22/2017						0.1 (J)
3/23/2017			0.03 (J)			
5/22/2017				<0.3	<0.3	0.02 (J)
5/23/2017	0.1 (J)	0.004 (J)	0.02 (J)			
9/19/2017						<0.3
9/20/2017					<0.3	
9/21/2017	<0.3			<0.3		
9/22/2017		0.04 (J)				
9/25/2017			0.1 (J)			
3/14/2018	0.17 (J)	<0.3	0.12 (J)	0.12 (J)	0.045 (J)	0.035 (J)
9/7/2018	<0.3			<0.3		
9/10/2018					<0.3	<0.3
9/11/2018		<0.3	<0.3			
3/11/2019	0.23 (J)					
3/12/2019		0.056 (J)	0.05 (J)	0.042 (J)	0.04 (J)	0.048 (J)
9/6/2019				<0.3		<0.3 (D)
9/9/2019	<0.3		<0.3		<0.3	
9/10/2019		<0.3				
3/4/2020	0.29 (J)				<0.3	
3/5/2020		<0.3		<0.3		<0.3
3/6/2020			<0.3			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

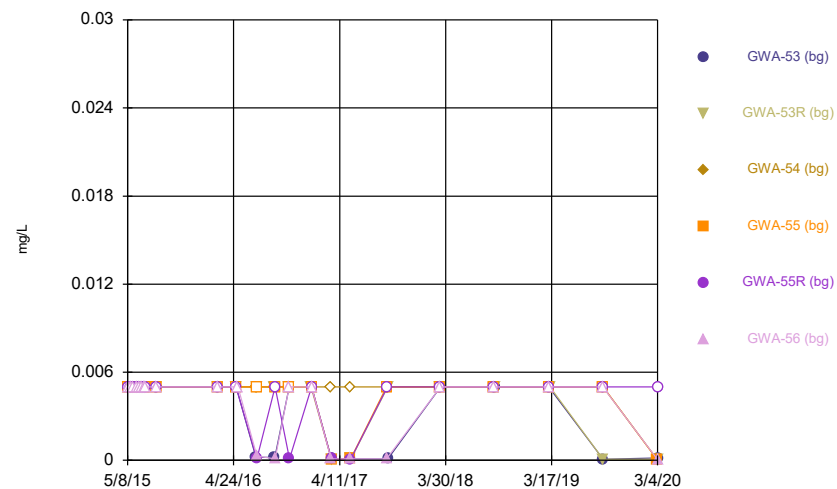
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				<0.3	
3/7/2016		0.00526 (J)			
3/8/2016	0.00287 (J)				0.00246 (J)
3/9/2016			<0.3		
5/4/2016					0.027 (J)
5/5/2016		0.049 (J)		0.039 (J)	
5/6/2016			0.056 (J)		
5/9/2016	0.0222 (J)				
7/12/2016				<0.3	
7/14/2016		<0.3			
7/15/2016	<0.3		<0.3		
7/18/2016					<0.3
9/9/2016	0.03 (J)				
9/12/2016		0.06 (J)			
9/13/2016				0.04 (J)	0.03 (J)
9/14/2016			0.02 (J)		
10/27/2016	0.1 (J)	0.12 (J)		0.11 (J)	0.1 (J)
11/1/2016			0.07 (J)		
1/12/2017	0.11 (J)				
1/13/2017		0.04 (J)		<0.3	<0.3
1/25/2017			0.01 (J)		
3/16/2017					<0.3
3/20/2017		0.06 (J)		<0.3	
3/21/2017	<0.3				
3/22/2017			0.02 (J)		
5/19/2017				0.01 (J)	<0.3
5/23/2017	<0.3	0.02 (J)			
5/24/2017			<0.3		
9/19/2017	<0.3	<0.3		<0.3	<0.3
9/21/2017			0.17 (J)		
3/13/2018		0.046 (J)		0.091 (J)	<0.3
3/14/2018	<0.3		0.18 (J)		
9/7/2018		<0.3			
9/10/2018	<0.3				
9/11/2018			<0.3	<0.3	<0.3
3/8/2019				<0.3	<0.3
3/11/2019	0.51	<0.3			
3/12/2019			0.06 (J)		
6/18/2019	<0.3				
9/5/2019		<0.3		<0.3 (D)	<0.3
9/6/2019	<0.3		<0.3		
3/3/2020	<0.3	<0.3		<0.3	<0.3
3/5/2020			<0.3		

Time Series



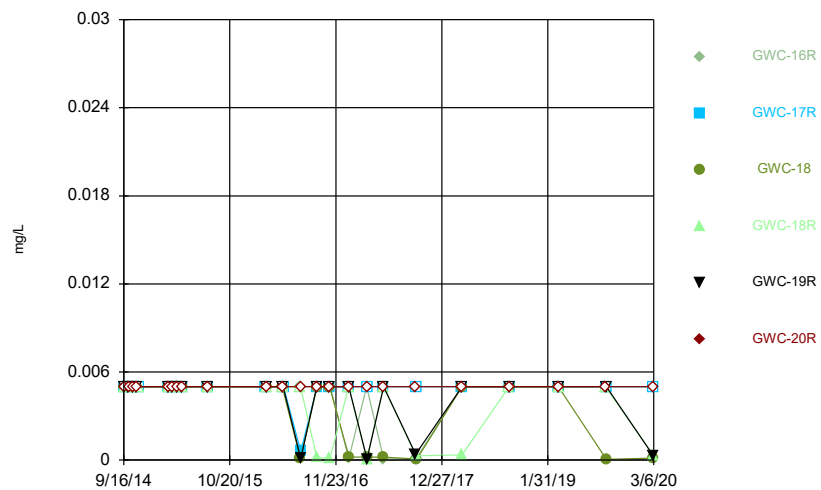
Constituent: Lead Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



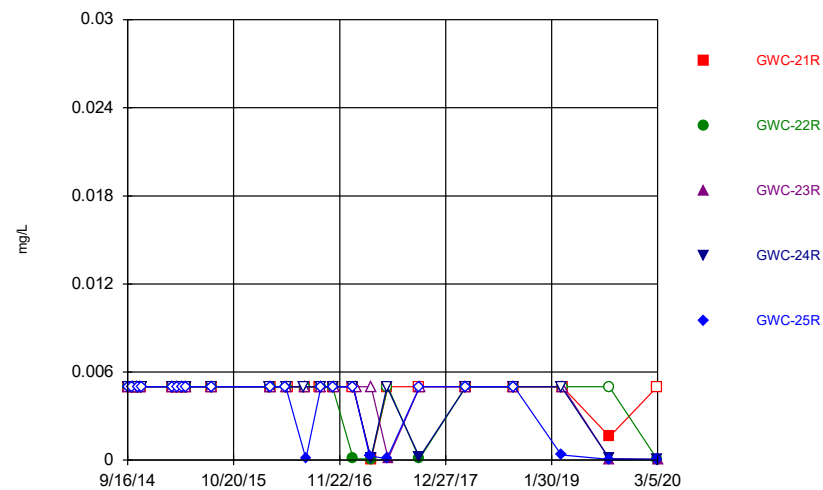
Constituent: Lead Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Lead Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Lead Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Lead (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0069 (J)				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	<0.005	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	0.0047 (J)		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	0.0025 (J)	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					<0.005	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005 (D)	<0.005
7/6/2016		0.0004 (J)				
7/7/2016	0.0001 (J)			0.0001 (J)	0.0002 (JD)	
7/8/2016			0.0001 (J)			<0.005
9/7/2016	0.0001 (J)	<0.005	0.0001 (J)			
9/8/2016				0.0001 (J)	<0.005 (D)	<0.005
10/25/2016	<0.005	0.0001 (J)	<0.005	0.0002 (J)		
10/26/2016					<0.005 (D)	<0.005
1/5/2017	0.0001 (J)	0.0002 (J)				
1/6/2017			<0.005		<0.005 (D)	<0.005
2/9/2017				<0.005		
3/14/2017		0.0003 (J)	0.0001 (J)			
3/15/2017	0.0002 (J)				<0.005 (D)	<0.005
3/23/2017				0.0001 (J)		
5/16/2017		<0.005	<0.005			
5/17/2017	8E-05 (J)			0.0001 (J)		<0.005
5/18/2017					<0.005 (D)	
7/19/2017					<0.005 (D)	
9/15/2017	0.0003 (J)	8E-05 (J)	<0.005			<0.005
9/19/2017				<0.005	<0.005 (D)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				<0.005	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Lead (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	7.6E-05 (J)	<0.005	<0.005	<0.005 (D)	<0.005	<0.005
3/2/2020	5.2E-05 (J)	0.00031 (J)	<0.005	<0.005		<0.005
3/3/2020					5.1E-05 (J)	

Time Series

Constituent: Lead (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	<0.005	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	<0.005	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	0.0002 (J)		<0.005			
7/11/2016		<0.005		<0.005	0.0001 (J)	0.0003 (J)
9/7/2016		<0.005				
9/8/2016	0.0002 (J)		<0.005			
9/9/2016				<0.005	<0.005	0.0001 (J)
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			0.0001 (J)	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			<0.005			0.0001 (J)
3/16/2017	0.0001 (J)	5E-05 (J)		7E-05 (J)	0.0001 (J)	
5/18/2017			<0.005	0.0001 (J)	7E-05 (J)	0.0001 (J)
5/19/2017	9E-05 (J)	0.0001 (J)				
9/15/2017			<0.005	<0.005		0.0001 (J)
9/18/2017					<0.005	
9/19/2017	0.0001 (J)	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	8E-05 (J)	8.3E-05 (J)	<0.005	<0.005	<0.005	
3/3/2020			4.8E-05 (J)	4.8E-05 (J)		
3/4/2020	0.00016 (J)	6.6E-05 (J)			<0.005	5E-05 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		<0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005 (D)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	<0.005	<0.005				
7/13/2016	<0.005		0.0001 (J)	<0.005		
7/14/2016		0.0006 (J)			9E-05 (J)	<0.005
9/12/2016				0.0002 (J)	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	<0.005					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		0.0001 (J)		
11/2/2016	<0.005					
1/11/2017	0.0001 (J)	<0.005		<0.005	<0.005	
1/12/2017			0.0002 (J)			<0.005
3/20/2017	<0.005			7E-05 (J)		
3/21/2017		<0.005			7E-05 (J)	
3/22/2017						<0.005
3/23/2017			0.0002 (J)			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	8E-05 (J)	<0.005	0.0002 (J)			
9/19/2017						<0.005
9/20/2017					0.0004 (J)	
9/21/2017	9E-05 (J)			0.0003 (J)		
9/22/2017		<0.005				
9/25/2017			8E-05 (J)			
3/14/2018	<0.005	<0.005	<0.005	0.00035 (J)	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Lead (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005 (D)
9/9/2019	<0.005		5E-05 (J)		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				0.0003 (J)	
3/5/2020		<0.005		0.00032 (J)		<0.005
3/6/2020			0.00013 (J)			

Time Series

Constituent: Lead (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

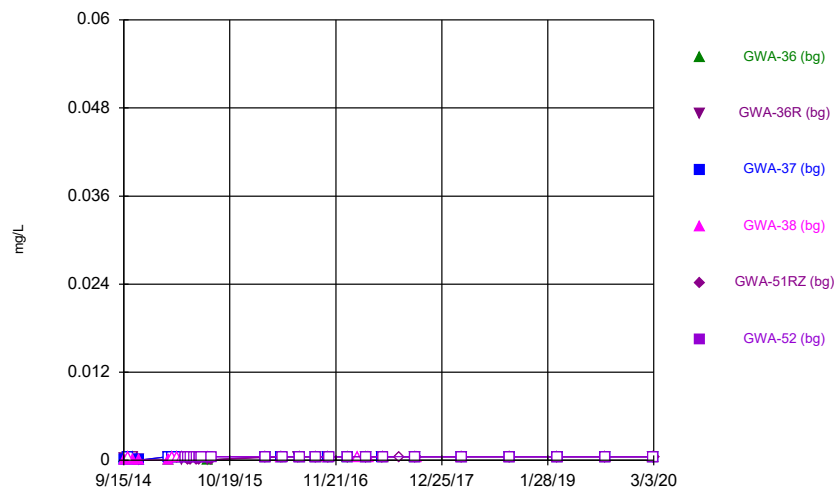
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.005	<0.005
9/18/2014	<0.005	<0.005	<0.005		
10/4/2014				<0.005	<0.005
10/5/2014	<0.005	<0.005	<0.005		
10/22/2014	<0.005	<0.005	<0.005		
10/23/2014				<0.005	<0.005
11/5/2014	<0.005	<0.005	<0.005		
11/10/2014				<0.005	<0.005
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2015	<0.005	<0.005			
3/20/2015			<0.005	<0.005	<0.005
4/8/2015	<0.005	<0.005	<0.005	<0.005	
4/9/2015					<0.005
4/23/2015			<0.005	<0.005	<0.005
4/24/2015	<0.005	<0.005			
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/4/2016				<0.005	
3/7/2016		<0.005			
3/8/2016	<0.005				<0.005
3/9/2016			<0.005		
5/4/2016					<0.005
5/5/2016		<0.005		<0.005	
5/6/2016			<0.005		
5/9/2016	<0.005				
7/12/2016				<0.005	
7/14/2016		<0.005			
7/15/2016	<0.005		<0.005		
7/18/2016					0.0001 (J)
9/9/2016	<0.005				
9/12/2016		<0.005			
9/13/2016				<0.005	<0.005
9/14/2016			<0.005		
10/27/2016	<0.005	<0.005		<0.005	<0.005
11/1/2016			<0.005		
1/12/2017	<0.005				
1/13/2017		0.0001 (J)		<0.005	<0.005
1/25/2017			<0.005		
3/16/2017					0.0003 (J)
3/20/2017		7E-05 (J)		0.0001 (J)	
3/21/2017	6E-05 (J)				
3/22/2017			<0.005		
5/19/2017				<0.005	0.0001 (J)
5/23/2017	<0.005	<0.005			
5/24/2017			0.0001 (J)		
9/19/2017	<0.005	0.0001 (J)		0.0002 (J)	<0.005
9/21/2017			<0.005		
3/13/2018		<0.005		<0.005	<0.005
3/14/2018	<0.005		<0.005		
9/7/2018		<0.005			
9/10/2018	<0.005				
9/11/2018			<0.005	<0.005	<0.005
3/8/2019				<0.005	0.00035 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

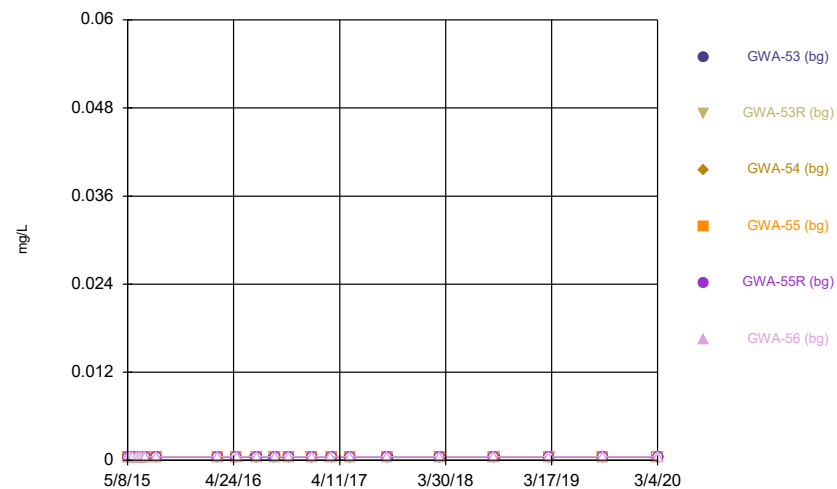
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.005	<0.005			
3/12/2019			<0.005		
9/5/2019		<0.005		9.05E-05 (JD)	6E-05 (J)
9/6/2019	0.0016 (J)		6.8E-05 (J)		
3/3/2020	<0.005	5.9E-05 (J)		5.7E-05 (J)	5.9E-05 (J)
3/5/2020			5.2E-05 (J)		

Time Series



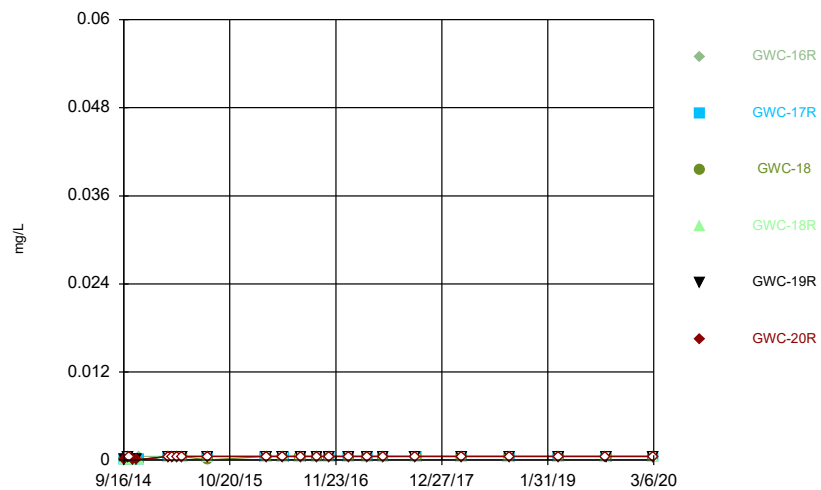
Constituent: Mercury Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



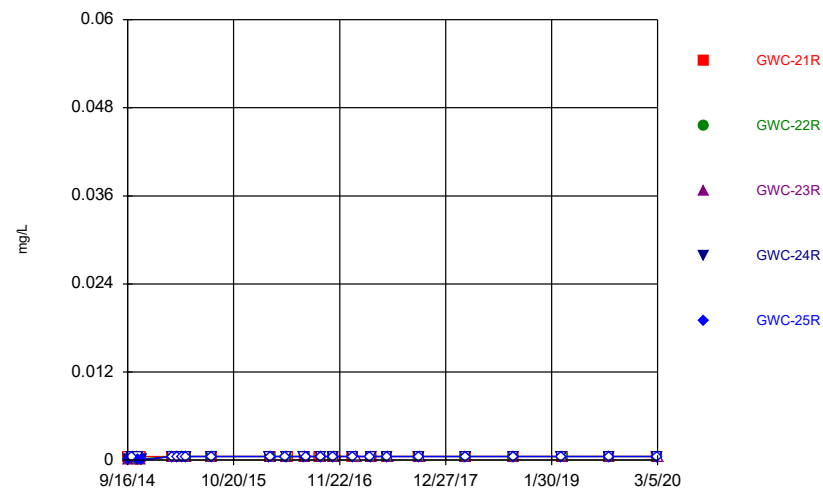
Constituent: Mercury Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Mercury Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Mercury Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.0005	0.000172 (J)				
9/16/2014			4.23E-05 (J)	2.75E-05 (J)		
10/3/2014	<0.0005	<0.0005	<0.0005	<0.0005		
10/20/2014	<0.0005	<0.0005	3.87E-05 (J)	4.07E-05 (J)		
11/10/2014	5.8E-05 (J)	3.84E-05 (J)	3.34E-05 (J)	6.86E-05 (J)		
3/2/2015	2.04E-05 (J)	<0.0005	<0.0005	3.07E-05 (J)		
3/17/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/5/2015	<0.0005	<0.0005	<0.0005			
4/6/2015				<0.0005		
4/21/2015	<0.0005	2.39E-05 (J)				
4/22/2015			<0.0005	<0.0005		
5/8/2015					<0.0005	<0.0005
5/17/2015					0.000101 (J)	<0.0005
5/25/2015					4.88E-05 (J)	<0.0005
6/8/2015					<0.0005	<0.0005
6/18/2015					4.1E-05 (J)	<0.0005
6/24/2015					8.41E-05 (J)	<0.0005
6/30/2015					<0.0005	<0.0005
7/6/2015					<0.0005	<0.0005
7/28/2015	2.13E-05 (J)	5.2E-05 (J)	<0.0005	<0.0005		
8/12/2015					4.91E-05 (J)	<0.0005
2/29/2016						<0.0005
3/1/2016	<0.0005	<0.0005	<0.0005			
3/2/2016				<0.0005		
5/2/2016	<0.0005	<0.0005				
5/3/2016			<0.0005	<0.0005		
5/4/2016					<0.0005 (D)	<0.0005
7/6/2016		<0.0005				
7/7/2016	<0.0005			<0.0005	<0.0005 (D)	
7/8/2016			<0.0005			<0.0005
9/7/2016	<0.0005	<0.0005	<0.0005			
9/8/2016				<0.0005	<0.0005 (D)	<0.0005
10/25/2016	<0.0005	<0.0005	<0.0005	<0.0005		
10/26/2016					<0.0005 (D)	<0.0005
1/5/2017	<0.0005	<0.0005				
1/6/2017			<0.0005		<0.0005 (D)	<0.0005
2/9/2017				<0.0005		
3/14/2017		<0.0005	<0.0005			
3/15/2017	<0.0005				<0.0005 (D)	<0.0005
3/23/2017				<0.0005		
5/16/2017		<0.0005	<0.0005			
5/17/2017	<0.0005			<0.0005		<0.0005
5/18/2017					<0.0005 (D)	
7/19/2017					<0.0005 (D)	
9/15/2017	<0.0005	<0.0005	<0.0005			<0.0005
9/19/2017				<0.0005	<0.0005 (D)	
3/12/2018	<0.0005	<0.0005	<0.0005			
3/13/2018				<0.0005	<0.0005	<0.0005
9/6/2018	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
9/7/2018					<0.0005	
3/6/2019	<0.0005		<0.0005			
3/7/2019		<0.0005		<0.0005		<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0005	
9/4/2019	<0.0005	<0.0005	<0.0005	<0.0005 (D)	<0.0005	<0.0005
3/2/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/3/2020					<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0005				
5/9/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
5/17/2015		<0.0005				
5/18/2015	<0.0005		<0.0005	<0.0005	<0.0005	
5/19/2015						<0.0005
5/25/2015	<0.0005	<0.0005	<0.0005			
5/26/2015				<0.0005	<0.0005	<0.0005
6/8/2015	<0.0005	<0.0005				
6/9/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/17/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
6/18/2015		<0.0005				
6/24/2015	<0.0005	<0.0005				
6/25/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/30/2015	<0.0005	<0.0005				
7/1/2015			<0.0005	<0.0005	<0.0005	<0.0005
7/6/2015	<0.0005	<0.0005				
7/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
8/12/2015	<0.0005	<0.0005	<0.0005			
8/13/2015				<0.0005	<0.0005	<0.0005
3/2/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	<0.0005
5/3/2016	<0.0005	<0.0005		<0.0005	<0.0005	
5/4/2016			<0.0005			
5/9/2016						<0.0005
7/8/2016	<0.0005		<0.0005			
7/11/2016		<0.0005		<0.0005	<0.0005	<0.0005
9/7/2016		<0.0005				
9/8/2016	<0.0005		<0.0005			
9/9/2016				<0.0005	<0.0005	<0.0005
10/26/2016	<0.0005		<0.0005	<0.0005		<0.0005
10/27/2016		<0.0005			<0.0005	
1/6/2017		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
3/15/2017			<0.0005			<0.0005
3/16/2017	<0.0005	<0.0005		<0.0005	<0.0005	
5/18/2017			<0.0005	<0.0005	<0.0005	<0.0005
5/19/2017	<0.0005	<0.0005				
9/15/2017			<0.0005	<0.0005		<0.0005
9/18/2017					<0.0005	
9/19/2017	<0.0005	<0.0005				
3/12/2018				<0.0005	<0.0005	
3/13/2018	<0.0005	<0.0005	<0.0005			<0.0005
9/6/2018			<0.0005			
9/7/2018				<0.0005	<0.0005	<0.0005
9/11/2018	<0.0005	<0.0005				
3/7/2019			<0.0005		<0.0005	<0.0005
3/8/2019	<0.0005			<0.0005		
3/12/2019		<0.0005				
9/4/2019						<0.0005
9/5/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/3/2020			<0.0005	<0.0005		
3/4/2020	<0.0005	<0.0005			<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	2.69E-05 (J)					
9/17/2014		2.97E-05 (J)	4.24E-05 (J)	3.5E-05 (J)	4.15E-05 (J)	
9/18/2014						5.34E-05 (J)
10/4/2014	<0.0005	<0.0005	2.5E-05 (J)	<0.0005	<0.0005	
10/5/2014						<0.0005
10/21/2014	3.18E-05 (J)	5.02E-05 (J)	6.4E-05 (J)	5.35E-05 (J)	5.89E-05 (J)	
10/22/2014						4.88E-05 (J)
11/5/2014			7.02E-05 (J)		7.28E-05 (J)	2.85E-05 (J)
11/11/2014	<0.0005	3.66E-05 (J)		4.64E-05 (J)		
3/3/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2015						<0.0005
3/18/2015	<0.0005	<0.0005	<0.0005	<0.0005		
3/19/2015					<0.0005	<0.0005
4/6/2015	<0.0005	<0.0005				
4/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
4/23/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/24/2015					<0.0005	<0.0005
7/29/2015	<0.0005	<0.0005	3.14E-05 (J)	<0.0005	<0.0005	
7/30/2015						<0.0005
3/3/2016	<0.0005 (D)					
3/4/2016		<0.0005				
3/7/2016			<0.0005	<0.0005	<0.0005	
3/8/2016						<0.0005
5/5/2016			<0.0005	<0.0005		
5/9/2016					<0.0005	<0.0005
5/10/2016	<0.0005	<0.0005				
7/13/2016	<0.0005		<0.0005	<0.0005		
7/14/2016		<0.0005			<0.0005	<0.0005
9/12/2016				<0.0005	<0.0005	<0.0005
9/13/2016			<0.0005			
9/14/2016		<0.0005				
9/15/2016	<0.0005					
10/31/2016			<0.0005		<0.0005	<0.0005
11/1/2016		<0.0005		<0.0005		
11/2/2016	<0.0005					
1/11/2017	<0.0005	<0.0005		<0.0005	<0.0005	
1/12/2017			<0.0005			<0.0005
3/20/2017	<0.0005			<0.0005		
3/21/2017		<0.0005			<0.0005	
3/22/2017						<0.0005
3/23/2017			<0.0005			
5/22/2017				<0.0005	<0.0005	<0.0005
5/23/2017	<0.0005	<0.0005	<0.0005			
9/19/2017						<0.0005
9/20/2017					<0.0005	
9/21/2017	<0.0005			<0.0005		
9/22/2017		<0.0005				
9/25/2017			<0.0005			
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/7/2018	<0.0005			<0.0005		
9/10/2018					<0.0005	<0.0005
9/11/2018		<0.0005	<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0005					
3/12/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/6/2019				<0.0005		<0.0005 (D)
9/9/2019	<0.0005		<0.0005		<0.0005	
9/10/2019		<0.0005				
3/4/2020	<0.0005				<0.0005	
3/5/2020		<0.0005		<0.0005		<0.0005
3/6/2020			<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

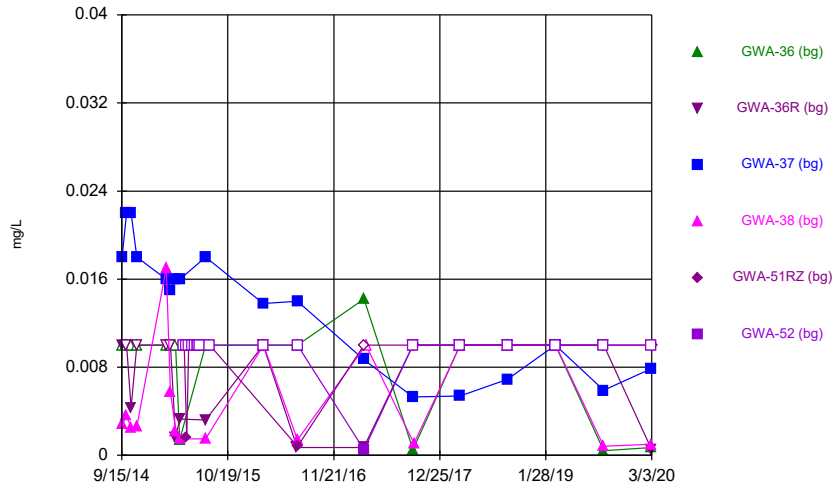
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				2.81E-05 (J)	3.13E-05 (J)
9/18/2014	<0.0005	2.54E-05 (J)	2.82E-05 (J)		
10/4/2014				<0.0005	<0.0005
10/5/2014	<0.0005	<0.0005	<0.0005		
10/22/2014	2.57E-05 (J)	2.83E-05 (J)	<0.0005		
10/23/2014				<0.0005	4.6E-05 (J)
11/5/2014	<0.0005	0.0002	4.83E-05 (J)		
11/10/2014				5.15E-05 (J)	2.5E-05 (J)
3/4/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/19/2015	<0.0005	<0.0005			
3/20/2015			<0.0005	<0.0005	<0.0005
4/8/2015	<0.0005	<0.0005	<0.0005	<0.0005	
4/9/2015					<0.0005
4/23/2015			<0.0005	<0.0005	<0.0005
4/24/2015	<0.0005	<0.0005			
7/30/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/4/2016				<0.0005	
3/7/2016		<0.0005			
3/8/2016	<0.0005				<0.0005
3/9/2016			<0.0005		
5/4/2016					<0.0005
5/5/2016		<0.0005		<0.0005	
5/6/2016			<0.0005		
5/9/2016	<0.0005				
7/12/2016				<0.0005	
7/14/2016		<0.0005			
7/15/2016	<0.0005		<0.0005		
7/18/2016					<0.0005
9/9/2016	<0.0005				
9/12/2016		<0.0005			
9/13/2016				<0.0005	<0.0005
9/14/2016			<0.0005		
10/27/2016	<0.0005	<0.0005		<0.0005	<0.0005
11/1/2016			<0.0005		
1/12/2017	<0.0005				
1/13/2017		<0.0005		<0.0005	<0.0005
1/25/2017			<0.0005		
3/16/2017					<0.0005
3/20/2017		<0.0005		<0.0005	
3/21/2017	<0.0005				
3/22/2017			<0.0005		
5/19/2017				<0.0005	<0.0005
5/23/2017	<0.0005	<0.0005			
5/24/2017			<0.0005		
9/19/2017	<0.0005	<0.0005		<0.0005	<0.0005
9/21/2017			<0.0005		
3/13/2018		<0.0005		<0.0005	<0.0005
3/14/2018	<0.0005		<0.0005		
9/7/2018		<0.0005			
9/10/2018	<0.0005				
9/11/2018			<0.0005	<0.0005	<0.0005
3/8/2019				<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

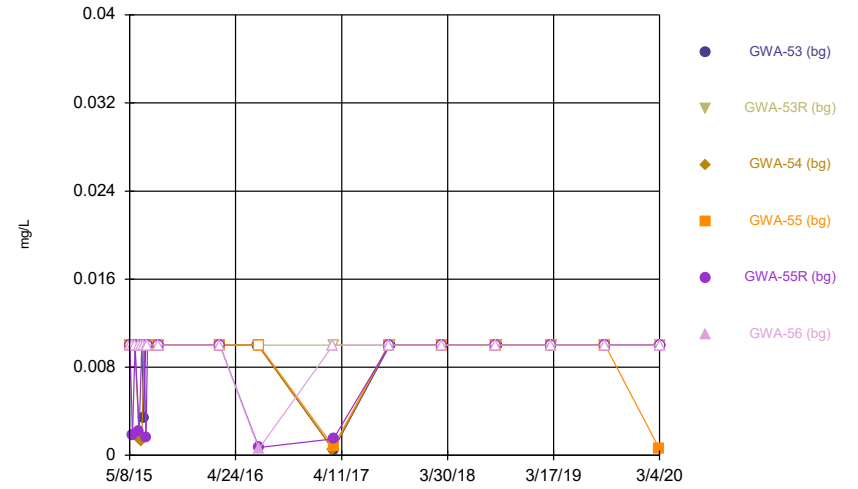
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.0005	<0.0005			
3/12/2019			<0.0005		
9/5/2019		<0.0005		<0.0005 (D)	<0.0005
9/6/2019	<0.0005		<0.0005		
3/3/2020	<0.0005	<0.0005		<0.0005	<0.0005
3/5/2020			<0.0005		

Time Series



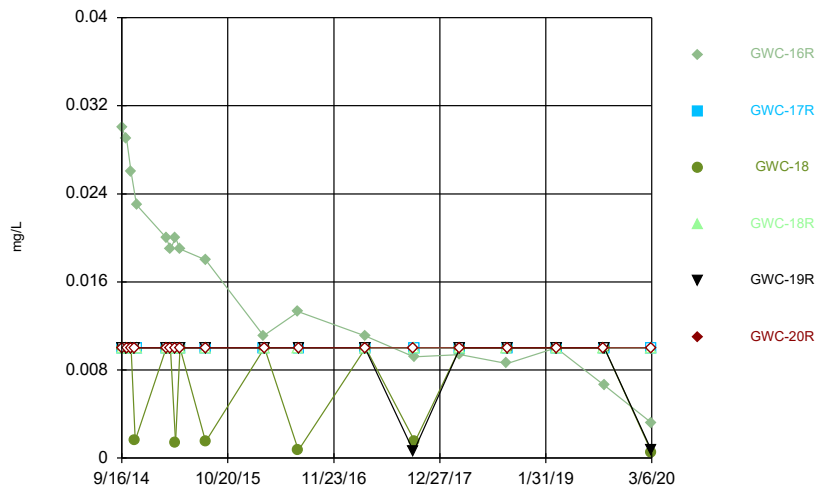
Constituent: Nickel Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



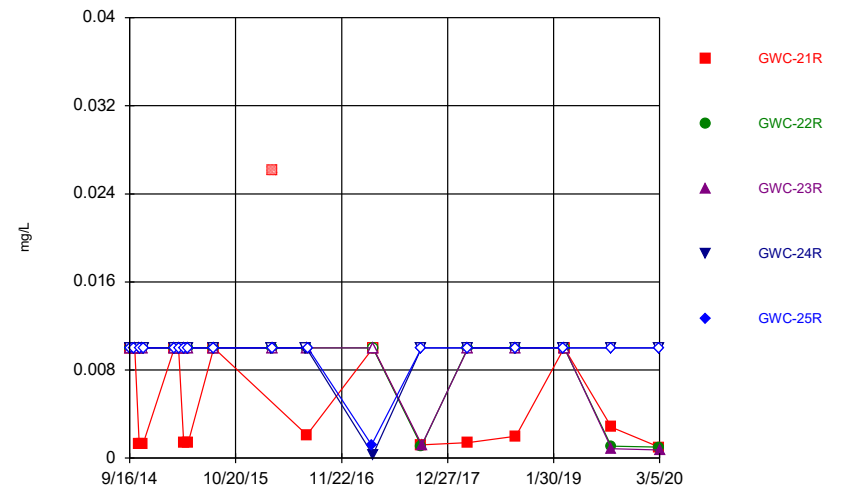
Constituent: Nickel Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Nickel Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Nickel Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.01				
9/16/2014			0.018	0.0028		
10/3/2014	<0.01	<0.01	0.022	0.0036		
10/20/2014	<0.01	0.0043	0.022	0.0025		
11/10/2014	<0.01	<0.01	0.018	0.0026		
3/2/2015	<0.01	<0.01	0.016	0.017		
3/17/2015	<0.01	<0.01	0.015	0.0057		
4/5/2015	<0.01	0.0016 (J)	0.016			
4/6/2015				0.0022 (J)		
4/21/2015	0.0014 (J)	0.0033				
4/22/2015			0.016	0.0015 (J)		
5/8/2015					<0.01	<0.01
5/17/2015					0.0016 (J)	<0.01
5/25/2015					<0.01	<0.01
6/8/2015					<0.01	<0.01
6/18/2015					<0.01	<0.01
6/24/2015					<0.01	<0.01
6/30/2015					<0.01	<0.01
7/6/2015					<0.01	<0.01
7/28/2015	<0.01	0.0032	0.018	0.0015 (J)		
8/12/2015					<0.01	<0.01
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	0.0138			
3/2/2016				<0.01		
7/6/2016		0.0007 (J)				
7/7/2016	<0.01			0.0014 (J)	0.0008 (JD)	
7/8/2016			0.014			<0.01
3/14/2017		0.0007 (J)	0.0087 (J)			
3/15/2017	0.0142				<0.01 (D)	0.0005 (J)
3/23/2017				<0.01		
9/15/2017	0.0005 (J)	<0.01	0.0053 (J)			<0.01
9/19/2017				0.0011 (J)	<0.01 (D)	
3/12/2018	<0.01	<0.01	0.0054 (J)			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	0.0069 (J)	<0.01		<0.01
9/7/2018				<0.01		
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	0.00041 (J)	<0.01	0.0059 (J)	0.000825 (JD)	<0.01	<0.01
3/2/2020	0.00071 (J)	0.00051 (J)	0.0079 (J)	0.001 (J)		<0.01
3/3/2020					<0.01	

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		<0.01	<0.01	0.0018 (J)	
5/19/2015						<0.01
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			0.0015 (J)	<0.01	0.0022 (J)	<0.01
6/17/2015	<0.01		0.0013 (J)	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	0.0034	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0016 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	<0.01	<0.01	<0.01			
8/13/2015				<0.01	<0.01	<0.01
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	0.0007 (J)	0.0006 (J)
3/15/2017			0.0005 (J)			<0.01
3/16/2017	0.0005 (J)	<0.01		0.0008 (J)	0.0015 (J)	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	0.00061 (J)		
3/4/2020	<0.01	<0.01			<0.01	<0.01

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

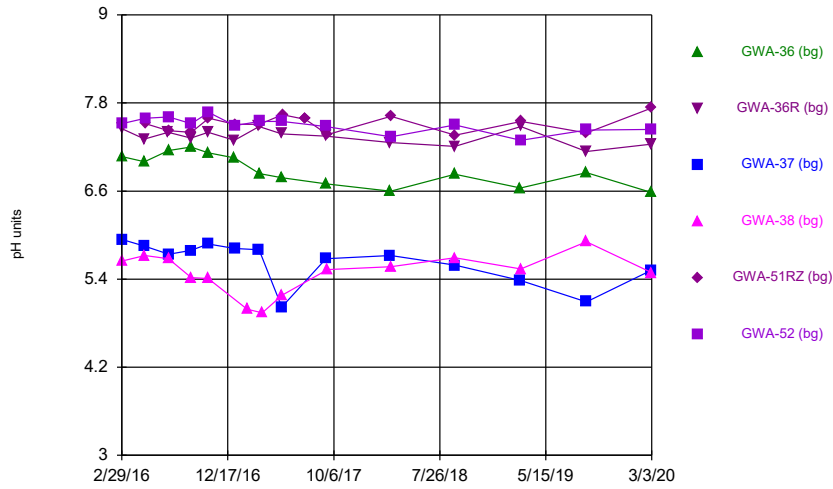
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.03					
9/17/2014		<0.01	<0.01	<0.01	<0.01	
9/18/2014						<0.01
10/4/2014	0.029	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	0.026	<0.01	<0.01	<0.01	<0.01	
10/22/2014						<0.01
11/5/2014			0.0016 (J)		<0.01	<0.01
11/11/2014	0.023	<0.01		<0.01		
3/3/2015	0.02	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	0.019	<0.01	<0.01	<0.01		
3/19/2015					<0.01	<0.01
4/6/2015	0.02	<0.01				
4/7/2015			0.0014 (J)	<0.01	<0.01	<0.01
4/23/2015	0.019	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	0.018	<0.01	0.0015 (J)	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	0.0111 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	0.0133		0.0007 (J)	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	0.0111			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					0.0006 (J)	
9/21/2017	0.0092 (J)			<0.01		
9/22/2017		<0.01				
9/25/2017			0.0015 (J)			
3/14/2018	0.0094 (J)	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	0.0086 (J)			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01 (D)
9/9/2019	0.0066 (J)		<0.01		<0.01	
9/10/2019		<0.01				
3/4/2020	0.0032 (J)				0.00071 (J)	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			0.0005 (J)			

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

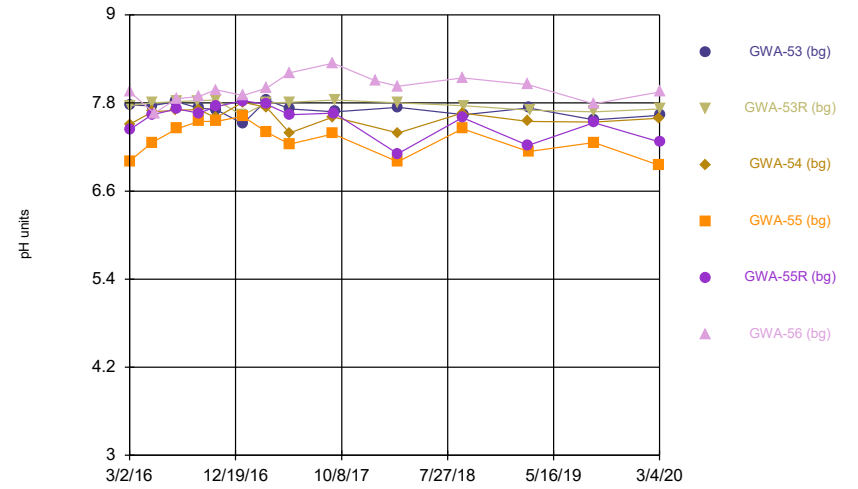
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.01	<0.01
9/18/2014	<0.01	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	<0.01	<0.01	<0.01		
10/22/2014	0.0013 (J)	<0.01	<0.01		
10/23/2014				<0.01	<0.01
11/5/2014	0.0013 (J)	<0.01	<0.01		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	0.0014 (J)	<0.01	<0.01	<0.01	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	0.0014 (J)	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	0.0261 (o)				<0.01
3/9/2016			<0.01		
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	0.0021 (J)		<0.01		
7/18/2016					<0.01
3/16/2017					0.0012 (J)
3/20/2017		<0.01		0.0003 (J)	
3/21/2017	<0.01				
3/22/2017			<0.01		
9/19/2017	0.0012 (J)	0.0011 (J)		<0.01	<0.01
9/21/2017			0.0012 (J)		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	0.0014 (J)		<0.01		
9/7/2018		<0.01			
9/10/2018	0.002 (J)				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		0.0011 (J)		<0.01 (D)	<0.01
9/6/2019	0.0028 (J)		0.00086 (J)		
3/3/2020	0.00099 (J)	0.001 (J)		<0.01	<0.01
3/5/2020			0.00075 (J)		

Time Series



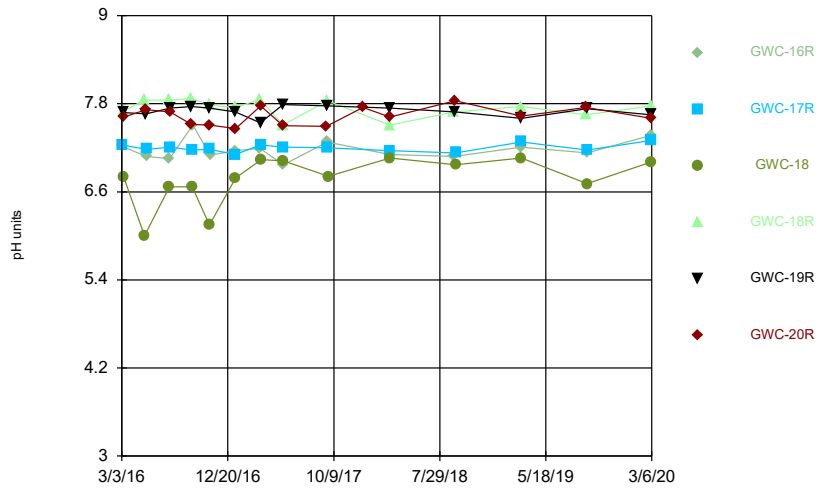
Constituent: pH Analysis Run 4/16/2020 1:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



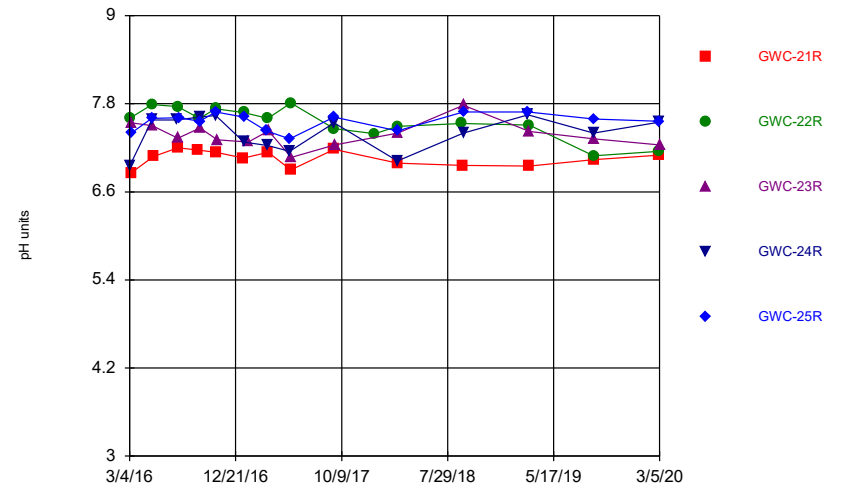
Constituent: pH Analysis Run 4/16/2020 1:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: pH Analysis Run 4/16/2020 1:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: pH Analysis Run 4/16/2020 1:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: pH (pH units) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						7.52
3/1/2016	7.07	7.45	5.94 (D)			
3/2/2016				5.65		
5/2/2016	7	7.31				
5/3/2016			5.85	5.72		
5/4/2016					7.52 (D)	7.59
7/6/2016		7.4				
7/7/2016	7.15			5.68	7.42 (D)	
7/8/2016			5.74			7.61
9/7/2016	7.2	7.32	5.79			
9/8/2016				5.42	7.4 (D)	7.52
10/25/2016	7.12	7.4	5.88	5.41		
10/26/2016					7.59 (D)	7.67
1/5/2017	7.05	7.29				
1/6/2017			5.82		7.51 (D)	7.49
2/9/2017				4.99		
3/14/2017		7.48	5.8			
3/15/2017	6.84				7.51 (D)	7.55
3/23/2017				4.94		
5/16/2017		7.38	5.02			
5/17/2017	6.78			5.18		7.55
5/18/2017					7.64 (D)	
7/18/2017					7.58	
7/19/2017					7.58 (D)	
9/15/2017	6.7	7.35	5.68			7.48
9/19/2017				5.53	7.37 (D)	
3/12/2018	6.6	7.26	5.72			
3/13/2018				5.57	7.62	7.34
9/6/2018	6.83	7.21	5.59	5.69		7.5
9/7/2018					7.36	
3/6/2019	6.64		5.38			
3/7/2019		7.48		5.54		7.29
3/8/2019					7.55	
9/4/2019	6.85	7.14	5.09	5.91 (D)	7.39	7.43
3/2/2020	6.58	7.24	5.52	5.49		7.44
3/3/2020					7.73	

Time Series

Constituent: pH (pH units) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	7.77 (D)	7.76	7.51	7.01		
3/3/2016					7.44	7.95 (D)
5/3/2016	7.76	7.8		7.26	7.64	
5/4/2016			7.68			
5/9/2016						7.66
7/8/2016	7.82		7.7			
7/11/2016		7.82		7.45	7.72	7.86
9/7/2016		7.83				
9/8/2016	7.73		7.71			
9/9/2016				7.55	7.66	7.89
10/26/2016	7.71		7.6	7.55		7.98
10/27/2016		7.84			7.75	
1/6/2017		7.63				
1/9/2017	7.52		7.81	7.62	7.83	7.9
3/15/2017			7.74			8
3/16/2017	7.84	7.8		7.4	7.78	
5/18/2017			7.39	7.24	7.64	8.21
5/19/2017	7.72	7.81				
9/15/2017			7.61	7.38		8.34
9/18/2017					7.66	
9/19/2017	7.68	7.84				
1/9/2018						8.1 (Y)
3/12/2018				7	7.11	
3/13/2018	7.74	7.8	7.39			8.03
9/6/2018			7.66			
9/7/2018				7.45	7.6	8.14
9/11/2018	7.64	7.76				
3/7/2019			7.55		7.22	8.05
3/8/2019	7.73			7.14		
3/12/2019		7.7				
9/4/2019						7.79
9/5/2019	7.57	7.68	7.54	7.26	7.53	
3/3/2020			7.59	6.95		
3/4/2020	7.63	7.72			7.27	7.95

Time Series

Constituent: pH (pH units) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

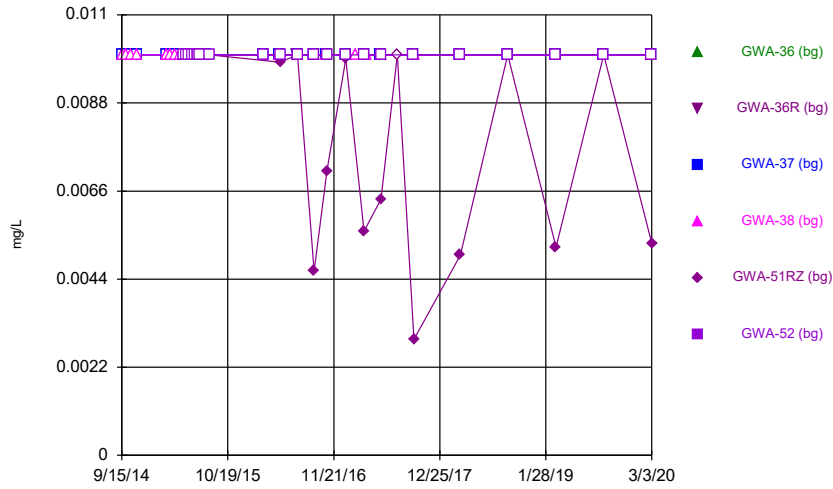
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.22 (D)					
3/4/2016		7.24				
3/7/2016			6.81	7.7	7.68	
3/8/2016						7.62
5/5/2016			6	7.85		
5/9/2016					7.66	7.72
5/10/2016	7.08	7.18				
7/13/2016	7.05		6.67	7.85		
7/14/2016		7.21			7.74	7.69
9/12/2016				7.87	7.76	7.52
9/13/2016		7.17	6.67			
9/15/2016	7.51					
10/31/2016			6.15		7.74	7.51
11/1/2016		7.18		7.78		
11/2/2016	7.1					
1/11/2017	7.16	7.11		7.75	7.69	
1/12/2017			6.79			7.46
3/20/2017	7.19			7.86		
3/21/2017		7.24			7.54	
3/22/2017						7.77
3/23/2017			7.04			
5/22/2017				7.51	7.79	7.5
5/23/2017	6.97	7.21	7.02			
9/19/2017						7.49
9/20/2017					7.77	
9/21/2017	7.28			7.84		
9/22/2017		7.2				
9/25/2017			6.81			
12/29/2017						7.75 (Y)
3/14/2018	7.11	7.16	7.06	7.51	7.74	7.62
9/7/2018	7.08			7.69		
9/10/2018					7.69	7.84
9/11/2018		7.13	6.97			
3/11/2019	7.21					
3/12/2019		7.28	7.06	7.76	7.6	7.63
9/6/2019				7.65		7.75 (D)
9/9/2019	7.13		6.71		7.73	
9/10/2019		7.17				
3/4/2020	7.37				7.65	
3/5/2020		7.3		7.77		7.6
3/6/2020			7.01			

Time Series

Constituent: pH (pH units) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

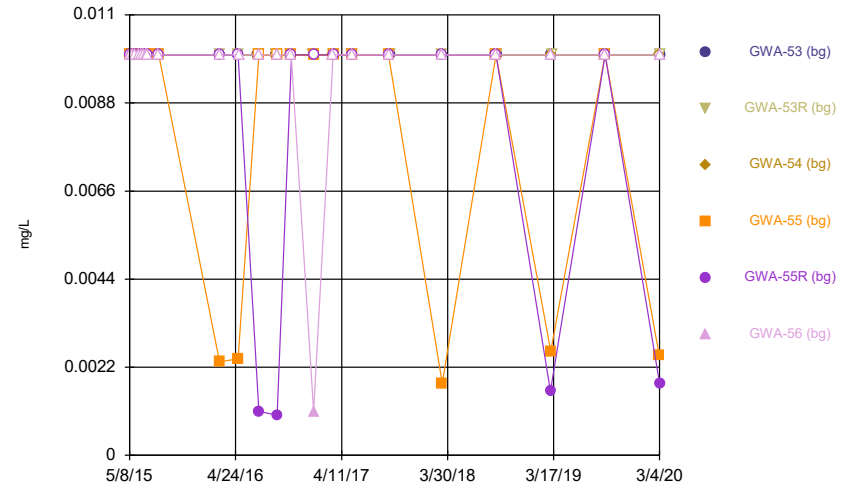
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				6.95	
3/7/2016		7.61			
3/8/2016	6.86				7.4
3/9/2016			7.54		
5/4/2016					7.6
5/5/2016		7.79		7.58	
5/6/2016			7.5		
5/9/2016	7.08				
7/12/2016				7.58	
7/14/2016		7.76			
7/15/2016	7.2		7.33		
7/18/2016					7.61
9/9/2016	7.17				
9/12/2016		7.6			
9/13/2016				7.62	7.56
9/14/2016			7.47		
10/27/2016	7.14	7.73		7.64	7.69
11/1/2016			7.31		
1/12/2017	7.06				
1/13/2017		7.68		7.28	7.62
1/25/2017			7.28		
3/16/2017					7.43
3/20/2017		7.6		7.23	
3/21/2017	7.14				
3/22/2017			7.43		
5/19/2017				7.15	7.32
5/23/2017	6.9	7.81			
5/24/2017			7.07		
9/19/2017	7.18	7.46		7.54	7.62
9/21/2017			7.24		
1/9/2018		7.39 (Y)			
3/13/2018		7.49		7.02	7.43
3/14/2018	6.99		7.4		
9/7/2018		7.53			
9/10/2018	6.96				
9/11/2018			7.78	7.4	7.69
3/8/2019				7.65	7.69
3/11/2019	6.95	7.51			
3/12/2019			7.42		
9/5/2019		7.09		7.4 (D)	7.59
9/6/2019	7.04		7.32		
3/3/2020	7.1	7.15		7.55	7.56
3/5/2020			7.24		

Time Series



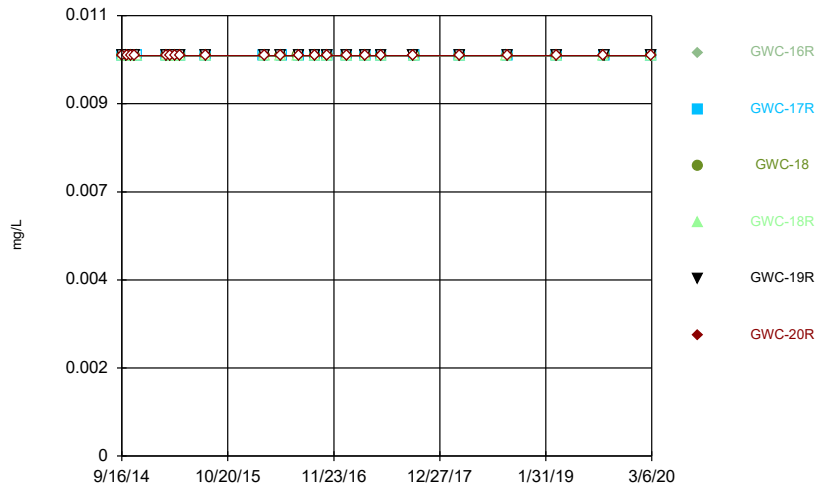
Constituent: Selenium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



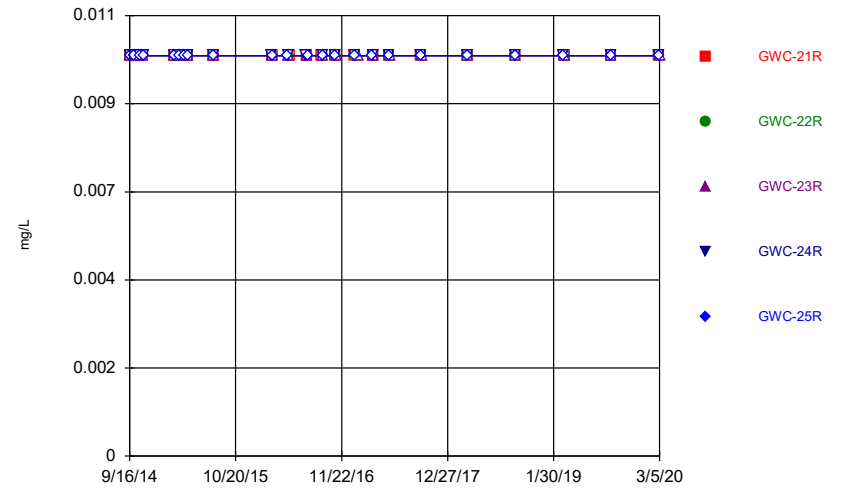
Constituent: Selenium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Selenium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Selenium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	<0.01				
9/16/2014			<0.01	<0.01		
10/3/2014	<0.01	<0.01	<0.01	<0.01		
10/20/2014	<0.01	<0.01	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	<0.01		
3/2/2015	<0.01	<0.01	<0.01	<0.01		
3/17/2015	<0.01	<0.01	<0.01	<0.01		
4/5/2015	<0.01	<0.01	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	<0.01				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					<0.01	<0.01
5/25/2015					<0.01	<0.01
6/8/2015					<0.01	<0.01
6/18/2015					<0.01	<0.01
6/24/2015					<0.01	<0.01
6/30/2015					<0.01	<0.01
7/6/2015					<0.01	<0.01
7/28/2015	<0.01	<0.01	<0.01	<0.01		
8/12/2015					<0.01	<0.01
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
5/2/2016	<0.01	<0.01				
5/3/2016			<0.01	<0.01		
5/4/2016					0.00982 (JD)	<0.01
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	0.01 (D)	
7/8/2016			<0.01			<0.01
9/7/2016	<0.01	<0.01	<0.01			
9/8/2016				<0.01	0.0046 (JD)	<0.01
10/25/2016	<0.01	<0.01	<0.01	<0.01		
10/26/2016					0.0071 (JD)	<0.01
1/5/2017	<0.01	<0.01				
1/6/2017			<0.01		0.0099 (JD)	<0.01
2/9/2017				<0.01		
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				0.0056 (JD)	<0.01
3/23/2017				<0.01		
5/16/2017		<0.01	<0.01			
5/17/2017	<0.01			<0.01		<0.01
5/18/2017					0.0064 (JD)	
7/19/2017					<0.01 (D)	
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	0.0029 (JD)	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	0.005 (J)	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.0052 (J)	
9/4/2019	<0.01	<0.01	<0.01	<0.01 (D)	0.01	<0.01
3/2/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/3/2020					0.0053 (J)	

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		<0.01	<0.01	<0.01	
5/19/2015						<0.01
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	<0.01	<0.01
6/17/2015	<0.01		<0.01	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	<0.01	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	<0.01	<0.01	<0.01			
8/13/2015				<0.01	<0.01	<0.01
3/2/2016	<0.01	<0.01	<0.01	0.00234 (J)		
3/3/2016					<0.01	<0.01
5/3/2016	<0.01	<0.01		0.00241 (J)	<0.01	
5/4/2016			<0.01			
5/9/2016						<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	0.0011 (J)	<0.01
9/7/2016		<0.01				
9/8/2016	<0.01		<0.01			
9/9/2016				<0.01	0.001 (J)	<0.01
10/26/2016	<0.01		<0.01	<0.01		<0.01
10/27/2016		<0.01			<0.01	
1/6/2017		<0.01				
1/9/2017	<0.01		<0.01	<0.01	<0.01	0.0011 (J)
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
5/18/2017			<0.01	<0.01	<0.01	<0.01
5/19/2017	<0.01	<0.01				
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				0.0018 (J)	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		0.0016 (J)	<0.01
3/8/2019	<0.01			0.0026 (J)		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	0.0025 (J)		
3/4/2020	<0.01	<0.01			0.0018 (J)	<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.01					
9/17/2014		<0.01	<0.01	<0.01	<0.01	
9/18/2014						<0.01
10/4/2014	<0.01	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	<0.01	<0.01	<0.01	<0.01	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	<0.01		<0.01		
3/3/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	<0.01
4/6/2015	<0.01	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
5/5/2016			<0.01	<0.01		
5/9/2016					<0.01	<0.01
5/10/2016	<0.01	<0.01				
7/13/2016	<0.01		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
9/12/2016				<0.01	<0.01	<0.01
9/13/2016			<0.01			
9/14/2016		<0.01				
9/15/2016	<0.01					
10/31/2016			<0.01		<0.01	<0.01
11/1/2016		<0.01		<0.01		
11/2/2016	<0.01					
1/11/2017	<0.01	<0.01		<0.01	<0.01	
1/12/2017			<0.01			<0.01
3/20/2017	<0.01			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
5/22/2017				<0.01	<0.01	<0.01
5/23/2017	<0.01	<0.01	<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01 (D)
9/9/2019	<0.01		<0.01		<0.01	
9/10/2019		<0.01				
3/4/2020	<0.01				<0.01	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

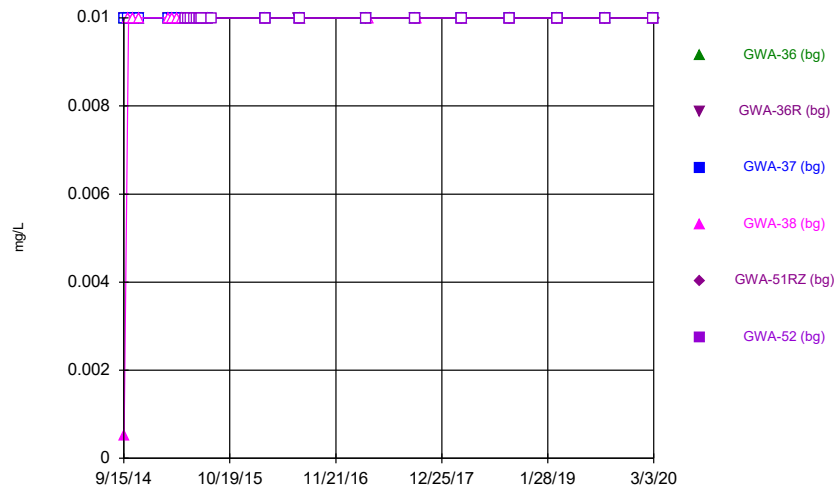
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.01	<0.01
9/18/2014	<0.01	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	<0.01	<0.01	<0.01		
10/22/2014	<0.01	<0.01	<0.01		
10/23/2014				<0.01	<0.01
11/5/2014	<0.01	<0.01	<0.01		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	<0.01	<0.01	<0.01	<0.01	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	<0.01	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	<0.01				<0.01
3/9/2016			<0.01		
5/4/2016					<0.01
5/5/2016		<0.01		<0.01	
5/6/2016			<0.01		
5/9/2016	<0.01				
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	<0.01		<0.01		
7/18/2016					<0.01
9/9/2016	<0.01				
9/12/2016		<0.01			
9/13/2016				<0.01	<0.01
9/14/2016			<0.01		
10/27/2016	<0.01	<0.01		<0.01	<0.01
11/1/2016			<0.01		
1/12/2017	<0.01				
1/13/2017		<0.01		<0.01	<0.01
1/25/2017			<0.01		
3/16/2017					<0.01
3/20/2017		<0.01		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
5/19/2017				<0.01	<0.01
5/23/2017	<0.01	<0.01			
5/24/2017			<0.01		
9/19/2017	<0.01	<0.01		<0.01	<0.01
9/21/2017			<0.01		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	<0.01		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

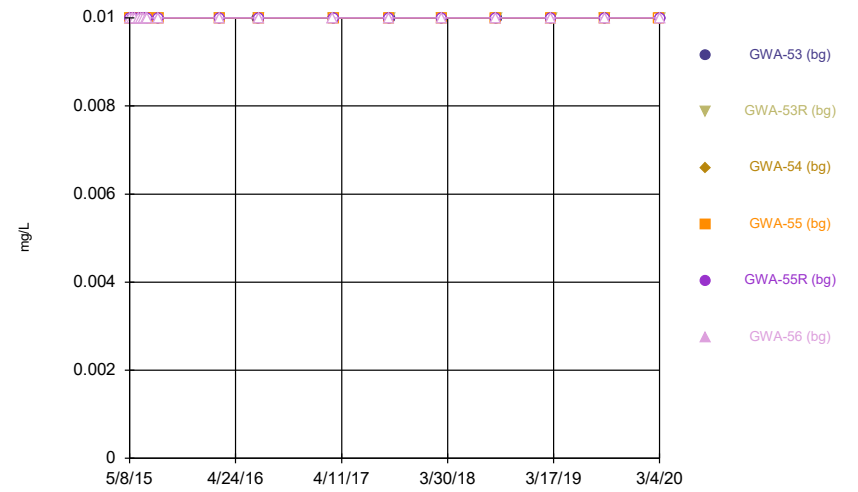
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		<0.01		<0.01 (D)	<0.01
9/6/2019	<0.01		<0.01		
3/3/2020	<0.01	<0.01		<0.01	<0.01
3/5/2020			<0.01		

Time Series



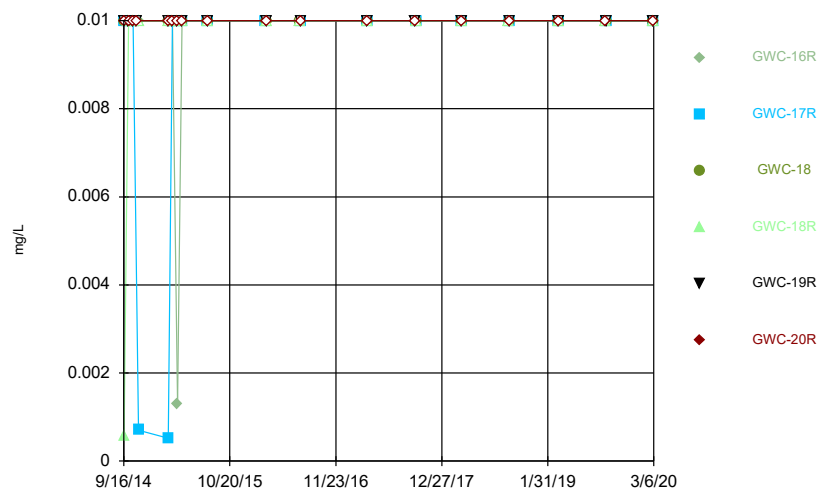
Constituent: Silver Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



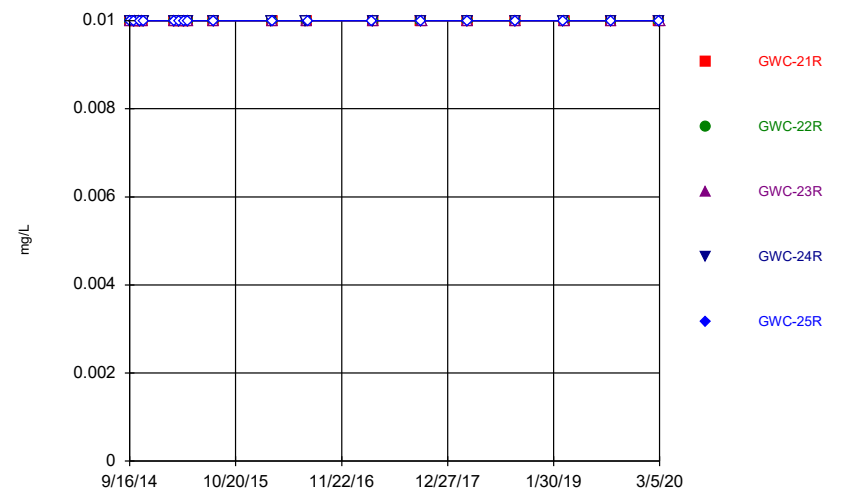
Constituent: Silver Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Silver Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Silver Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Silver (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	<0.01				
9/16/2014			<0.01	0.00051 (J)		
10/3/2014	<0.01	<0.01	<0.01	<0.01		
10/20/2014	<0.01	<0.01	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	<0.01		
3/2/2015	<0.01	<0.01	<0.01	<0.01		
3/17/2015	<0.01	<0.01	<0.01	<0.01		
4/5/2015	<0.01	<0.01	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	<0.01				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					<0.01	<0.01
5/25/2015					<0.01	<0.01
6/8/2015					<0.01	<0.01
6/18/2015					<0.01	<0.01
6/24/2015					<0.01	<0.01
6/30/2015					<0.01	<0.01
7/6/2015					<0.01	<0.01
7/28/2015	<0.01	<0.01	<0.01	<0.01		
8/12/2015					<0.01	<0.01
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	<0.01 (D)	
7/8/2016			<0.01			<0.01
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				<0.01 (D)	<0.01
3/23/2017				<0.01		
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	<0.01 (D)	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	<0.01	<0.01	<0.01	<0.01 (D)	<0.01	<0.01
3/2/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/3/2020					<0.01	

Time Series

Constituent: Silver (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		<0.01	<0.01	<0.01	
5/19/2015						<0.01
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	<0.01	<0.01
6/17/2015	<0.01		<0.01	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	<0.01	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	<0.01	<0.01	<0.01			
8/13/2015				<0.01	<0.01	<0.01
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	<0.01	<0.01
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	<0.01		
3/4/2020	<0.01	<0.01			<0.01	<0.01

Time Series

Constituent: Silver (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

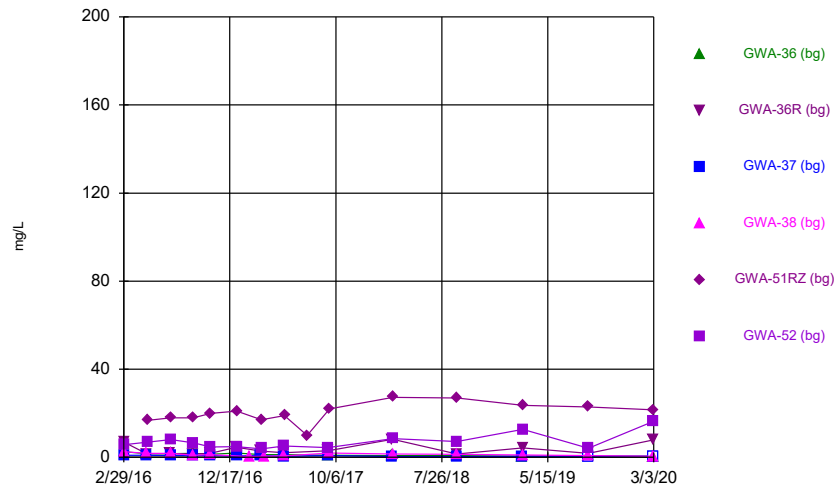
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.01					
9/17/2014		<0.01	<0.01	0.00058 (J)	<0.01	
9/18/2014						<0.01
10/4/2014	<0.01	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	<0.01	<0.01	<0.01	<0.01	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	0.0007 (J)		<0.01		
3/3/2015	<0.01	0.00052 (J)	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	<0.01
4/6/2015	0.0013 (J)	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	<0.01		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	<0.01			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01 (D)
9/9/2019	<0.01		<0.01		<0.01	
9/10/2019		<0.01				
3/4/2020	<0.01				<0.01	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			

Time Series

Constituent: Silver (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

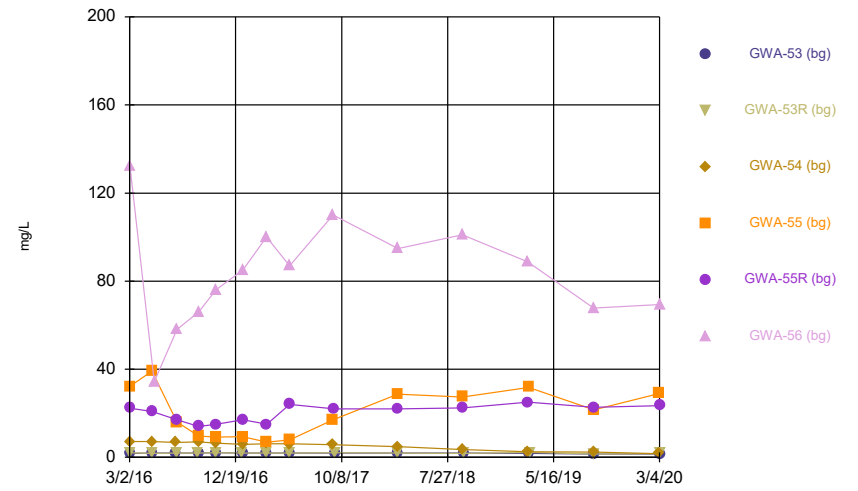
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.01	<0.01
9/18/2014	<0.01	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	<0.01	<0.01	<0.01		
10/22/2014	<0.01	<0.01	<0.01		
10/23/2014				<0.01	<0.01
11/5/2014	<0.01	<0.01	<0.01		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	<0.01	<0.01	<0.01	<0.01	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	<0.01	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	<0.01				<0.01
3/9/2016			<0.01		
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	<0.01		<0.01		
7/18/2016					<0.01
3/16/2017					<0.01
3/20/2017		<0.01		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
9/19/2017	<0.01	<0.01		<0.01	<0.01
9/21/2017			<0.01		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	<0.01		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		<0.01		<0.01 (D)	<0.01
9/6/2019	<0.01		<0.01		
3/3/2020	<0.01	<0.01		<0.01	<0.01
3/5/2020			<0.01		

Time Series



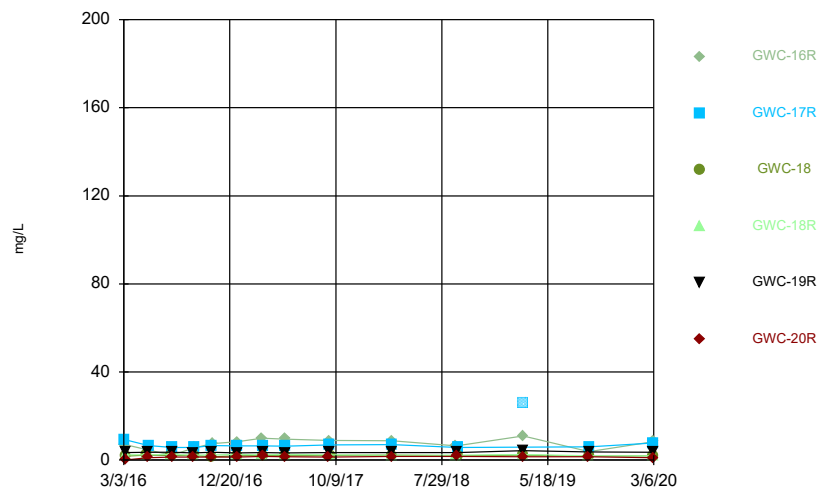
Constituent: Sulfate Analysis Run 4/16/2020 1:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



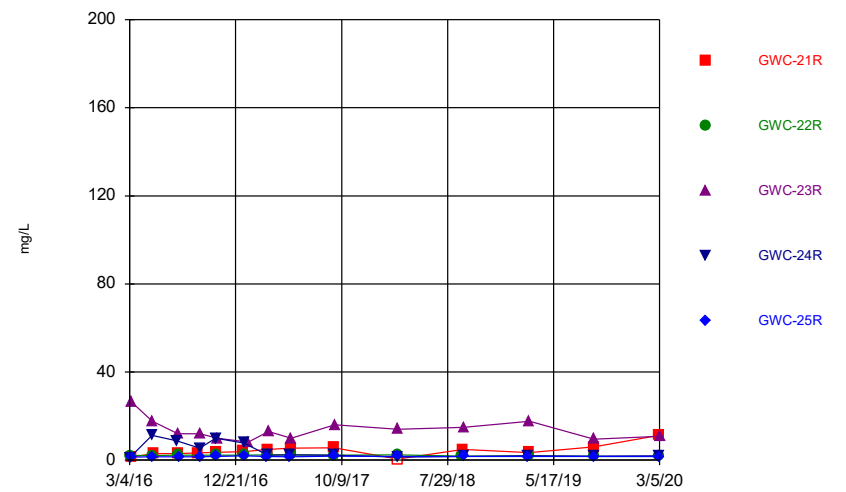
Constituent: Sulfate Analysis Run 4/16/2020 1:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Sulfate Analysis Run 4/16/2020 1:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Sulfate Analysis Run 4/16/2020 1:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						5.7396
3/1/2016	2.5655	6.8929	0.9427 (J)			
3/2/2016				2.5669		
5/2/2016	1.64	1.6				
5/3/2016			0.87 (J)	1.83		
5/4/2016					16.8 (D)	6.87
7/6/2016		1.7				
7/7/2016	1.7			1.8	18 (D)	
7/8/2016			0.79 (J)			8.1
9/7/2016	1.8	1.5	0.85 (J)			
9/8/2016				0.97 (J)	18 (D)	6.6
10/25/2016	1.4	1.8	0.74 (J)	1.2		
10/26/2016					20 (D)	4.7
1/5/2017	1.9 (J)	4.6				
1/6/2017			0.64 (J)		21 (D)	4.8
2/9/2017				0.31 (J)		
3/14/2017		2.8	0.77 (J)			
3/15/2017	1.2				17 (D)	3.9
3/23/2017				0.54 (J)		
5/16/2017		2.1	0.48 (J)			
5/17/2017	1.2			0.66 (J)		5.2
5/18/2017					19 (D)	
7/19/2017					10 (D)	
9/15/2017	1	3	0.76 (J)			4.4
9/19/2017				2	22 (D)	
3/12/2018	0.77 (J)	8.2	0.42 (J)			
3/13/2018				1.5	27.3	8.5
9/6/2018	0.8 (J)	1.5	0.37 (J)	1.4		7.2
9/7/2018					26.9	
3/6/2019	0.45 (J)		0.46 (J)			
3/7/2019		4.3		1.1		12.7
3/8/2019					23.6	
9/4/2019	0.68 (J)	1.8	<1	0.83 (J)	22.9	4.2
3/2/2020	<1	7.9	<1	0.5 (J)		16.3
3/3/2020					21.5	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	1.799	2.0407	7.1892	32.178		
3/3/2016					22.316	132.4615
5/3/2016	1.94	1.86		39.2	20.8	
5/4/2016			7.22			
5/9/2016						34.3
7/8/2016	2		6.7			
7/11/2016		2		16	17	58
9/7/2016		1.9				
9/8/2016	1.9		7			
9/9/2016				9.7	14	66
10/26/2016	2.1		6.4	9.2		76
10/27/2016		2.1			15	
1/6/2017		2				
1/9/2017	1.9		5.9	9.3	17	85
3/15/2017			6.2			100
3/16/2017	2	1.9		6.9	15	
5/18/2017			6.1	7.9	24	87
5/19/2017	2	1.9				
9/15/2017			5.8	17		110
9/18/2017					22	
9/19/2017	2	2.1				
3/12/2018				28.7	22	
3/13/2018	1.9	1.9	4.9			94.8
9/6/2018			3.5			
9/7/2018				27.4	22.4	101
9/11/2018	1.9	1.8				
3/7/2019			2.6		25	88.7
3/8/2019	1.8			31.8		
3/12/2019		2.2				
9/4/2019						67.8
9/5/2019	1.5	1.5	2.4	21.5	22.7	
3/3/2020			1.7	29		
3/4/2020	1.5	1.7			23.4	69.4

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

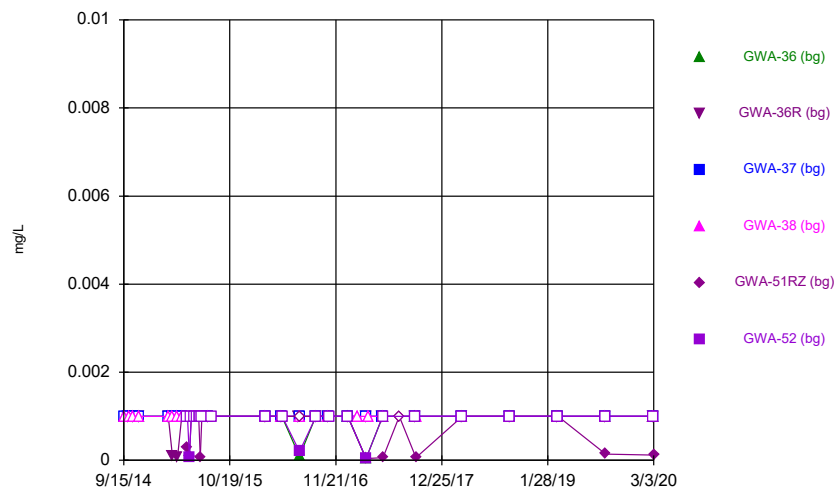
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.1809 (D)					
3/4/2016		9.3417				
3/7/2016			1.7468	2.3258	3.3556	
3/8/2016						0.0196 (J)
5/5/2016			2.27	2.42		
5/9/2016					3.62	1.15
5/10/2016	4.6	6.65				
7/13/2016	2.3		2.1	2.5		
7/14/2016		5.7			3.5	1.3
9/12/2016				2.3	3.3	1.3
9/13/2016			2.1			
9/14/2016		5.8				
9/15/2016	5.6					
10/31/2016			1.5		3.5	1.4
11/1/2016		6.6				
11/2/2016	7.5					
1/11/2017	8.3	6.5		2.5	3.2	
1/12/2017			1.9			1.4
3/20/2017	10			2.4		
3/21/2017		6.4			3.4	
3/22/2017						1.7
3/23/2017			2.1			
5/22/2017				2.5	3.3	1.5
5/23/2017	9.5	6.3	2			
9/19/2017						1.3
9/20/2017					3.4	
9/21/2017	8.9			2.4		
9/22/2017		6.9				
9/25/2017			2.1			
3/14/2018	8.8	7	2.2	2.2	3.4	1.6
9/7/2018	6.5			2.2		
9/10/2018					3.4	1.7
9/11/2018		5.8	2			
3/11/2019	11					
3/12/2019		25.9 (O)	2.3	2.6	4.3	1.5
9/6/2019				2		1.45 (D)
9/9/2019	3.8		1.8		3.7	
9/10/2019		6				
3/4/2020	8.4				3.6	
3/5/2020		7.7		1.9		1.1
3/6/2020			2			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

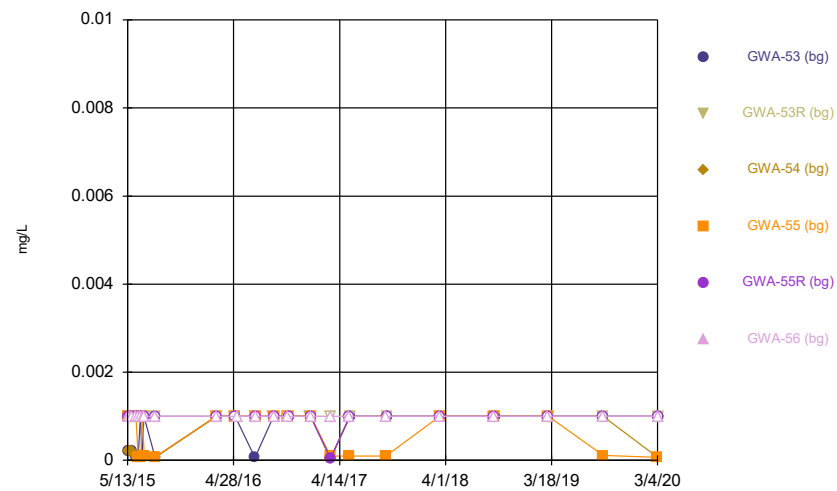
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				1.0816	
3/7/2016		2.1008			
3/8/2016	1.3858				1.3157
3/9/2016			26.4322		
5/4/2016					1.46
5/5/2016		2.16		11.3	
5/6/2016			17.7		
5/9/2016	2.94				
7/12/2016				8.8	
7/14/2016		2.3			
7/15/2016	3		12		
7/18/2016					1.5
9/9/2016	3.2				
9/13/2016				5.4	1.5
9/14/2016			12		
10/27/2016	3.6	2.3		9.9	1.7
11/1/2016			10		
1/12/2017	3.9				
1/13/2017		2.3		7.8	2
1/25/2017			8.2		
3/16/2017					1.6
3/20/2017		2.4		2.3	
3/21/2017	4.8				
3/22/2017			13		
5/19/2017				2.4	1.5
5/23/2017	5.4	2.4			
5/24/2017			10		
9/19/2017	5.6	2.2		2.3	1.8
9/21/2017			16		
3/13/2018		2.4		1.4	1.7
3/14/2018	<1		14		
9/7/2018		1.8			
9/10/2018	4.8				
9/11/2018			14.9	1.7	1.7
3/8/2019				1.9	1.6
3/11/2019	3.4	2			
3/12/2019			17.7		
9/5/2019		1.7		1.8 (D)	1.6
9/6/2019	6		9.5		
3/3/2020	11.3	1.7		2	1.6
3/5/2020			10.8		

Time Series



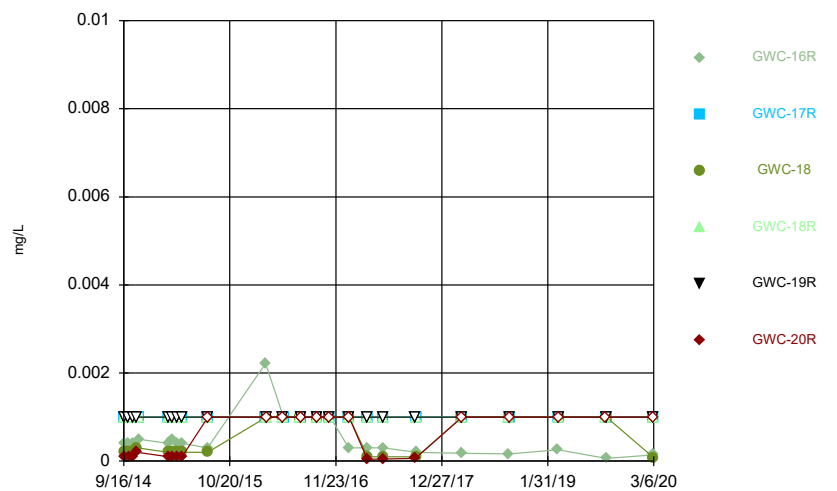
Constituent: Thallium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



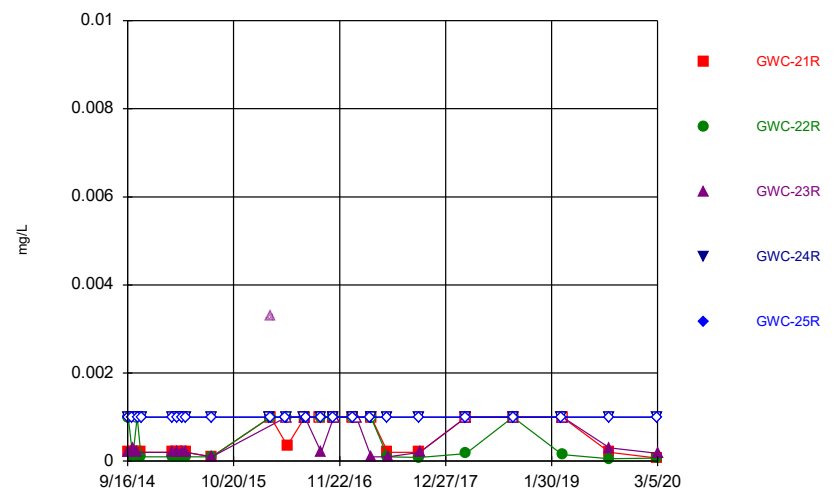
Constituent: Thallium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Thallium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Thallium Analysis Run 4/16/2020 1:13 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.001					
9/16/2014			<0.001	<0.001		
10/3/2014	<0.001	<0.001	<0.001			
10/6/2014				<0.001		
10/20/2014	<0.001	<0.001	<0.001	<0.001		
11/10/2014	<0.001	<0.001	<0.001	<0.001		
3/2/2015	<0.001	<0.001	<0.001	<0.001		
3/17/2015	<0.001	0.0001 (J)	<0.001	<0.001		
4/5/2015	<0.001	7E-05 (J)	<0.001			
4/6/2015				<0.001		
4/21/2015	<0.001	<0.001				
4/22/2015			<0.001	<0.001		
5/13/2015					0.0003 (J)	<0.001
5/20/2015					9E-05 (J)	6E-05 (J)
5/27/2015					<0.001	<0.001
6/8/2015					<0.001	<0.001
6/18/2015					<0.001	<0.001
6/24/2015					<0.001	<0.001
6/30/2015					6E-05 (J)	<0.001
7/6/2015					<0.001	<0.001
7/28/2015	<0.001	<0.001	<0.001	<0.001		
8/12/2015					<0.001	<0.001
2/29/2016						<0.001
3/1/2016	<0.001	<0.001	<0.001			
3/2/2016				<0.001		
5/2/2016	<0.001	<0.001				
5/3/2016			<0.001	<0.001		
5/4/2016					<0.001 (D)	<0.001
7/6/2016		<0.001				
7/7/2016	9E-05 (J)			<0.001	<0.001 (D)	
7/8/2016			<0.001			0.0002 (J)
9/7/2016	<0.001	<0.001	<0.001			
9/8/2016				<0.001	<0.001 (D)	<0.001
10/25/2016	<0.001	<0.001	<0.001	<0.001		
10/26/2016					<0.001 (D)	<0.001
1/5/2017	<0.001	<0.001				
1/6/2017			<0.001		<0.001 (D)	<0.001
2/9/2017				<0.001		
3/14/2017		<0.001	<0.001			
3/15/2017	4E-05 (J)				4E-05 (JD)	4E-05 (J)
3/23/2017				<0.001		
5/16/2017		<0.001	<0.001			
5/17/2017	<0.001			<0.001		<0.001
5/18/2017					6E-05 (JD)	
7/19/2017					<0.001 (D)	
9/15/2017	<0.001	<0.001	<0.001			<0.001
9/19/2017				<0.001	6E-05 (JD)	
3/12/2018	<0.001	<0.001	<0.001			
3/13/2018				<0.001	<0.001	<0.001
9/6/2018	<0.001	<0.001	<0.001	<0.001		<0.001
9/7/2018					<0.001	
3/6/2019	<0.001		<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/7/2019		<0.001		<0.001		<0.001
3/8/2019					<0.001	
9/4/2019	<0.001	<0.001	<0.001	<0.001 (D)	0.00014 (J)	<0.001
3/2/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/3/2020					0.00012 (J)	

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/13/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/20/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/27/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
6/8/2015	9E-05 (J)	<0.001 (D)				
6/9/2015			0.0001 (J)	<0.001	<0.001	<0.001
6/17/2015	7E-05 (J)		0.0001 (J)	8E-05 (J)	<0.001	<0.001
6/24/2015	<0.001	<0.001			<0.001	
6/25/2015			0.0001 (J)	7E-05 (J)		<0.001
6/30/2015	9E-05 (J)	<0.001				
7/1/2015			0.0001 (J)	<0.001	<0.001	<0.001
7/6/2015	<0.001	<0.001				
7/7/2015			9E-05 (J)	0.0001 (J)	<0.001	<0.001
8/12/2015	7E-05 (J)	<0.001	7E-05 (J)			
8/13/2015				8E-05 (J)	<0.001	<0.001
3/2/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	<0.001
5/3/2016	<0.001	<0.001		<0.001	<0.001	
5/4/2016			<0.001			
5/9/2016						<0.001
7/8/2016	6E-05 (J)		<0.001			
7/11/2016		<0.001		<0.001	<0.001	<0.001
9/7/2016		<0.001				
9/8/2016	<0.001		<0.001			
9/9/2016				<0.001	<0.001	<0.001
10/26/2016	<0.001		<0.001	<0.001		<0.001
10/27/2016		<0.001			<0.001	
1/6/2017		<0.001				
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001
3/15/2017			4E-05 (J)			<0.001
3/16/2017	4E-05 (J)	<0.001		0.0001 (J)	5E-05 (J)	
5/18/2017			<0.001	0.0001 (J)	<0.001	<0.001
5/19/2017	<0.001	<0.001				
9/15/2017			<0.001	0.0001 (J)		<0.001
9/18/2017					<0.001	
9/19/2017	<0.001	<0.001				
3/12/2018				<0.001	<0.001	
3/13/2018	<0.001	<0.001	<0.001			<0.001
9/6/2018			<0.001			
9/7/2018				<0.001	<0.001	<0.001
9/11/2018	<0.001	<0.001				
3/7/2019			<0.001		<0.001	<0.001
3/8/2019	<0.001			<0.001		
3/12/2019		<0.001				
9/4/2019						<0.001
9/5/2019	<0.001	<0.001	<0.001	0.00011 (J)	<0.001	
3/3/2020			7.9E-05 (J)	6.5E-05 (J)		
3/4/2020	<0.001	<0.001			<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0004 (J)					
9/17/2014		<0.001	0.0002 (J)	<0.001	<0.001	
9/18/2014						0.0001 (J)
10/4/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/5/2014						0.0001 (J)
10/21/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/22/2014						0.0001 (J)
11/5/2014			0.0003 (J)		<0.001	0.0002 (J)
11/11/2014	0.0005 (J)	<0.001		<0.001		
3/3/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
3/4/2015						0.0001 (J)
3/18/2015	0.0005 (J)	<0.001	0.0002 (J)	<0.001		
3/19/2015					<0.001	0.0001 (J)
4/6/2015	0.0004 (J)	<0.001				
4/7/2015			0.0002 (J)	<0.001	<0.001	0.0001 (J)
4/23/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001		
4/24/2015					<0.001	0.0001 (J)
7/29/2015	0.0003 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
7/30/2015						<0.001
3/3/2016	0.002222 (D)					
3/4/2016		<0.001				
3/7/2016			<0.001	<0.001	<0.001	
3/8/2016						<0.001
5/5/2016			<0.001	<0.001		
5/9/2016					<0.001	<0.001
5/10/2016	<0.001	<0.001				
7/13/2016	<0.001		<0.001	<0.001		
7/14/2016		<0.001			<0.001	<0.001
9/12/2016				<0.001	<0.001	<0.001
9/13/2016			<0.001			
9/14/2016		<0.001				
9/15/2016	<0.001					
10/31/2016			<0.001		<0.001	<0.001
11/1/2016		<0.001		<0.001		
11/2/2016	<0.001					
1/11/2017	0.0003 (J)	<0.001		<0.001	<0.001	
1/12/2017			<0.001			<0.001
3/20/2017	0.0003 (J)			<0.001		
3/21/2017		<0.001			<0.001	
3/22/2017						4E-05 (J)
3/23/2017			0.0001 (J)			
5/22/2017				<0.001	<0.001	5E-05 (J)
5/23/2017	0.0003 (J)	<0.001	0.0001 (J)			
9/19/2017						6E-05 (J)
9/20/2017					<0.001	
9/21/2017	0.0002 (J)			<0.001		
9/22/2017		<0.001				
9/25/2017			0.0001 (J)			
3/14/2018	0.00018 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
9/7/2018	0.00016 (J)			<0.001		
9/10/2018					<0.001	<0.001
9/11/2018		<0.001	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.00026 (J)					
3/12/2019		<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2019				<0.001		<0.001 (D)
9/9/2019	6E-05 (J)		<0.001		<0.001	
9/10/2019		<0.001				
3/4/2020	0.00014 (J)				<0.001	
3/5/2020		<0.001		<0.001		<0.001
3/6/2020			7.6E-05 (J)			

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

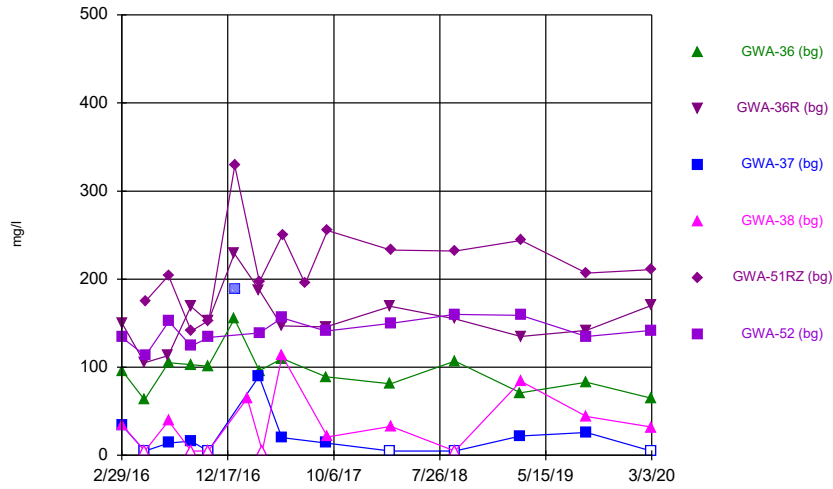
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.001	<0.001
9/18/2014	0.0002 (J)	<0.001	0.0002 (J)		
10/4/2014				<0.001	<0.001
10/5/2014	0.0002 (J)	0.0001 (J)	0.0003 (J)		
10/22/2014	0.0002 (J)	<0.001	0.0002 (J)		
10/23/2014				<0.001	<0.001
11/5/2014	0.0002 (J)	0.0001 (J)			
11/10/2014				<0.001	<0.001
3/4/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001	<0.001
3/19/2015	0.0002 (J)	0.0001 (J)			
3/20/2015			0.0002 (J)	<0.001	<0.001
4/8/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001	
4/9/2015					<0.001
4/23/2015			0.0002 (J)	<0.001	<0.001
4/24/2015	0.0002 (J)	0.0001 (J)			
7/30/2015	0.0001 (J)	0.0001 (J)	0.0001 (J)	<0.001	<0.001
3/4/2016				<0.001	
3/7/2016		<0.001			
3/8/2016	<0.001				<0.001
3/9/2016			0.0033 (Jo)		
5/4/2016					<0.001
5/5/2016		<0.001		<0.001	
5/6/2016			<0.001		
5/9/2016	0.000353 (J)				
7/12/2016				<0.001	
7/14/2016		<0.001			
7/15/2016	<0.001		<0.001		
7/18/2016					<0.001
9/9/2016	<0.001				
9/12/2016		<0.001			
9/13/2016				<0.001	<0.001
9/14/2016			0.0002 (J)		
10/27/2016	<0.001	<0.001		<0.001	<0.001
11/1/2016			<0.001		
1/12/2017	<0.001				
1/13/2017		<0.001		<0.001	<0.001
1/25/2017			<0.001		
3/16/2017					<0.001
3/20/2017		<0.001		<0.001	
3/21/2017	<0.001				
3/22/2017			0.0001 (J)		
5/19/2017				<0.001	<0.001
5/23/2017	0.0002 (J)	0.0001 (J)			
5/24/2017			0.0001 (J)		
9/19/2017	0.0002 (J)	8E-05 (J)		<0.001	<0.001
9/21/2017			0.0002 (J)		
3/13/2018		0.00017 (J)		<0.001	<0.001
3/14/2018	<0.001		<0.001		
9/7/2018		<0.001			
9/10/2018	<0.001				
9/11/2018			<0.001	<0.001	<0.001
3/8/2019				<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

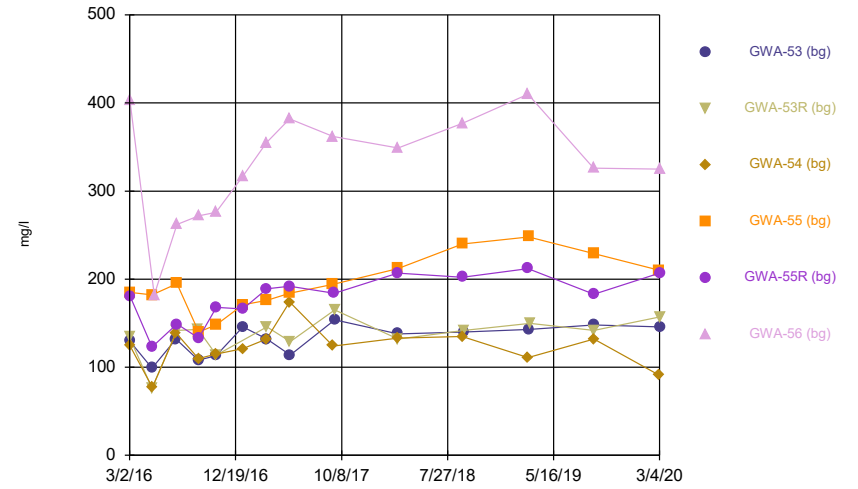
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.001	0.00015 (J)			
3/12/2019			<0.001		
9/5/2019		5.5E-05 (J)		<0.001 (D)	<0.001
9/6/2019	0.0002 (J)		0.0003 (J)		
3/3/2020	7.1E-05 (J)	7.2E-05 (J)		<0.001	<0.001
3/5/2020			0.00018 (J)		

Time Series



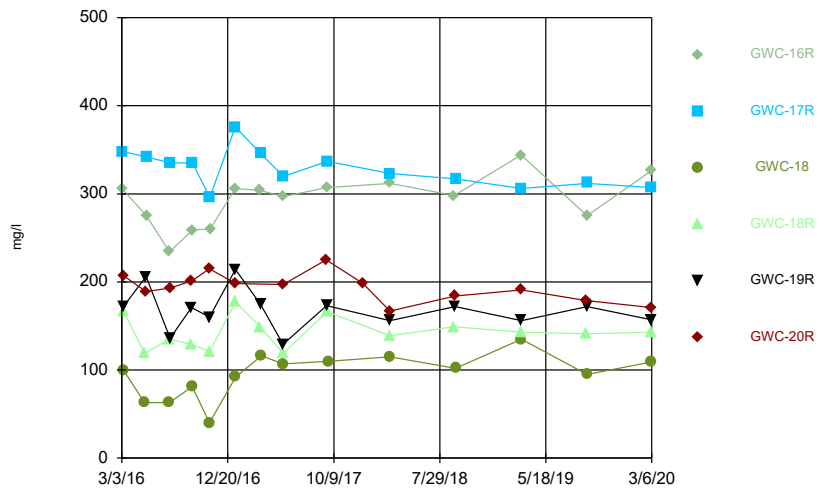
Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



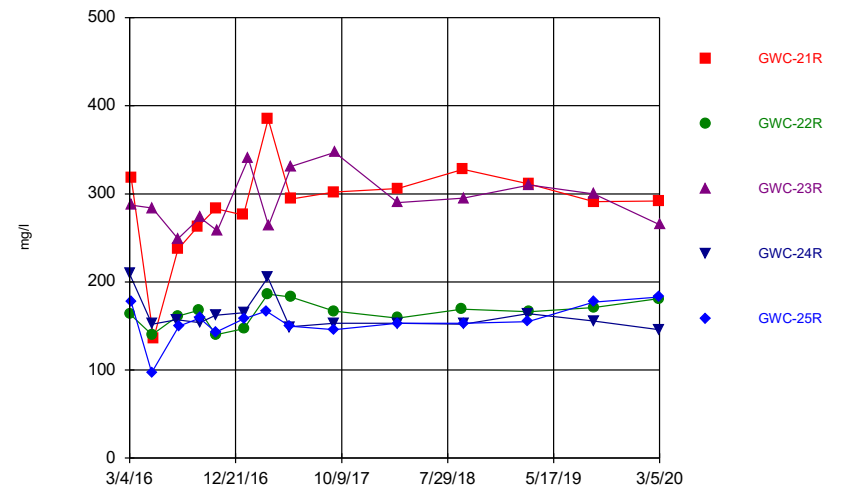
Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:14 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						134 (D)
3/1/2016	96 (D)	150 (D)	34 (D)			
3/2/2016				34 (D)		
5/2/2016	63 (D)	105 (D)				
5/3/2016			<10 (D)	<10 (D)		
5/4/2016					175 (D)	113 (D)
7/6/2016		113 (D)				
7/7/2016	105 (D)			39 (D)	204 (D)	
7/8/2016			14 (JD)			152 (D)
9/7/2016	103 (D)	169 (D)	16 (JD)			
9/8/2016				<10 (D)	141 (D)	124 (D)
10/25/2016	101 (D)	152 (D)	<10 (D)	<10 (D)		
10/26/2016					153 (D)	134 (D)
1/5/2017	155	229				
1/6/2017			189 (O)		329 (D)	
2/9/2017				65		
3/14/2017		188	90			
3/15/2017	96				197 (D)	139
3/23/2017				<10		
5/16/2017		147	20 (J)			
5/17/2017	110			113		156
5/18/2017					250 (D)	
7/19/2017					195 (D)	
9/15/2017	89	146	14 (J)			141
9/19/2017				21 (J)	255 (D)	
3/12/2018	81	169	<10			
3/13/2018				33	233	150
9/6/2018	107	155	<10	<10		160
9/7/2018					232	
3/6/2019	71 (J)		22 (J)			
3/7/2019		135		84		159
3/8/2019					244	
9/4/2019	83	142	26	44	207	135
3/2/2020	65	170	<10	32		142
3/3/2020					211	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:14 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	130 (D)	134 (D)	125 (D)	185 (D)		
3/3/2016					181 (D)	403 (D)
5/3/2016	99 (D)	76 (D)		182 (D)	123 (D)	
5/4/2016			77 (D)			
5/9/2016						182 (D)
7/8/2016	132 (D)		139 (D)			
7/11/2016		142 (D)		195 (D)	149 (D)	262 (D)
9/7/2016		143 (D)				
9/8/2016	108 (D)		110 (D)			
9/9/2016				140 (D)	133 (D)	272 (D)
10/26/2016	113 (D)		115 (D)	148 (D)		276 (D)
10/27/2016		114 (D)			168 (D)	
1/9/2017	146		121	171	166	317
3/15/2017			132			355
3/16/2017	132	146		176	189	
5/18/2017			174	184	192	382
5/19/2017	114	129				
9/15/2017			124	194		362
9/18/2017					184	
9/19/2017	154	165				
3/12/2018				212	207	
3/13/2018	138	132	133			349
9/6/2018			135			
9/7/2018				240	202	377
9/11/2018	140	142				
3/7/2019			111		212	410
3/8/2019	143			248		
3/12/2019		150 (J)				
9/4/2019						326
9/5/2019	148	142	132	229	183	
3/3/2020			91	210		
3/4/2020	146	157			207	325

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:14 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	306 (D)					
3/4/2016		348 (D)				
3/7/2016			100 (D)	167 (D)	172 (D)	
3/8/2016						207 (D)
5/5/2016			63 (D)	119 (D)		
5/9/2016					206 (D)	189 (D)
5/10/2016	275 (D)	342 (D)				
7/13/2016	234 (D)		63 (D)	135 (D)		
7/14/2016		335 (D)			136 (D)	193 (D)
9/12/2016				129 (D)	171 (D)	201 (D)
9/13/2016			81 (D)			
9/14/2016		335 (D)				
9/15/2016	259 (D)					
10/31/2016			40 (D)		160 (D)	215 (D)
11/1/2016		296 (D)		121 (D)		
11/2/2016	260 (D)					
1/11/2017	306	376		177	214	
1/12/2017			92			198
3/20/2017	304			149		
3/21/2017		346			175 (J)	
3/23/2017			116			
5/22/2017				119	129	197
5/23/2017	297	320	107			
9/19/2017						225
9/20/2017					173	
9/21/2017	307			166		
9/22/2017		337				
9/25/2017			110			
12/29/2017						198 (Y)
3/14/2018	312	323	115	139	156	167
9/7/2018	298			149		
9/10/2018					172	184
9/11/2018		317	102			
3/11/2019	344					
3/12/2019		306	135 (J)	143 (J)	156 (J)	191 (J)
9/6/2019				141		179
9/9/2019	275		95		172	
9/10/2019		312				
3/4/2020	326				157	
3/5/2020		307		143		171
3/6/2020			109			

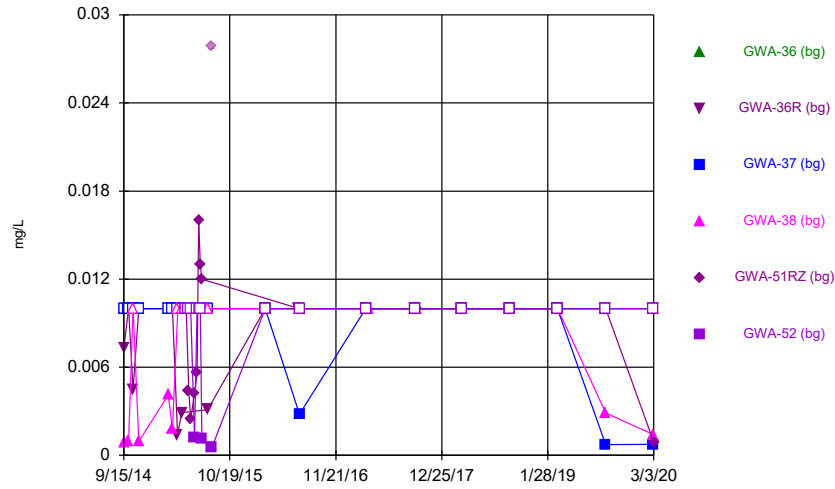
Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:14 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

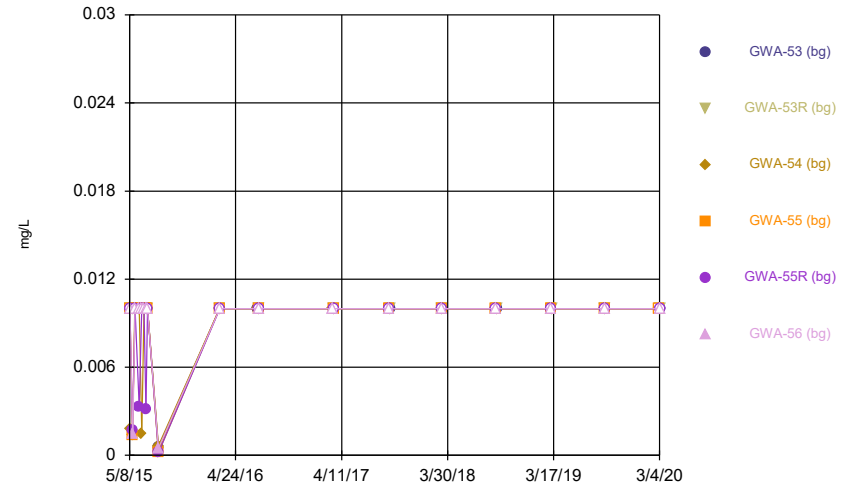
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				209 (D)	
3/7/2016		163 (D)			
3/8/2016	318 (D)				177 (D)
3/9/2016			287 (D)		
5/4/2016					97 (D)
5/5/2016		140 (D)		152 (D)	
5/6/2016			284 (D)		
5/9/2016	136 (D)				
7/12/2016				157 (D)	
7/14/2016		161 (D)			
7/15/2016	237 (D)		249 (D)		
7/18/2016					150 (D)
9/9/2016	263 (D)				
9/12/2016		168 (D)			
9/13/2016				154 (D)	159 (D)
9/14/2016			273 (D)		
10/27/2016	283 (D)	140 (D)		162 (D)	143 (D)
11/1/2016			258 (D)		
1/12/2017	276				
1/13/2017		147 (J)		165	158
1/25/2017			340		
3/16/2017					167
3/20/2017		186		205 (J)	
3/21/2017	385				
3/22/2017			264		
5/19/2017				149	150
5/23/2017	294	183			
5/24/2017			331		
9/19/2017	302	167		153	146
9/21/2017			347		
3/13/2018		159		153	153
3/14/2018	306		290		
9/7/2018		169			
9/10/2018	328				
9/11/2018			295	152	153
3/8/2019				164	155
3/11/2019	311	166			
3/12/2019			310 (J)		
9/5/2019		171		155.5 (D)	177
9/6/2019	291		300		
3/3/2020	292	181		146	183
3/5/2020			265		

Time Series



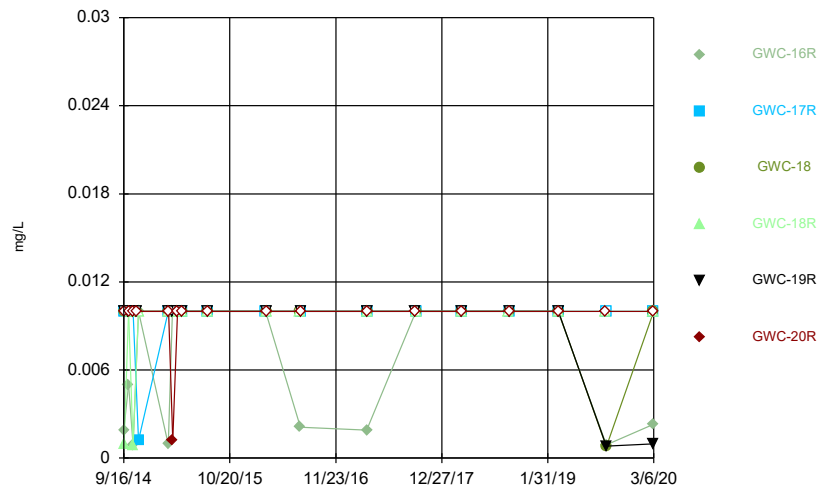
Constituent: Vanadium Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



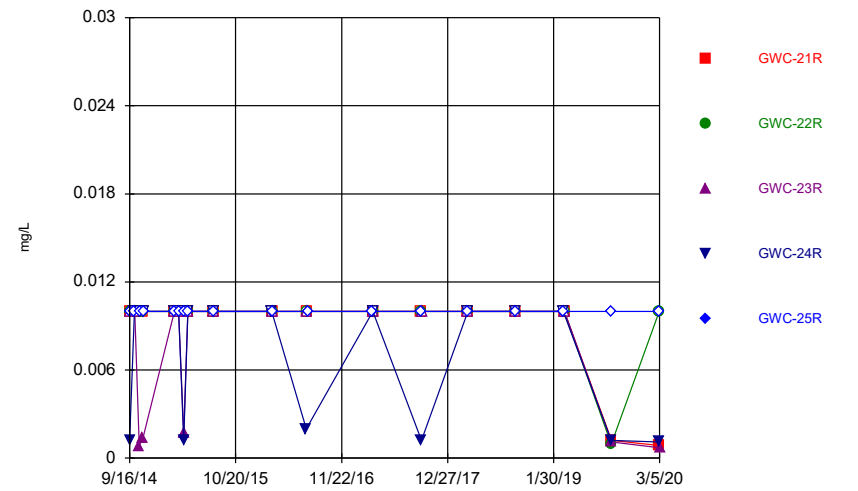
Constituent: Vanadium Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Vanadium Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Vanadium Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.0073				
9/16/2014			<0.01	0.00085 (J)		
10/3/2014	<0.01	<0.01	<0.01	0.00096 (J)		
10/20/2014	<0.01	0.0045 (J)	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	0.00095 (J)		
3/2/2015	<0.01	<0.01	<0.01	0.0041 (J)		
3/17/2015	<0.01	<0.01	<0.01	0.0018 (J)		
4/5/2015	<0.01	0.0014 (J)	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	0.0029 (J)				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					0.0044 (J)	<0.01
5/25/2015					0.0025 (J)	<0.01
6/8/2015					0.0042 (J)	0.0012 (J)
6/18/2015					0.0056	<0.01
6/24/2015					0.016	<0.01
6/30/2015					0.013	<0.01
7/6/2015					0.012	0.0011 (J)
7/28/2015	<0.01	0.0031 (J)	<0.01	<0.01		
8/12/2015					0.0279 (o)	0.000519 (J)
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	<0.01 (D)	
7/8/2016			0.0028 (J)			<0.01
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				<0.01 (D)	<0.01
3/23/2017				<0.01		
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	<0.01 (D)	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	<0.01	<0.01	0.00073 (J)	0.00288 (D)	<0.01	<0.01
3/2/2020	<0.01	<0.01	0.00074 (J)	0.0014 (J)		<0.01
3/3/2020					0.00091 (J)	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		0.0018 (J)	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		0.0014 (J)	0.0014 (J)	0.0017 (J)	
5/19/2015						0.0015 (J)
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	0.0033 (J)	<0.01
6/17/2015	<0.01		0.0015 (J)	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0031 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	0.000525 (J)	0.000172 (J)	0.000656 (J)	0.000246 (J)	0.000187 (J)	0.000497 (J)
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	<0.01	<0.01
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	<0.01		
3/4/2020	<0.01	<0.01			<0.01	<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

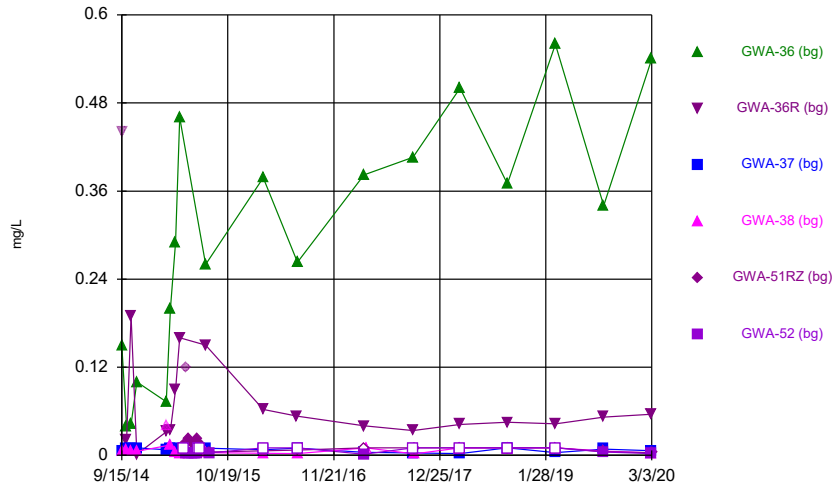
	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0019 (J)					
9/17/2014		<0.01	<0.01	0.001 (J)	<0.01	
9/18/2014						<0.01
10/4/2014	0.005	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	0.00089 (J)	<0.01	<0.01	0.00084 (J)	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	0.0012 (J)		<0.01		
3/3/2015	0.00093 (J)	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	0.0012 (J)
4/6/2015	<0.01	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	0.0021 (J)		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	0.0019 (J)			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01 (D)
9/9/2019	0.00091 (J)		0.00078 (J)		0.00081 (J)	
9/10/2019		<0.01				
3/4/2020	0.0023 (J)				0.00096 (J)	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

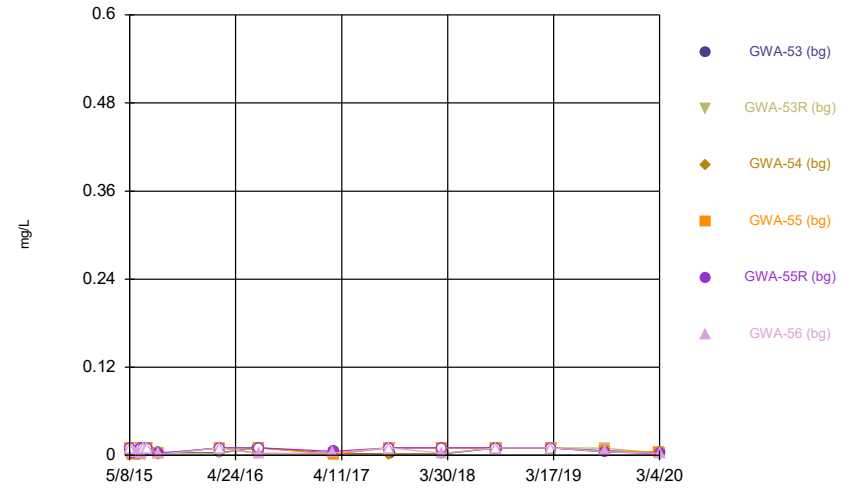
	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				0.0012 (J)	<0.01
9/18/2014	<0.01	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	<0.01	<0.01	<0.01		
10/22/2014	<0.01	<0.01	0.00083 (J)		
10/23/2014				<0.01	<0.01
11/5/2014	<0.01	<0.01	0.0014 (J)		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	<0.01	<0.01	0.0017 (J)	0.0012 (J)	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	<0.01	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	<0.01				<0.01
3/9/2016			<0.01		
7/12/2016				0.002 (J)	
7/14/2016		<0.01			
7/15/2016	<0.01		<0.01		
7/18/2016					<0.01
3/16/2017					<0.01
3/20/2017		<0.01		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
9/19/2017	<0.01	<0.01		0.0012 (J)	<0.01
9/21/2017			<0.01		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	<0.01		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		0.00094 (J)		0.0012 (JD)	<0.01
9/6/2019	0.0012 (J)		0.0011 (J)		
3/3/2020	0.00085 (J)	<0.01		0.0011 (J)	<0.01
3/5/2020			0.00071 (J)		

Time Series



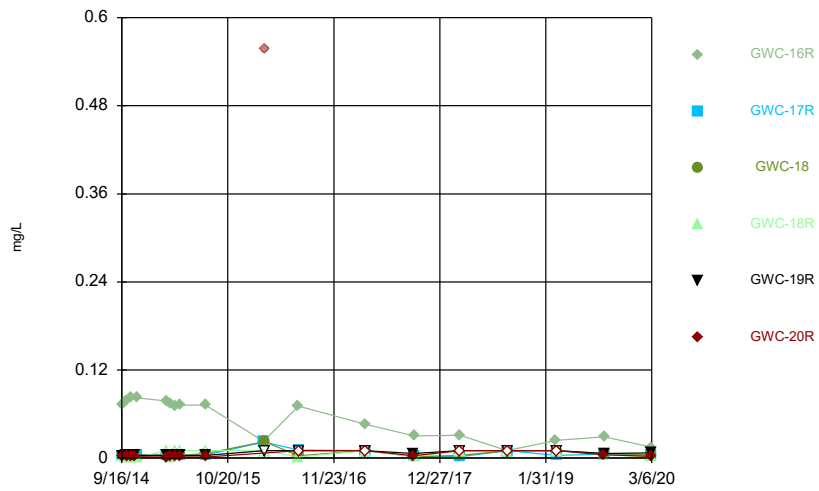
Constituent: Zinc Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



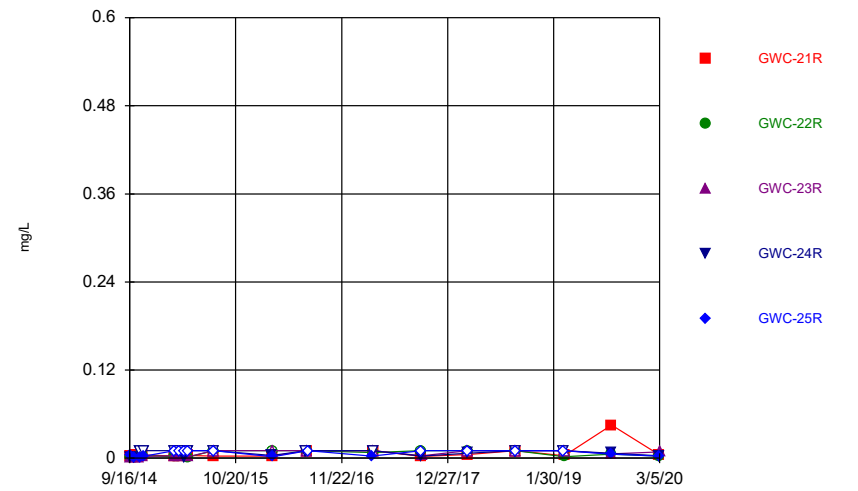
Constituent: Zinc Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Zinc Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series



Constituent: Zinc Analysis Run 4/16/2020 1:14 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.15	0.44 (o)				
9/16/2014			0.0062	0.0054		
10/3/2014	0.04	0.021	0.0085	0.007		
10/20/2014	0.042	0.19	0.0087	0.0052		
11/10/2014	0.1	0.0014 (J)	0.01	0.0054		
3/2/2015	0.073	0.032	0.0077	0.041 (o)		
3/17/2015	0.2	0.034	0.0086	0.014		
4/5/2015	0.29	0.089	0.0098			
4/6/2015				0.0044		
4/21/2015	0.46	0.16				
4/22/2015			0.0049	0.0023 (J)		
5/8/2015					0.015	<0.01
5/17/2015					0.12 (o)	0.0017 (J)
5/25/2015					0.023	0.003
6/8/2015					0.016	0.0025
6/18/2015					0.016	0.0019 (J)
6/24/2015					0.022	0.0028
6/30/2015					0.017	<0.01
7/6/2015					0.01	<0.01
7/28/2015	0.26	0.15	0.0099	0.0035		
8/12/2015					0.0047 (BJ)	0.0033 (BJ)
2/29/2016						<0.01
3/1/2016	0.378	0.0627	0.00756 (J)			
3/2/2016				0.0029 (J)		
7/6/2016		0.0532				
7/7/2016	0.263			0.0023 (J)	0.0073 (JD)	
7/8/2016			0.0098 (J)			<0.01
3/14/2017		0.0401	0.0042 (J)			
3/15/2017	0.382				<0.01 (D)	0.0013 (J)
3/23/2017				<0.01		
9/15/2017	0.406	0.0338	0.0032 (J)			<0.01
9/19/2017				0.002 (J)	<0.01 (D)	
3/12/2018	0.5	0.042	0.0025 (J)			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	0.37	0.045	<0.01	<0.01		<0.01
9/7/2018				<0.01		
3/6/2019	0.56		0.0035 (J)			
3/7/2019		0.043		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	0.34	0.052	0.0086 (J)	0.00565 (JD)	0.0051 (J)	0.0045 (J)
3/2/2020	0.54	0.056	0.0063 (J)	0.0032 (J)		0.0024 (J)
3/3/2020					0.0035 (J)	

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.0022 (J)				
5/9/2015	0.0023 (J)		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	0.0034		0.0019 (J)	0.0016 (J)	0.0033	
5/19/2015						0.0045
5/25/2015	<0.01	0.0022 (J)	0.0022 (J)			
5/26/2015				<0.01	0.0022 (J)	0.0038
6/8/2015	0.0015 (J)	0.0015 (J)				
6/9/2015			0.0015 (J)	0.0026	0.0082	0.0037
6/17/2015	<0.01		0.0035	0.0017 (J)	<0.01	0.0018 (J)
6/18/2015		0.0026				
6/24/2015	<0.01	0.0015 (J)				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	0.0015 (J)				
7/1/2015			<0.01	<0.01	0.0064	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	0.004 (BJ)	0.0031 (BJ)	0.0015 (BJ)			
8/13/2015				0.002 (BJ)	0.0028 (BJ)	0.0017 (BJ)
3/2/2016	0.0035 (J)	0.0028 (J)	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		0.0029 (J)			
7/11/2016		<0.01		<0.01	<0.01	0.0018 (J)
3/15/2017			0.0024 (J)			0.0034 (J)
3/16/2017	0.0029 (J)	0.0018 (J)		0.0015 (J)	0.0054 (J)	
9/15/2017			0.0016 (J)	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	0.0018 (J)	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	0.0021 (J)	<0.01	0.0023 (J)			0.0029 (J)
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						0.0052 (J)
9/5/2019	0.0064 (J)	0.0098 (J)	0.0048 (J)	0.0056 (J)	0.0045 (J)	
3/3/2020			0.0024 (J)	0.005 (J)		
3/4/2020	0.004 (J)	0.0027 (J)			0.0028 (J)	0.0029 (J)

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 1:14 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.072					
9/17/2014		0.0028	0.0035	0.002 (J)	0.0026	
9/18/2014						0.0023 (J)
10/4/2014	0.078	0.0038	0.0032	0.001 (J)	0.0034	
10/5/2014						0.0025
10/21/2014	0.083	0.0043	0.0028	0.00082 (J)	0.0037	
10/22/2014						0.0018 (J)
11/5/2014			0.004		0.0035	0.0019 (J)
11/11/2014	0.082	0.0041		0.00076 (J)		
3/3/2015	0.078	0.0042	0.004	<0.01	0.0036	
3/4/2015						0.0016 (J)
3/18/2015	0.075	0.0046	0.0024 (J)	0.0016 (J)		
3/19/2015					0.0035	0.0025
4/6/2015	0.071	0.0043				
4/7/2015			0.0055	<0.01	0.0039	0.0026
4/23/2015	0.072	0.0047	0.0035	<0.01		
4/24/2015					0.0034	0.0017 (J)
7/29/2015	0.072	0.0039	0.0062	<0.01	0.0038	
7/30/2015						0.0017 (J)
3/3/2016	0.0227 (D)					
3/4/2016		0.0219 (J)				
3/7/2016			0.0225 (J)	<0.01	<0.01	
3/8/2016						0.557 (o)
7/13/2016	0.0709		0.0031 (J)	0.0013 (J)		
7/14/2016		0.0111			<0.01	<0.01
3/20/2017	0.0465			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						0.0031 (J)
9/20/2017					0.0062 (J)	
9/21/2017	0.0302			0.0018 (J)		
9/22/2017		0.0023 (J)				
9/25/2017			0.002 (J)			
3/14/2018	0.031	0.0021 (J)	0.0036 (J)	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	0.024					
3/12/2019		0.0038 (J)	<0.01	<0.01	<0.01	<0.01
9/6/2019				0.0046 (J)		0.00455 (JD)
9/9/2019	0.029		0.0063 (J)		0.0062 (J)	
9/10/2019		0.0055 (J)				
3/4/2020	0.015				0.0072 (J)	
3/5/2020		0.0035 (J)		0.0024 (J)		0.0023 (J)
3/6/2020			0.0045 (J)			

Time Series

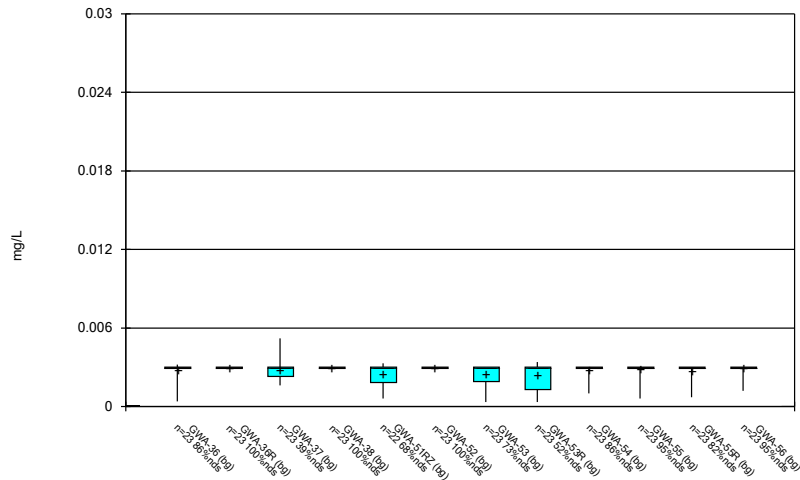
Constituent: Zinc (mg/L) Analysis Run 4/16/2020 1:14 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				0.00054 (J)	0.004
9/18/2014	0.0033	0.00089 (J)	0.0013 (J)		
10/4/2014				0.0008 (J)	0.0011 (J)
10/5/2014	0.0036	0.0016 (J)	0.00085 (J)		
10/22/2014	0.0038	0.0017 (J)	0.0014 (J)		
10/23/2014				<0.01	0.0011 (J)
11/5/2014	0.0046	0.0038	0.0022 (J)		
11/10/2014				<0.01	0.0028
3/4/2015	0.0029	0.002 (J)	0.0033	<0.01	<0.01
3/19/2015	0.0027	0.0025			
3/20/2015			0.002 (J)	<0.01	<0.01
4/8/2015	0.0039	0.0018 (J)	0.004	0.0016 (J)	
4/9/2015					<0.01
4/23/2015			0.002 (J)	<0.01	<0.01
4/24/2015	0.0035	0.0016 (J)			
7/30/2015	0.0027	<0.01	<0.01	<0.01	<0.01
3/4/2016				0.00374 (J)	
3/7/2016		<0.01			
3/8/2016	0.00273 (J)				0.00198 (J)
3/9/2016			<0.01		
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	<0.01		<0.01		
7/18/2016					<0.01
3/16/2017					0.0026 (J)
3/20/2017		0.0075 (J)		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
9/19/2017	0.0022 (J)	<0.01		0.0028 (J)	<0.01
9/21/2017			0.0034 (J)		
3/13/2018		<0.01		0.0068 (J)	<0.01
3/14/2018	0.0049 (J)		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01
3/11/2019	0.0034 (J)	0.0021 (J)			
3/12/2019			<0.01		
9/5/2019		0.0053 (J)		0.00675 (JD)	0.0053 (J)
9/6/2019	0.045		0.0059 (J)		
3/3/2020	0.0044 (J)	0.0029 (J)		0.0033 (J)	0.0027 (J)
3/5/2020			0.0084 (J)		

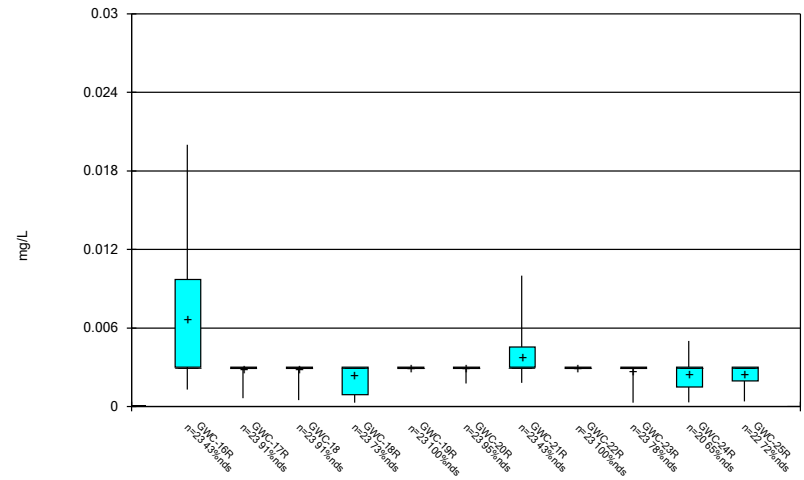
FIGURE B.

Box & Whiskers Plot



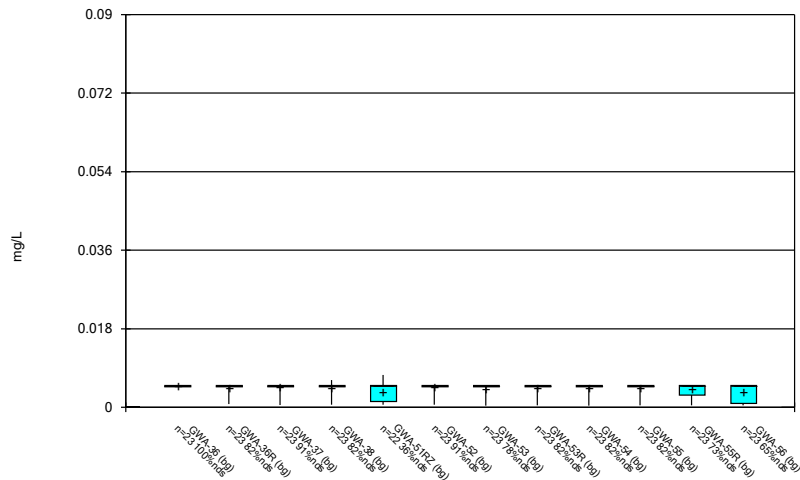
Constituent: Antimony Analysis Run 4/16/2020 1:15 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



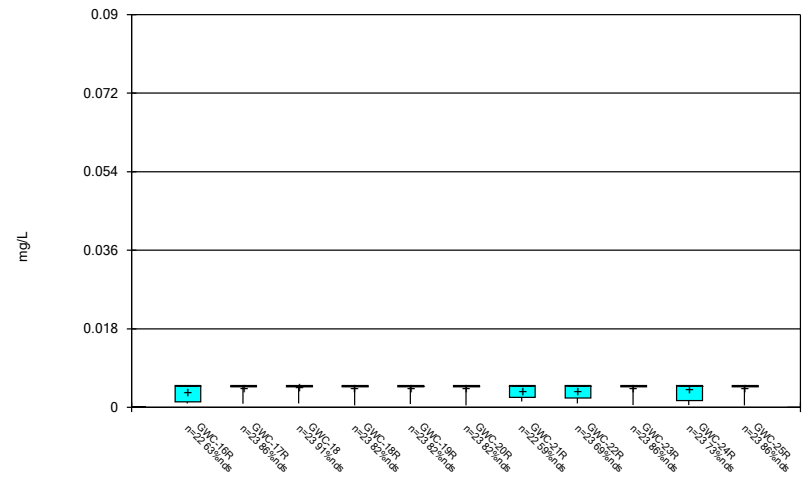
Constituent: Antimony Analysis Run 4/16/2020 1:15 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



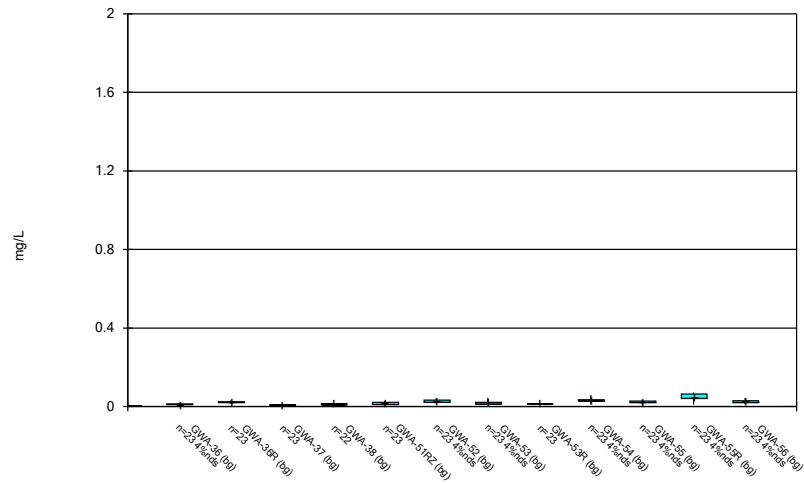
Constituent: Arsenic Analysis Run 4/16/2020 1:15 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



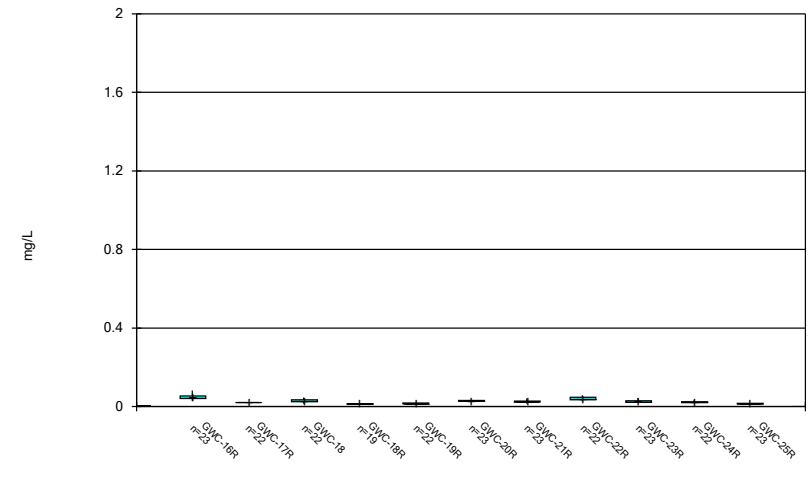
Constituent: Arsenic Analysis Run 4/16/2020 1:15 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



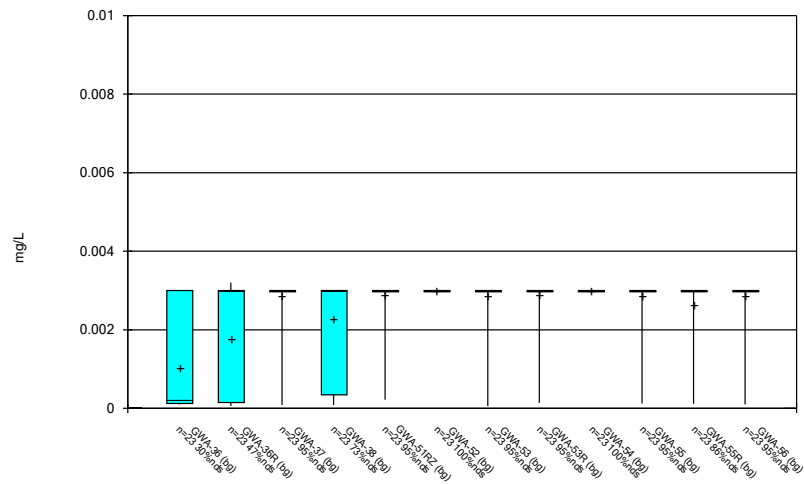
Constituent: Barium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



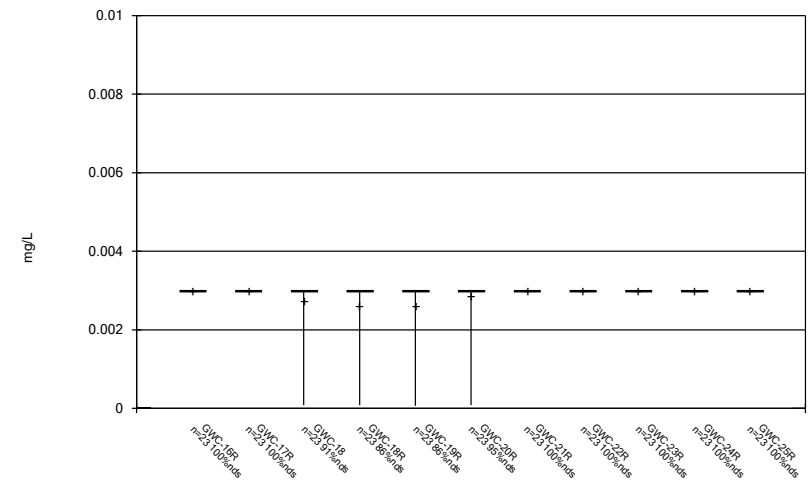
Constituent: Barium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



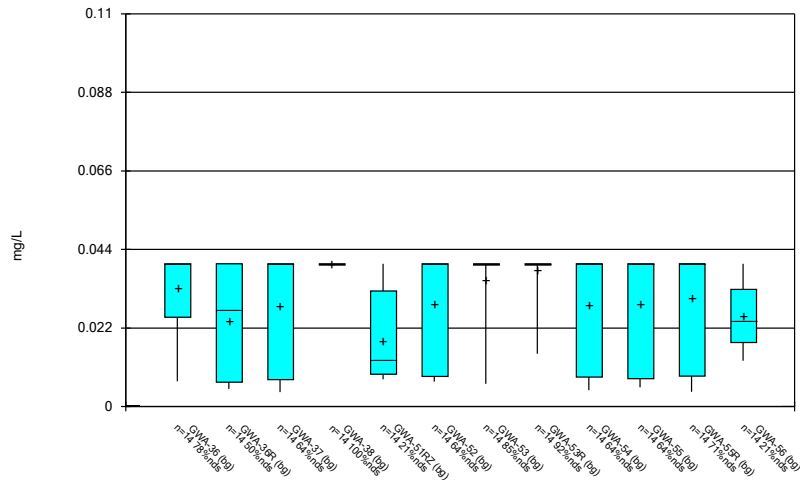
Constituent: Beryllium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



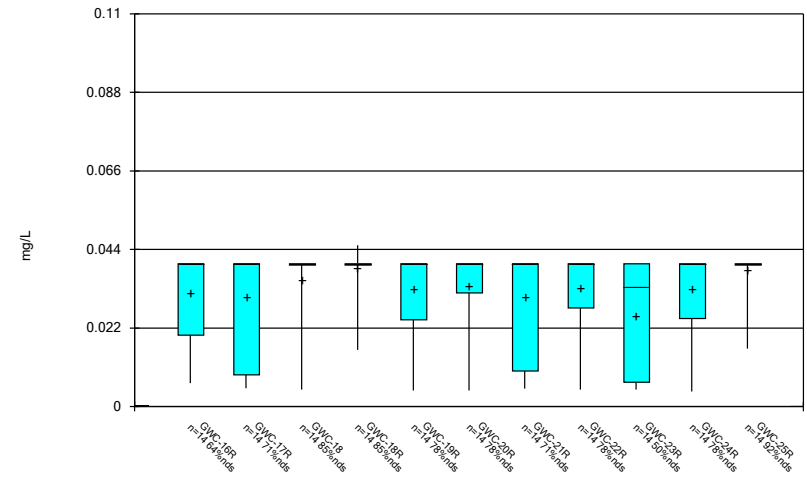
Constituent: Beryllium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



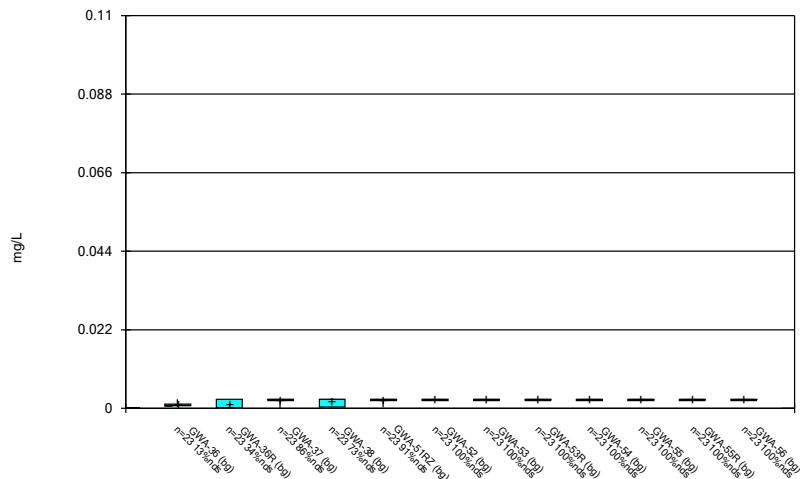
Constituent: Boron Analysis Run 4/16/2020 1:15 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



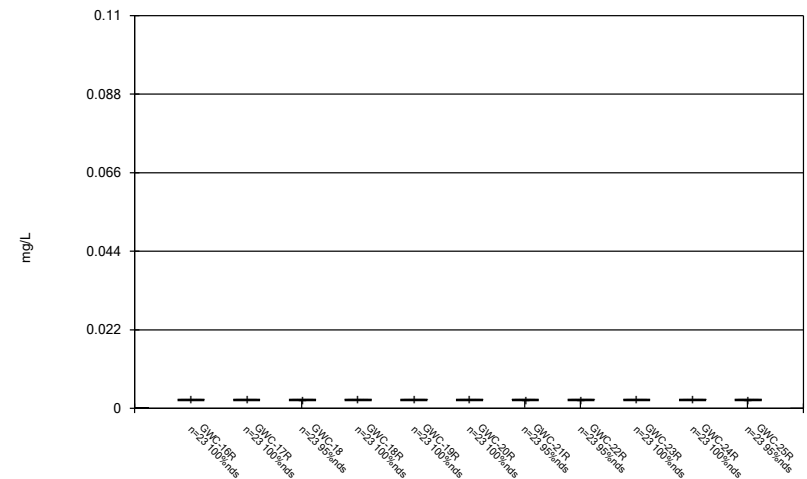
Constituent: Boron Analysis Run 4/16/2020 1:15 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



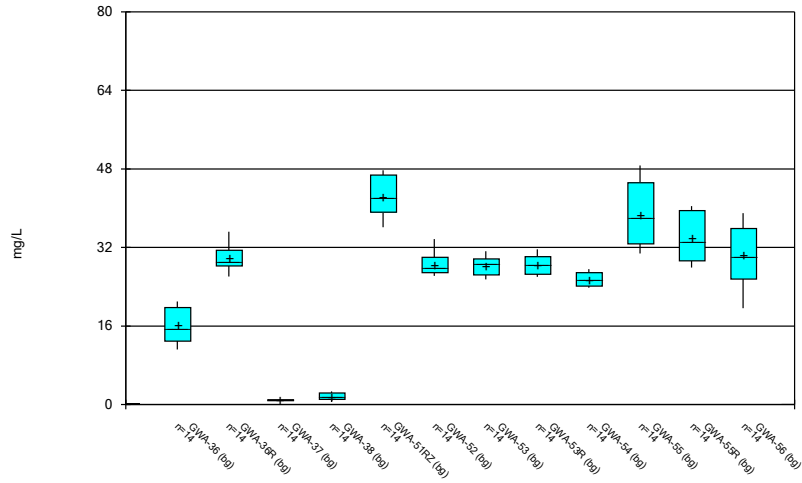
Constituent: Cadmium Analysis Run 4/16/2020 1:15 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



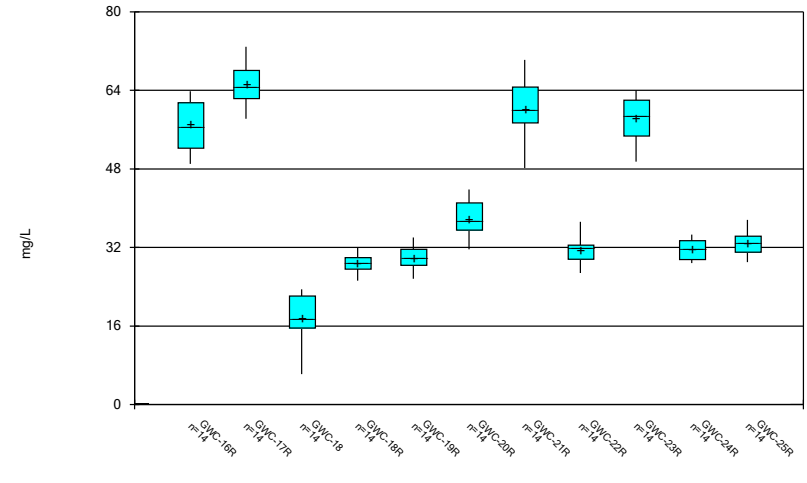
Constituent: Cadmium Analysis Run 4/16/2020 1:15 PM
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



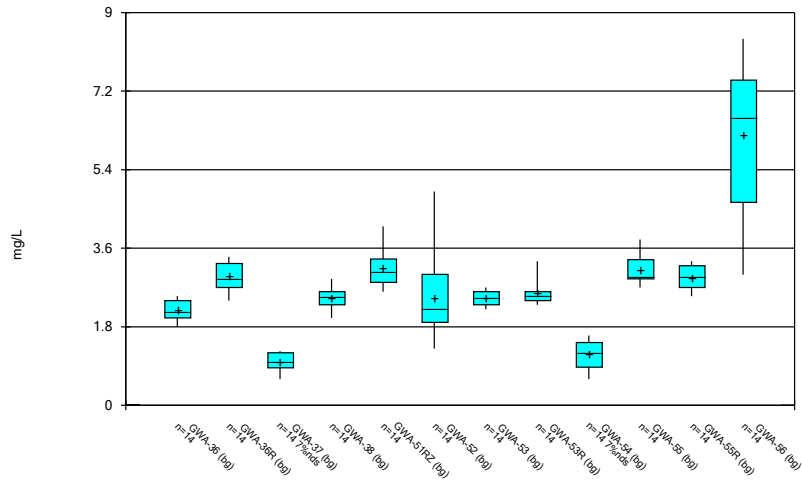
Constituent: Calcium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



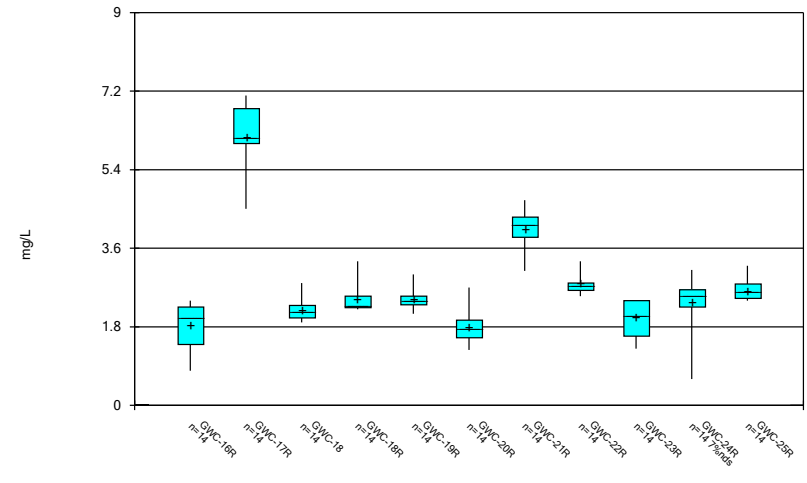
Constituent: Calcium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



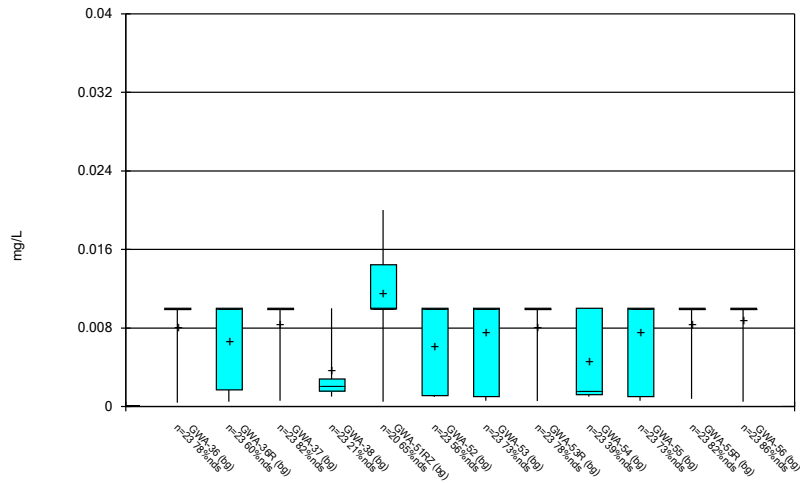
Constituent: Chloride Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



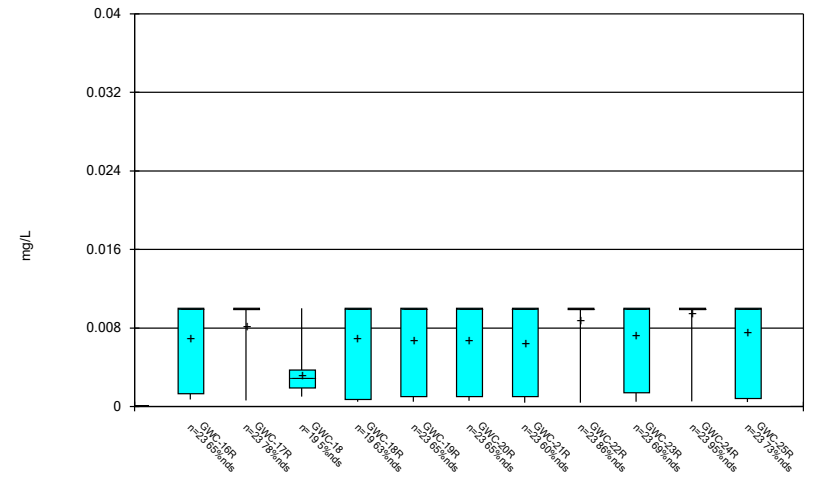
Constituent: Chloride Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



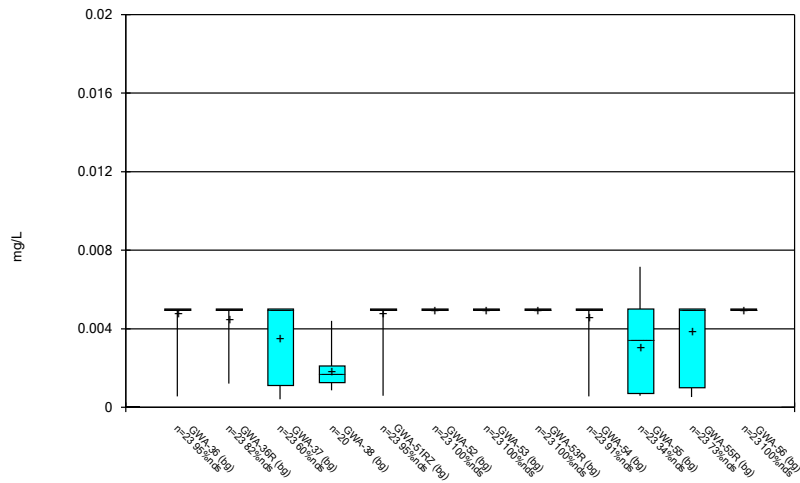
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 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



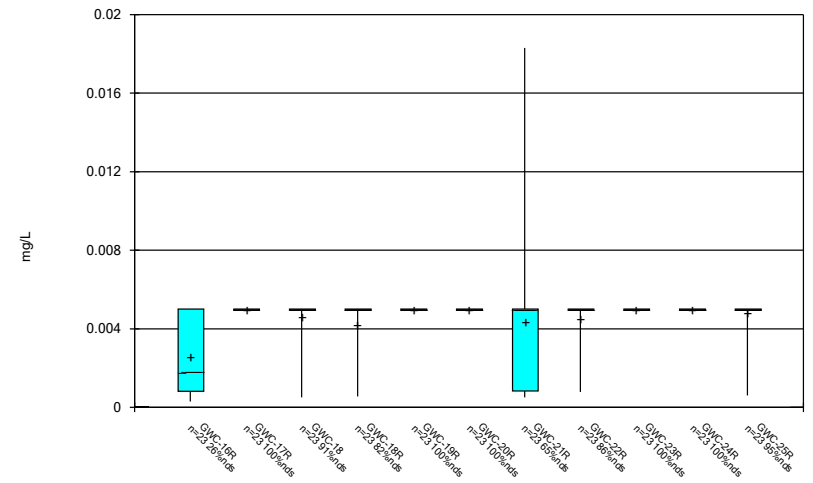
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 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



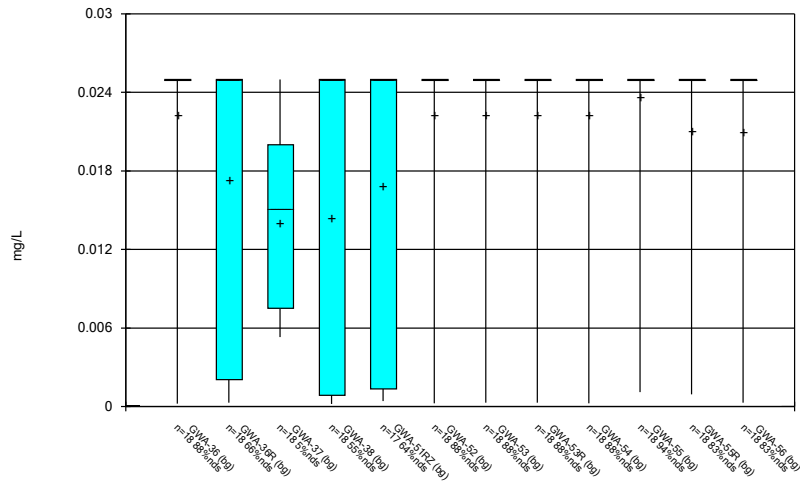
Constituent: Cobalt Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



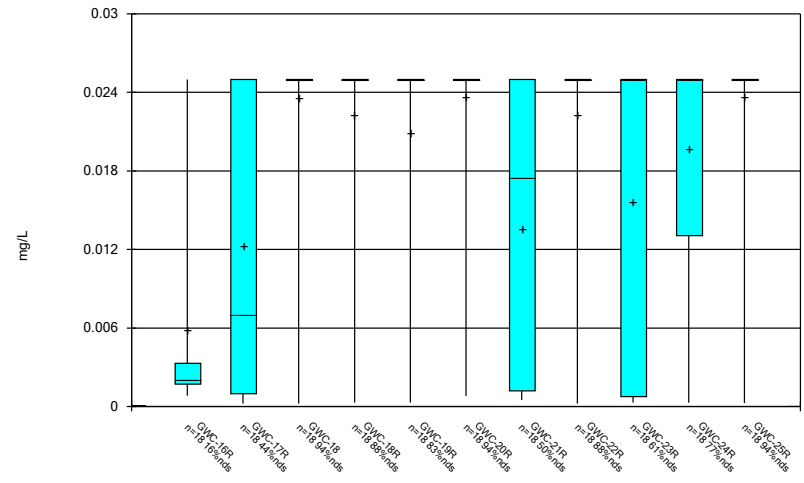
Constituent: Cobalt Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



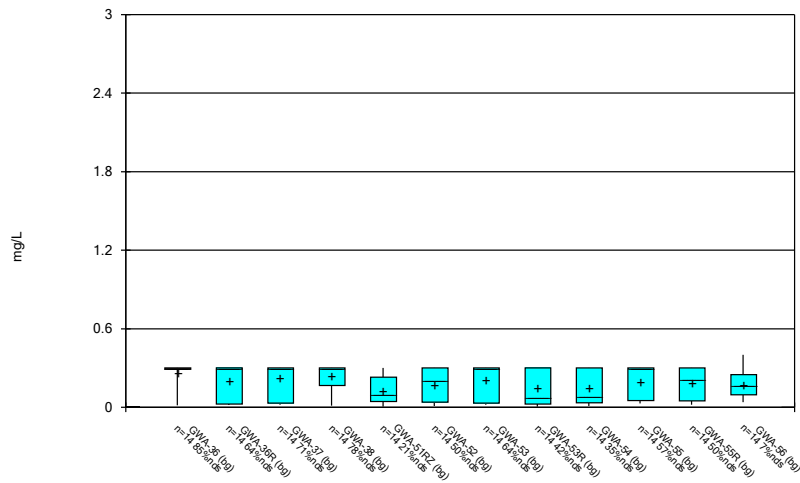
Constituent: Copper Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



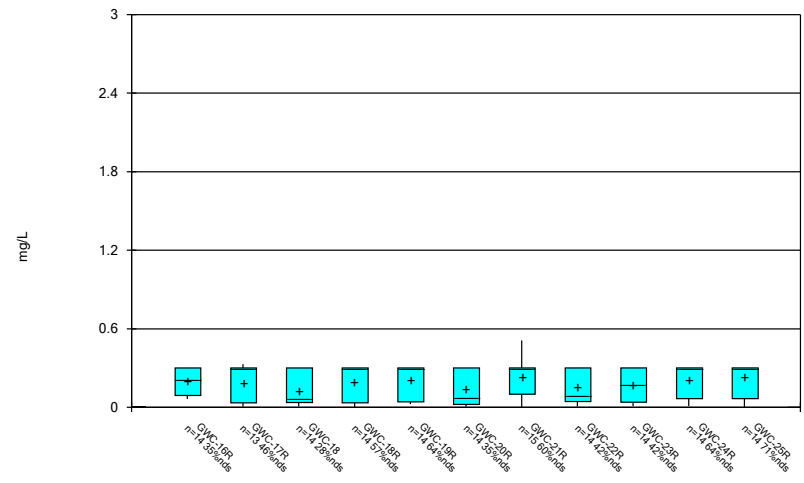
Constituent: Copper Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



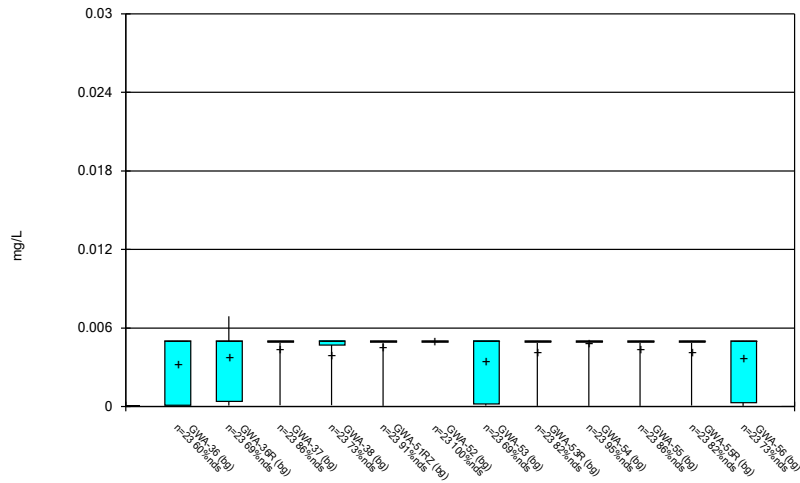
Constituent: Fluoride Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



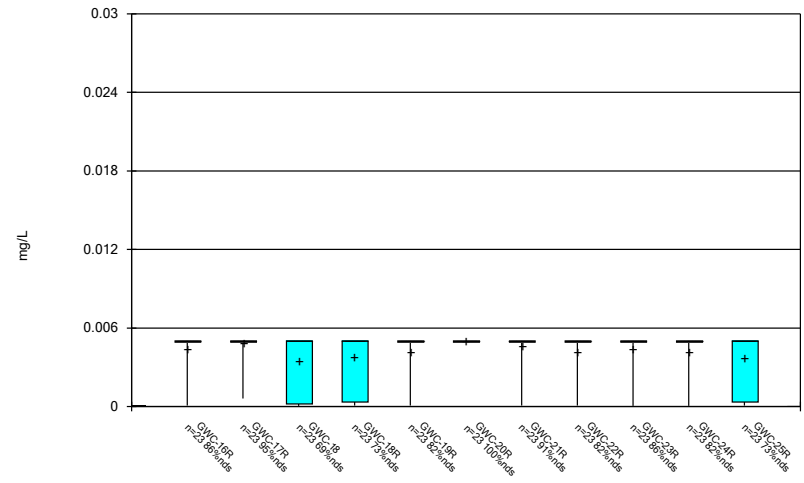
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 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



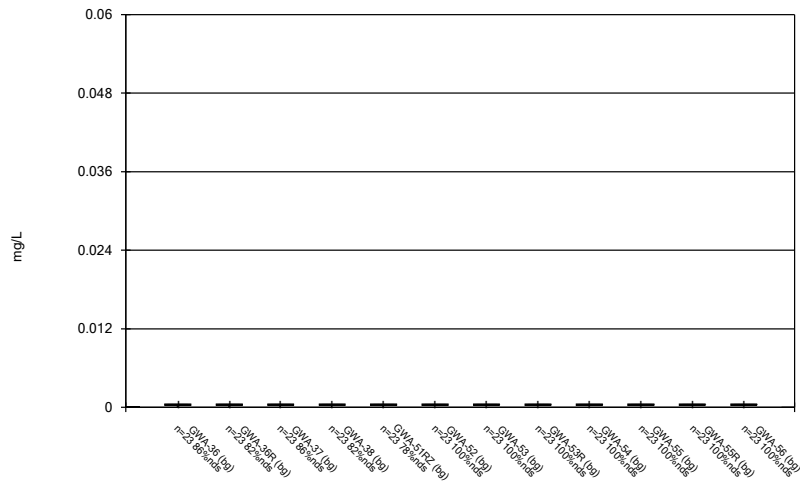
Constituent: Lead Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



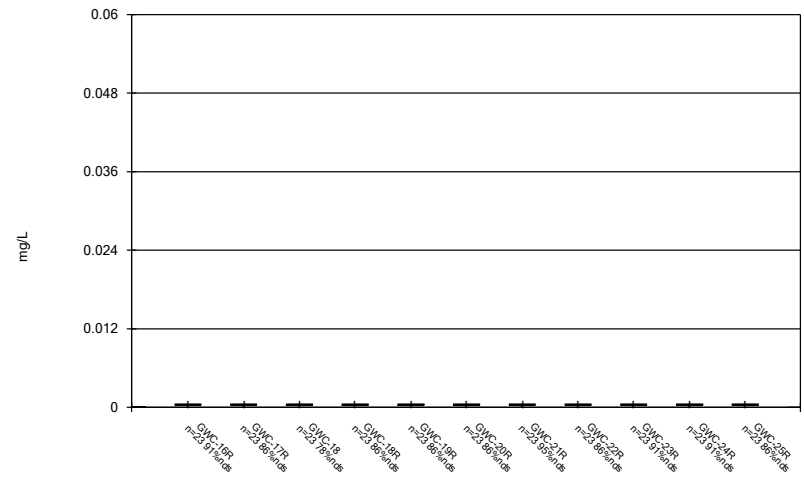
Constituent: Lead Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



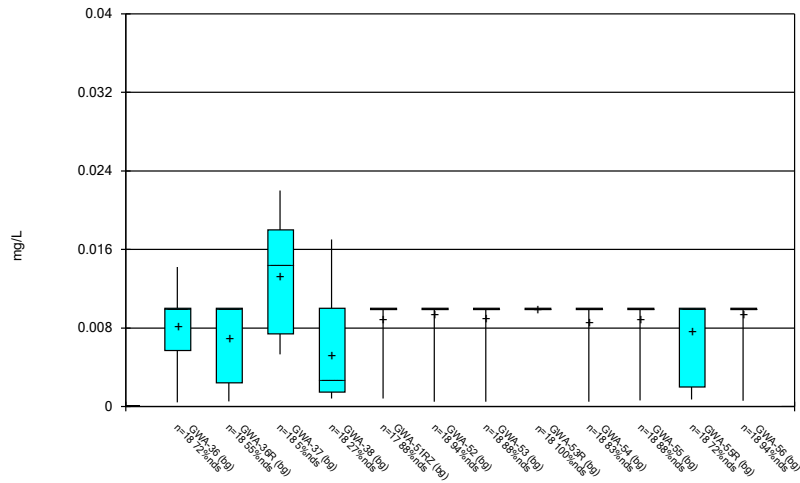
Constituent: Mercury Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



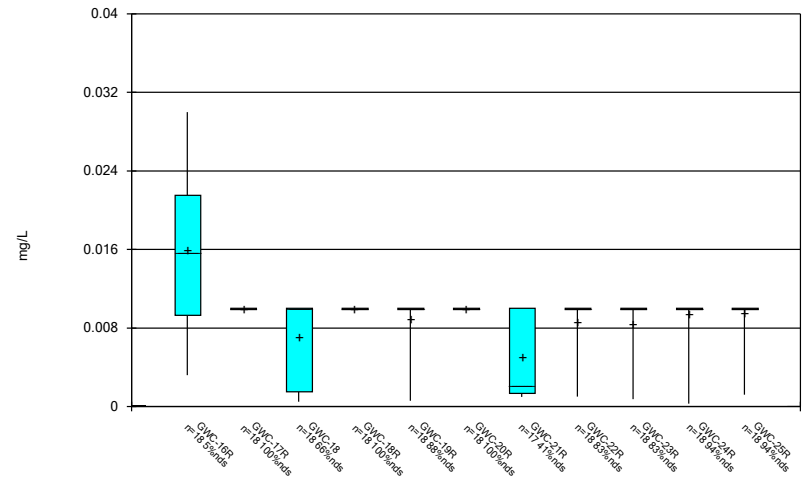
Constituent: Mercury Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



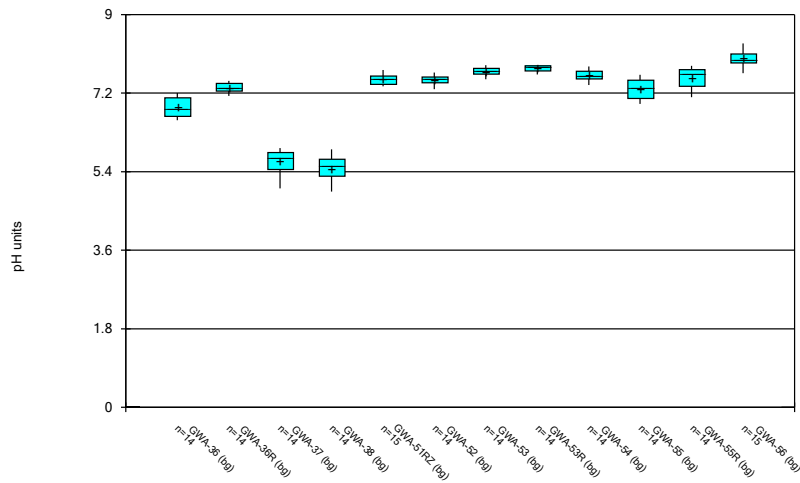
Constituent: Nickel Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



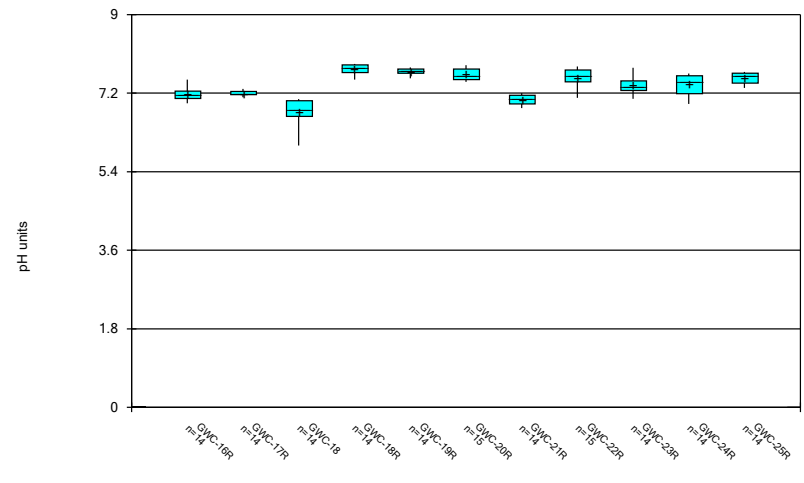
Constituent: Nickel Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



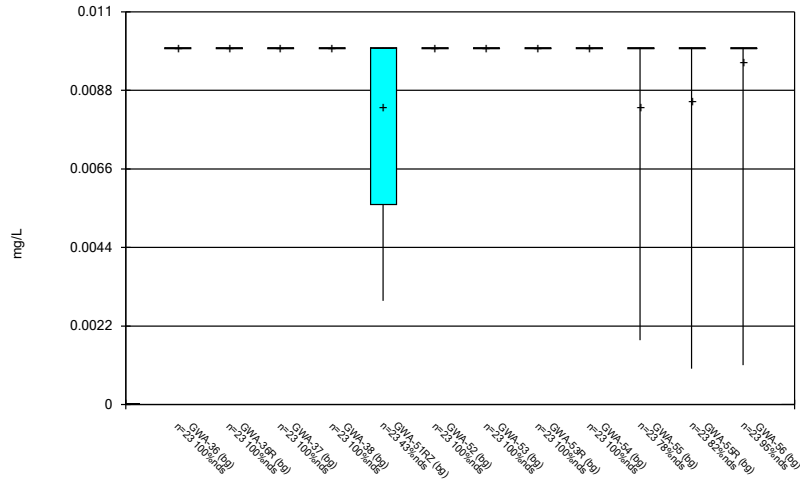
Constituent: pH Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



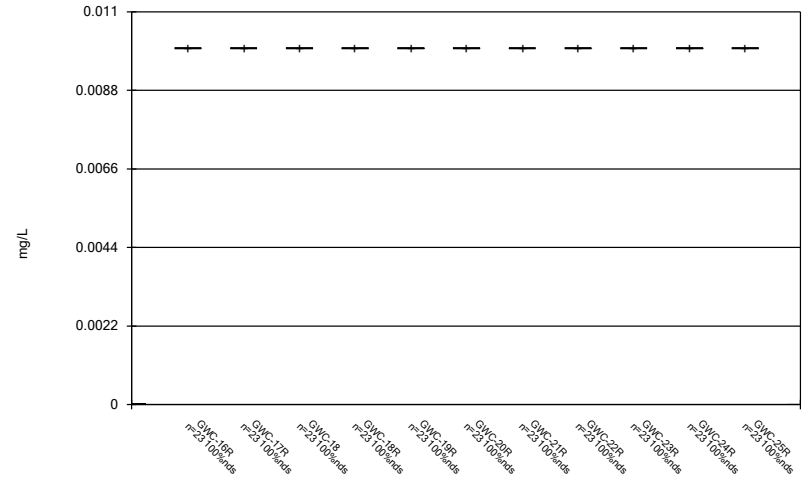
Constituent: pH Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



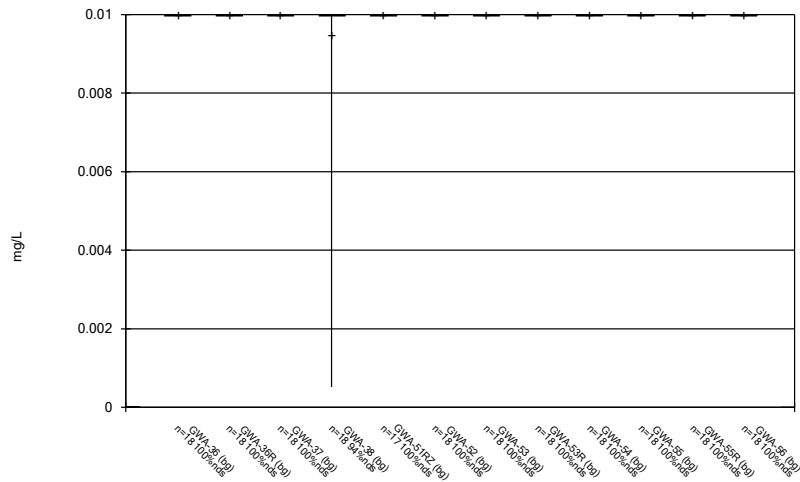
Constituent: Selenium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



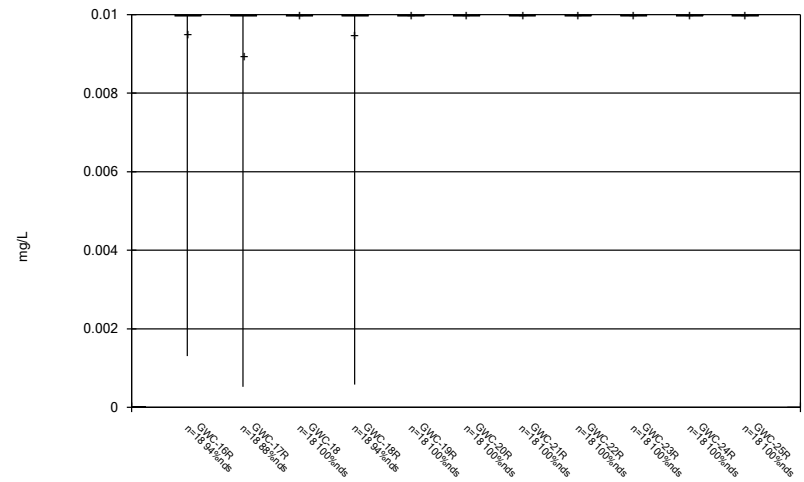
Constituent: Selenium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



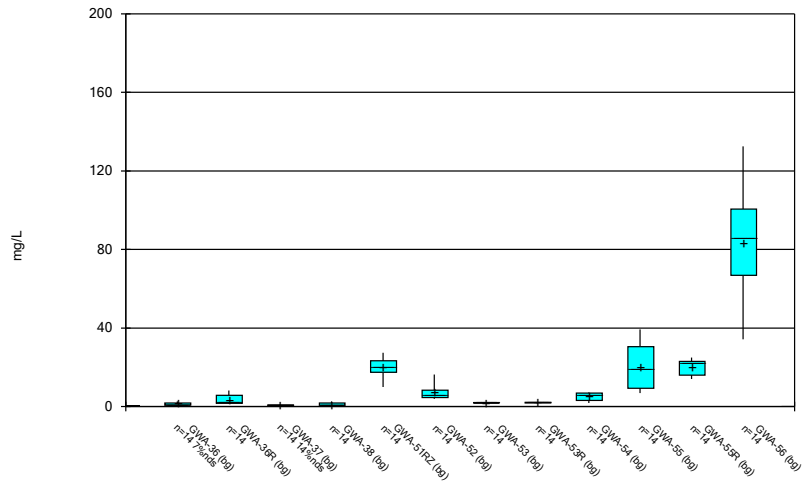
Constituent: Silver Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



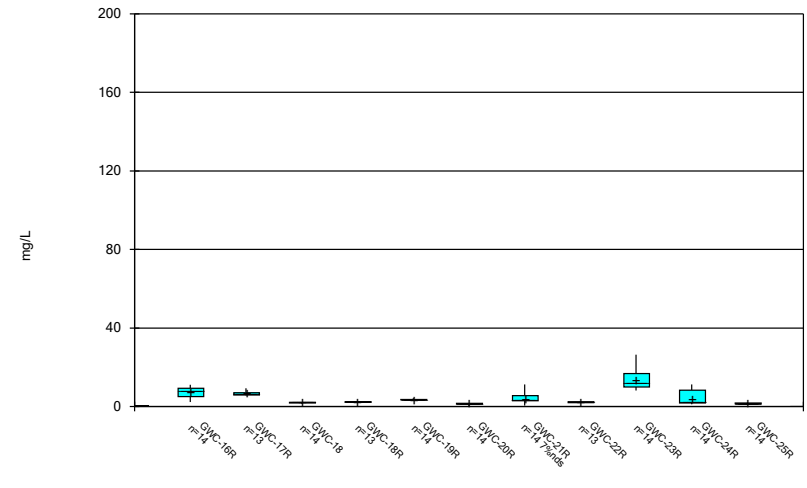
Constituent: Silver Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



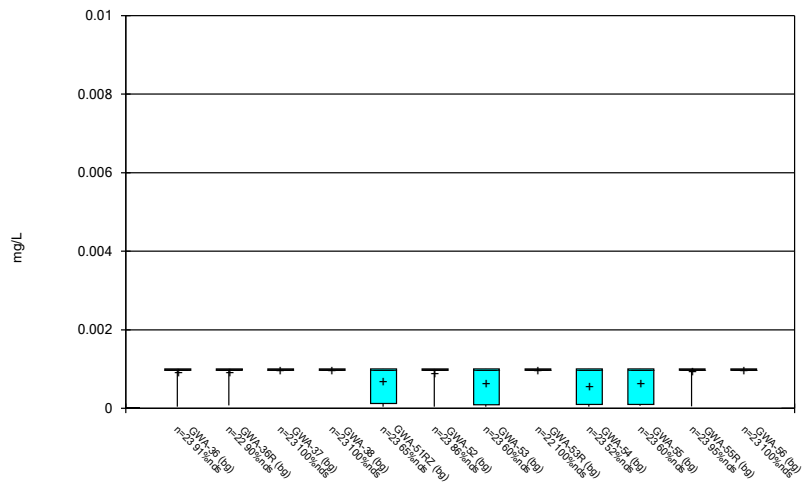
Constituent: Sulfate Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



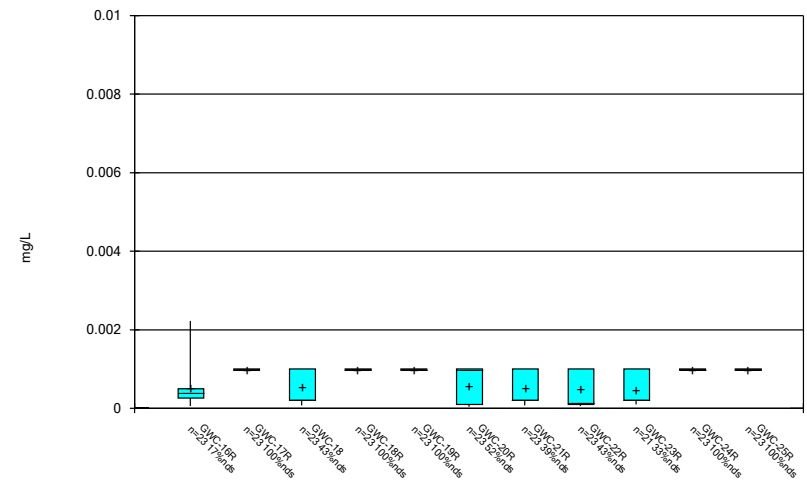
Constituent: Sulfate Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



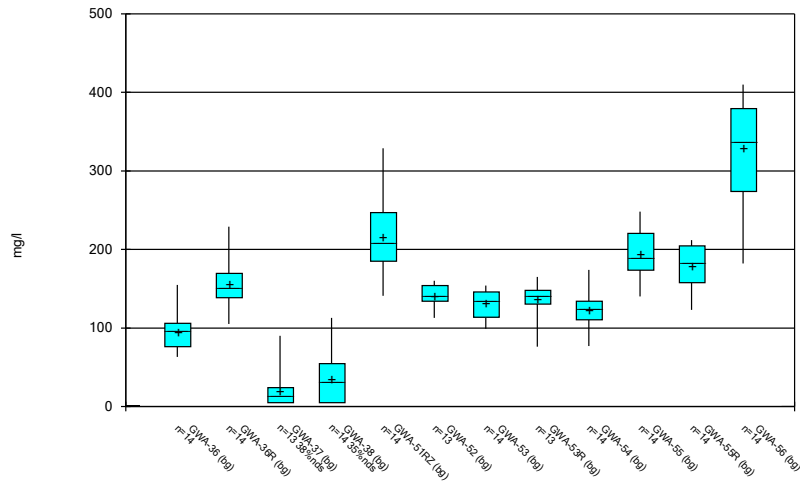
Constituent: Thallium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



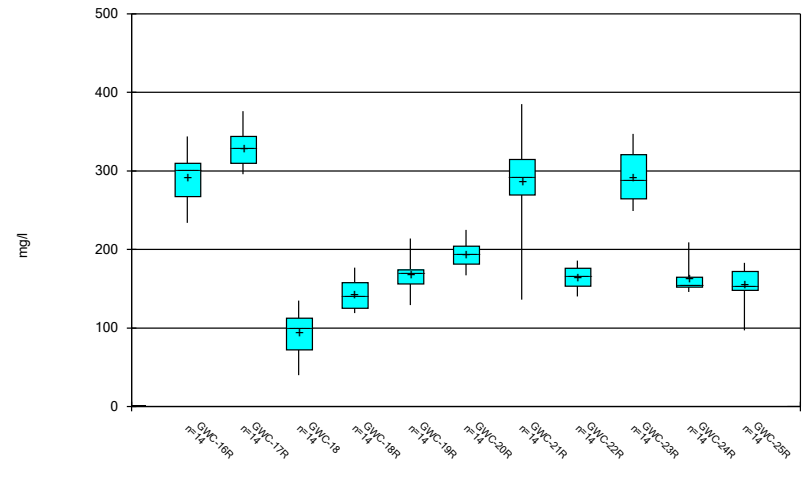
Constituent: Thallium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



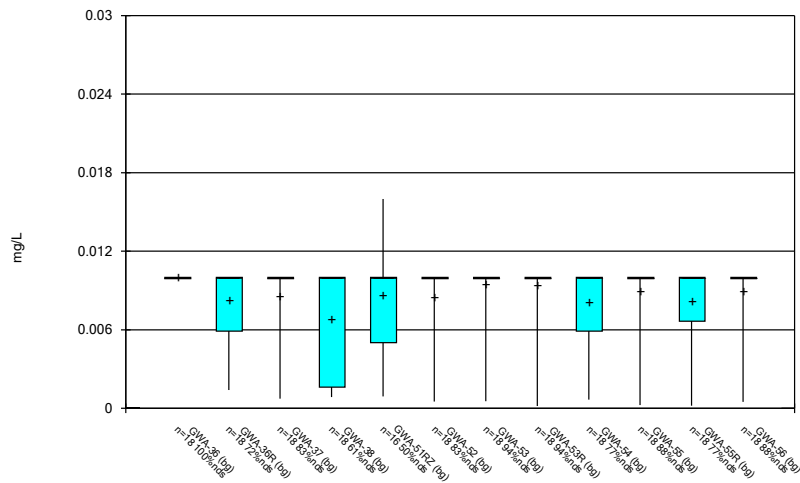
Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



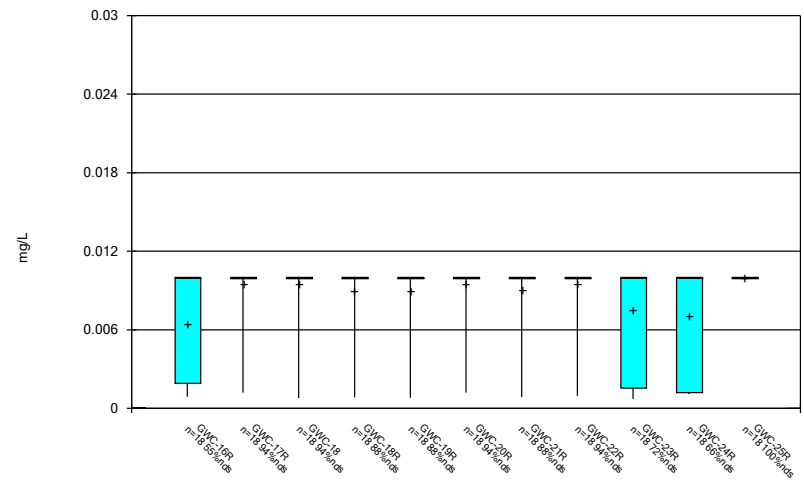
Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



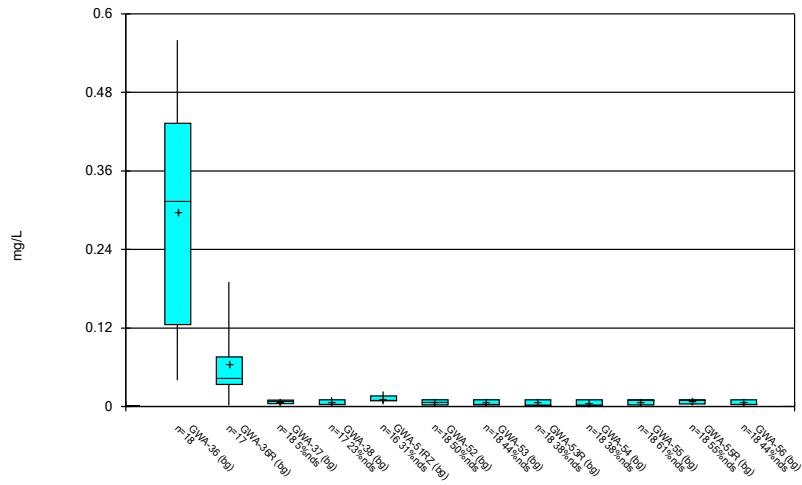
Constituent: Vanadium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



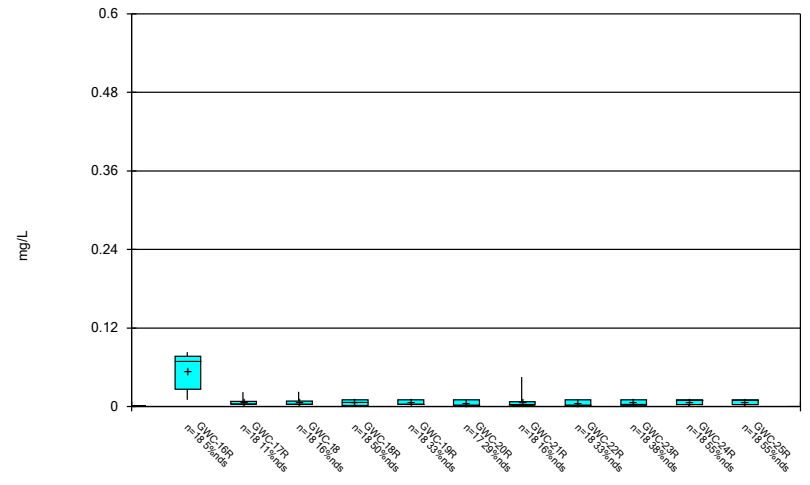
Constituent: Vanadium Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/16/2020 1:15 PM
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

FIGURE C.

Excluded Data

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 9:41 AM

	GWC-23R Thallium (mg/L)	GWA-37 Total Dissolved Solids (mg/l)	GWA-51RZ Vanadium (mg/L)	GWA-36R Zinc (mg/L)	GWA-38 Zinc (mg/L)	GWA-51RZ Zinc (mg/L)	GWC-20R Zinc (mg/L)
9/15/2014				0.44 (o)			
9/17/2014							
10/4/2014							
10/21/2014							
11/5/2014							
11/11/2014							
3/2/2015				0.041 (o)			
3/3/2015							
5/8/2015							
5/17/2015					0.12 (o)		
5/25/2015							
8/12/2015		0.0279 (o)					
3/2/2016							
3/3/2016							
3/4/2016							
3/7/2016							
3/8/2016						0.557 (o)	
3/9/2016	0.0033 (Jo)						
5/3/2016							
7/12/2016							
9/8/2016							
9/13/2016							
1/6/2017		189 (O)					
3/23/2017							
3/12/2019							

FIGURE D.

State Parameters Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Antimony (mg/L)	GWC-16R	0.0187	n/a	3/4/2020	0.019	Yes	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWA-56	0.03746	n/a	3/4/2020	0.039	Yes	20	0.02309	0.005602	5	None	0.0002993	Param 1 of 2

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Antimony (mg/L)	GWA-36	0.0032	n/a	3/2/2020	0.003ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.0052	n/a	3/2/2020	0.0018	No	20	n/a	n/a	45	n/a	0.004291	NP (normality) 1 of 2
Antimony (mg/L)	GWA-51RZ	0.0033	n/a	3/3/2020	0.003ND	No	19	n/a	n/a	68.42	n/a	0.004832	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-53	0.003	n/a	3/4/2020	0.0019	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-53R	0.0034	n/a	3/4/2020	0.00053	No	20	n/a	n/a	60	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-54	0.003	n/a	3/3/2020	0.0011	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-55	0.003	n/a	3/3/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-55R	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWA-56	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-16R	0.0187	n/a	3/4/2020	0.019	Yes	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	3/5/2020	0.003ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	3/6/2020	0.00049	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	3/5/2020	0.00068	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.0064	n/a	3/3/2020	0.0019	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	3/5/2020	0.003ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	3/3/2020	0.003ND	No	17	n/a	n/a	64.71	n/a	0.005914	NP (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	3/3/2020	0.003ND	No	19	n/a	n/a	68.42	n/a	0.004832	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-36R	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	3/2/2020	0.00053	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	3/2/2020	0.00059	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-51RZ	0.008095	n/a	3/3/2020	0.00073	No	19	0.002535	0.002138	36.84	Kaplan-Meier	0.0002993	Param 1 of 2
Arsenic (mg/L)	GWA-52	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-53	0.005	n/a	3/4/2020	0.00044	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-53R	0.005	n/a	3/4/2020	0.00043	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-54	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-55	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-55R	0.005	n/a	3/4/2020	0.005ND	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWA-56	0.005	n/a	3/4/2020	0.0004	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	3/4/2020	0.00088	No	19	n/a	n/a	68.42	n/a	0.004832	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	3/6/2020	0.005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	3/5/2020	0.00042	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	3/4/2020	0.00072	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.005	n/a	3/3/2020	0.0015	No	19	n/a	n/a	68.42	n/a	0.004832	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	3/3/2020	0.0014	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Barium (mg/L)	GWA-36	0.01907	n/a	3/2/2020	0.019	No	15	0.01257	0.002339	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-36R	0.03424	n/a	3/2/2020	0.024	No	20	0.02211	0.004732	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-37	0.014	n/a	3/2/2020	0.005	No	20	0.008485	0.002151	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-38	0.01787	n/a	3/2/2020	0.012	No	19	0.01284	0.001936	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-51RZ	0.0345	n/a	3/3/2020	0.017	No	20	0.01511	0.007558	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-52	0.04903	n/a	3/2/2020	0.023	No	20	0.02779	0.008281	5	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-53	0.02258	n/a	3/4/2020	0.013	No	15	0.01479	0.002803	6.667	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-53R	0.01632	n/a	3/4/2020	0.015	No	20	0.0144	0.0007501	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-54	0.058	n/a	3/3/2020	0.031	No	20	n/a	n/a	5	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWA-55	0.03737	n/a	3/3/2020	0.023	No	20	0.02333	0.005472	5	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-55R	0.08801	n/a	3/4/2020	0.029	No	20	0.05106	0.0144	5	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWA-56	0.03746	n/a	3/4/2020	0.039	Yes	20	0.02309	0.005602	5	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-16R	0.079	n/a	3/4/2020	0.045	No	20	0.2188	0.02428	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-17R	0.02153	n/a	3/5/2020	0.018	No	19	0.01975	0.0006818	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-18	0.04779	n/a	3/6/2020	0.015	No	19	0.0302	0.006763	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-18R	0.0173	n/a	3/5/2020	0.015	No	16	0.01425	0.001127	0	None	0.0002993	Param 1 of 2

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Barium (mg/L)	GWC-19R	0.01846	n/a	3/4/2020	0.017	No	19	0.01597	0.0009569	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-20R	0.03595	n/a	3/5/2020	0.028	No	20	0.02989	0.002362	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-21R	0.0377	n/a	3/3/2020	0.022	No	20	n/a	n/a	0	n/a	0.004291	NP (normality) 1 of 2
Barium (mg/L)	GWC-22R	0.06518	n/a	3/3/2020	0.044	No	19	0.0402	0.009605	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-23R	0.0421	n/a	3/5/2020	0.022	No	20	0.02645	0.006104	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-24R	0.03363	n/a	3/3/2020	0.02	No	19	0.02339	0.003934	0	None	0.0002993	Param 1 of 2
Barium (mg/L)	GWC-25R	0.0167	n/a	3/3/2020	0.015	No	20	n/a	n/a	0	n/a	0.004291	NP (normality) 1 of 2
Beryllium (mg/L)	GWA-36	0.003	n/a	3/2/2020	0.00024	No	20	n/a	n/a	35	n/a	0.004291	NP (normality) 1 of 2
Beryllium (mg/L)	GWA-36R	0.0032	n/a	3/2/2020	0.00015	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	3/2/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	3/2/2020	0.003ND	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-51RZ	0.003	n/a	3/3/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-53R	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-55	0.003	n/a	3/3/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-55R	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWA-56	0.003	n/a	3/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	3/6/2020	0.003ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	3/5/2020	0.00013	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	3/4/2020	0.00013	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	3/5/2020	0.003ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-36	0.001664	n/a	3/2/2020	0.0012	No	20	0.0008898	0.000302	15	None	0.0002993	Param 1 of 2
Cadmium (mg/L)	GWA-36R	0.001	n/a	3/2/2020	0.00018	No	20	n/a	n/a	40	n/a	0.004291	NP (normality) 1 of 2
Cadmium (mg/L)	GWA-37	0.0025	n/a	3/2/2020	0.0025ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0025	n/a	3/2/2020	0.0025ND	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWA-51RZ	0.0025	n/a	3/3/2020	0.0025ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0025	n/a	3/6/2020	0.0025ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0025	n/a	3/3/2020	0.0025ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0025	n/a	3/3/2020	0.0025ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0025	n/a	3/3/2020	0.0025ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-36	0.01	n/a	3/2/2020	0.01ND	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-36R	0.01	n/a	3/2/2020	0.00047	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.01	n/a	3/2/2020	0.01ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.01	n/a	3/2/2020	0.0014	No	20	n/a	n/a	20	n/a	0.004291	NP (normality) 1 of 2
Chromium (mg/L)	GWA-51RZ	0.02	n/a	3/3/2020	0.01ND	No	17	n/a	n/a	58.82	n/a	0.005914	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-52	0.01	n/a	3/2/2020	0.0011	No	20	n/a	n/a	60	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-53	0.01	n/a	3/4/2020	0.00076	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-53R	0.01	n/a	3/4/2020	0.0012	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-54	0.01	n/a	3/3/2020	0.0017	No	20	n/a	n/a	40	n/a	0.004291	NP (normality) 1 of 2
Chromium (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.00085	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.00079	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.01ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-16R	0.01	n/a	3/4/2020	0.0014	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.01	n/a	3/5/2020	0.00063	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.005104	n/a	3/6/2020	0.0019	No	16	0.002947	0.0007961	0	None	0.0002993	Param 1 of 2
Chromium (mg/L)	GWC-18R	0.01	n/a	3/5/2020	0.0007	No	16	n/a	n/a	68.75	n/a	0.006456	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-19R	0.01	n/a	3/4/2020	0.001	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.01	n/a	3/5/2020	0.00075	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.01	n/a	3/3/2020	0.00058	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.01	n/a	3/3/2020	0.00057	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.01	n/a	3/5/2020	0.00086	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.01	n/a	3/3/2020	0.00078	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-36	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-36R	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	55	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.004336	n/a	3/2/2020	0.0011	No	17	0.04368	0.008291	0	None	0.0002993	Param 1 of 2

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Cobalt (mg/L)	GWA-51RZ	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-54	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWA-55	0.00715	n/a	3/3/2020	0.0048	No	20	n/a	n/a	n/a	35	n/a	0.004291	NP (normality) 1 of 2
Cobalt (mg/L)	GWA-55R	0.005	n/a	3/4/2020	0.005ND	No	20	n/a	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-16R	0.00818	n/a	3/4/2020	0.005ND	No	20	0.0431	0.01846	15	None	0.0002993	Param 1 of 2	
Cobalt (mg/L)	GWC-18	0.005	n/a	3/6/2020	0.005ND	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	3/3/2020	0.00078	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWA-36	0.025	n/a	3/2/2020	0.025ND	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-36R	0.025	n/a	3/2/2020	0.00043	No	15	n/a	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.02858	n/a	3/2/2020	0.0068	No	10	0.01155	0.005241	0	None	0.0002993	Param 1 of 2	
Copper (mg/L)	GWA-38	0.025	n/a	3/2/2020	0.00019	No	15	n/a	n/a	n/a	53.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-51RZ	0.025	n/a	3/3/2020	0.00041	No	14	n/a	n/a	n/a	64.29	n/a	0.008612	NP (NDs) 1 of 2
Copper (mg/L)	GWA-52	0.025	n/a	3/2/2020	0.00024	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-53	0.025	n/a	3/4/2020	0.00053	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-53R	0.025	n/a	3/4/2020	0.025ND	No	15	n/a	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-54	0.025	n/a	3/3/2020	0.00025	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-55	0.025	n/a	3/3/2020	0.025ND	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-55R	0.025	n/a	3/4/2020	0.025ND	No	15	n/a	n/a	n/a	80	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWA-56	0.025	n/a	3/4/2020	0.0003	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.025	n/a	3/4/2020	0.0024	No	15	n/a	n/a	n/a	13.33	n/a	0.007533	NP (normality) 1 of 2
Copper (mg/L)	GWC-17R	0.025	n/a	3/5/2020	0.00023	No	15	n/a	n/a	n/a	40	n/a	0.007533	NP (normality) 1 of 2
Copper (mg/L)	GWC-18R	0.025	n/a	3/5/2020	0.025ND	No	15	n/a	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.025	n/a	3/4/2020	0.00036	No	15	n/a	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.025	n/a	3/5/2020	0.025ND	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.025	n/a	3/3/2020	0.00049	No	15	n/a	n/a	n/a	53.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.025	n/a	3/3/2020	0.00022	No	15	n/a	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.025	n/a	3/5/2020	0.0003	No	15	n/a	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.025	n/a	3/3/2020	0.00097	No	15	n/a	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Lead (mg/L)	GWA-36	0.005	n/a	3/2/2020	0.000052	No	20	n/a	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-36R	0.0069	n/a	3/2/2020	0.00031	No	20	n/a	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.005	n/a	3/2/2020	0.005ND	No	20	n/a	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-51RZ	0.005	n/a	3/3/2020	0.000051	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-53	0.005	n/a	3/4/2020	0.00016	No	20	n/a	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-53R	0.005	n/a	3/4/2020	0.000066	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-55	0.005	n/a	3/3/2020	0.000048	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-55R	0.005	n/a	3/4/2020	0.005ND	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWA-56	0.005	n/a	3/4/2020	0.00005	No	20	n/a	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.005	n/a	3/4/2020	0.005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.005	n/a	3/5/2020	0.005ND	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.005	n/a	3/6/2020	0.00013	No	20	n/a	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.005	n/a	3/5/2020	0.00032	No	20	n/a	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.005	n/a	3/4/2020	0.0003	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.005	n/a	3/3/2020	0.005ND	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.005	n/a	3/3/2020	0.000059	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.005	n/a	3/5/2020	0.000052	No	20	n/a	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.005	n/a	3/3/2020	0.000057	No	20	n/a	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.005	n/a	3/3/2020	0.000059	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-36	0.0005	n/a	3/2/2020	0.0005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-36R	0.0005	n/a	3/2/2020	0.0005ND	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0005	n/a	3/2/2020	0.0005ND	No	20	n/a	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0005	n/a	3/2/2020	0.0005ND	No	20	n/a	n/a	n/a	80	n/a	0.004291	NP (NDs) 1 of 2

State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Mercury (mg/L)	GWA-51RZ	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0005	n/a	3/4/2020	0.0005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0005	n/a	3/5/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0005	n/a	3/6/2020	0.0005ND	No	20	n/a	n/a	75	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0005	n/a	3/5/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0005	n/a	3/4/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0005	n/a	3/5/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-21R	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0005	n/a	3/5/2020	0.0005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0005	n/a	3/3/2020	0.0005ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-36	0.0142	n/a	3/2/2020	0.00071	No	15	n/a	n/a	80	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-36R	0.01	n/a	3/2/2020	0.00051	No	15	n/a	n/a	53.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02948	n/a	3/2/2020	0.0079	No	15	0.01434	0.005448	0	None	0.0002993	Param 1 of 2
Nickel (mg/L)	GWA-38	0.01429	n/a	3/2/2020	0.001	No	15	0.05358	0.02374	26.67	Kaplan-Meier	0.0002993	Param 1 of 2
Nickel (mg/L)	GWA-51RZ	0.01	n/a	3/3/2020	0.01ND	No	14	n/a	n/a	85.71	n/a	0.008612	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-52	0.01	n/a	3/2/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-53	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-54	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	80	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.00061	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-16R	0.02928	n/a	3/4/2020	0.0032	No	11	0.01443	0.004761	0	None	0.0002993	Param 1 of 2
Nickel (mg/L)	GWC-18	0.01	n/a	3/6/2020	0.0005	No	15	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.01	n/a	3/4/2020	0.00071	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	3/3/2020	0.00099	No	14	n/a	n/a	42.86	n/a	0.008612	NP (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.01	n/a	3/3/2020	0.001	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.01	n/a	3/5/2020	0.00075	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-24R	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-51RZ	0.01	n/a	3/3/2020	0.0053	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Selenium (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.0025	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.0018	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Selenium (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.01ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.01	n/a	3/2/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	0.007533	NP (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-36	0.001	n/a	3/2/2020	0.001ND	No	20	n/a	n/a	90	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-36R	0.001	n/a	3/2/2020	0.001ND	No	19	n/a	n/a	89.47	n/a	0.004832	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-51RZ	0.001	n/a	3/3/2020	0.00012	No	20	n/a	n/a	70	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-52	0.001	n/a	3/2/2020	0.001ND	No	20	n/a	n/a	85	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-53	0.001	n/a	3/4/2020	0.001ND	No	20	n/a	n/a	55	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-54	0.001	n/a	3/3/2020	0.000079	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWA-55	0.001	n/a	3/3/2020	0.000065	No	20	n/a	n/a	65	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWA-55R	0.001	n/a	3/4/2020	0.001ND	No	20	n/a	n/a	95	n/a	0.004291	NP (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.00116	n/a	3/4/2020	0.00014	No	20	-8.321	0.6089	20	Kaplan-Meier	0.0002993	Param 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	3/6/2020	0.000076	No	20	n/a	n/a	40	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	3/5/2020	0.001ND	No	20	n/a	n/a	45	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	3/3/2020	0.000071	No	20	n/a	n/a	40	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	3/3/2020	0.000072	No	20	n/a	n/a	50	n/a	0.004291	NP (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	3/5/2020	0.00018	No	18	n/a	n/a	33.33	n/a	0.005373	NP (normality) 1 of 2
Vanadium (mg/L)	GWA-36R	0.01	n/a	3/2/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	3/2/2020	0.00074	No	15	n/a	n/a	93.33	n/a	0.007533	NP (NDs) 1 of 2

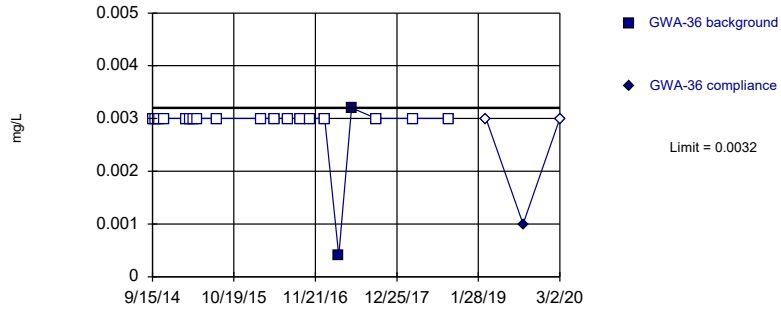
State Parameters Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Vanadium (mg/L)	GWA-38	0.01	n/a	3/2/2020	0.0014	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-51RZ	0.01862	n/a	3/3/2020	0.00091	No	13	0.006365	0.004195	46.15	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Vanadium (mg/L)	GWA-52	0.01	n/a	3/2/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-53	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-53R	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-54	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	3/4/2020	0.0023	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	3/5/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	3/5/2020	0.00071	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	3/3/2020	0.0011	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-36	0.6895	n/a	3/2/2020	0.54	No	15	0.2609	0.1542	0	None	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-36R	0.2673	n/a	3/2/2020	0.056	No	10	0.2552	0.08056	0	None	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-37	0.01469	n/a	3/2/2020	0.0063	No	15	0.007437	0.002609	6.667	None	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-38	0.01324	n/a	3/2/2020	0.0032	No	14	0.004518	0.003061	21.43	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-51RZ	0.02982	n/a	3/3/2020	0.0035	No	13	0.01128	0.00635	30.77	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWA-52	0.01	n/a	3/2/2020	0.0024	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-53	0.01	n/a	3/4/2020	0.004	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWA-53R	0.01	n/a	3/4/2020	0.0027	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWA-54	0.01	n/a	3/3/2020	0.0024	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWA-55	0.01	n/a	3/3/2020	0.005	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-55R	0.01	n/a	3/4/2020	0.0028	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-56	0.01	n/a	3/4/2020	0.0029	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.09557	n/a	3/4/2020	0.015	No	15	0.0002999	0.0002062	6.667	None	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-17R	0.02404	n/a	3/5/2020	0.0035	No	15	0.1752	0.04079	13.33	None	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-18	0.02694	n/a	3/6/2020	0.0045	No	15	-5.394	0.6405	13.33	None	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-18R	0.01	n/a	3/5/2020	0.0024	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.01	n/a	3/4/2020	0.0072	No	15	n/a	n/a	33.33	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.01	n/a	3/5/2020	0.0023	No	14	n/a	n/a	28.57	n/a	n/a	0.008612	NP (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.006515	n/a	3/3/2020	0.0044	No	15	-5.726	0.2492	20	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-22R	0.01	n/a	3/3/2020	0.0029	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.008062	n/a	3/5/2020	0.0084	No	15	-6.256	0.5164	40	Kaplan-Meier	0.0002993	0.0002993	Param 1 of 2
Zinc (mg/L)	GWC-24R	0.01	n/a	3/3/2020	0.0033	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.01	n/a	3/3/2020	0.0027	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP (NDs) 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

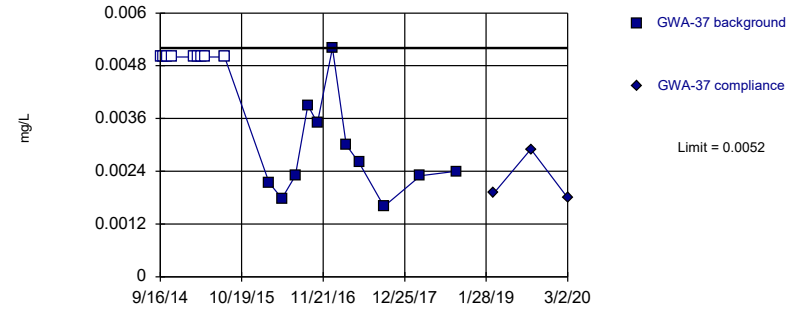


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

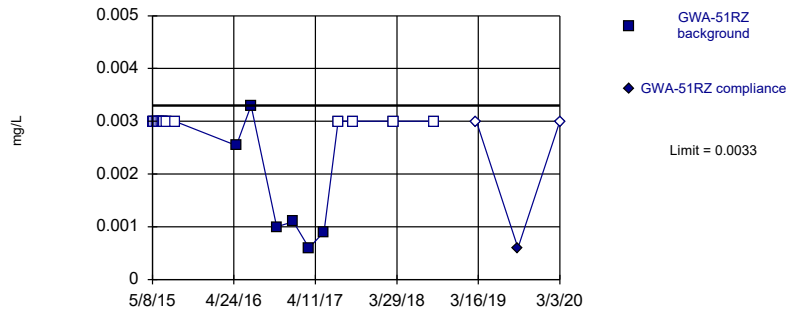


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 45% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

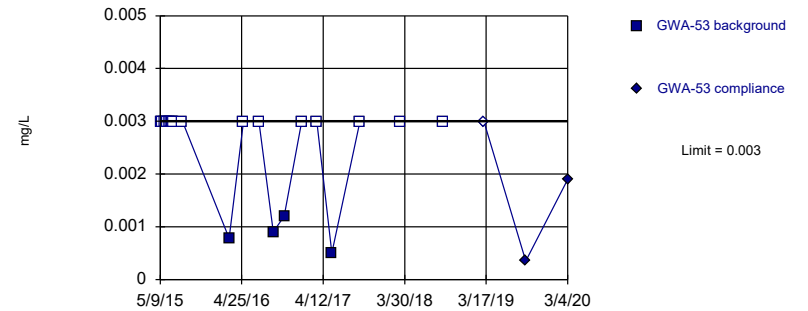


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/21/2015	<0.003	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/7/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	<0.003	
3/15/2017	0.0004 (J)	
5/17/2017	0.0032	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019		<0.003
9/4/2019		0.001 (J)
3/2/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	0.00214 (J)	
5/3/2016	0.00178 (J)	
7/8/2016	0.0023 (J)	
9/7/2016	0.0039	
10/25/2016	0.0035	
1/6/2017	0.0052	
3/14/2017	0.003	
5/16/2017	0.0026 (J)	
9/15/2017	0.0016 (J)	
3/12/2018	0.0023 (J)	
9/6/2018	0.0024 (J)	
3/6/2019		0.0019 (J)
9/4/2019		0.0029 (J)
3/2/2020		0.0018 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.003	
5/17/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/18/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
5/4/2016	0.00254 (JD)	
7/7/2016	0.0033 (D)	
9/8/2016	0.0046 (o)	
10/26/2016	0.001 (D)	
1/6/2017	0.0011 (D)	
3/15/2017	0.0006 (D)	
5/18/2017	0.0009 (D)	
7/19/2017	<0.003 (D)	
9/19/2017	<0.003 (D)	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003
9/4/2019		0.0006 (J)
3/3/2020		<0.003

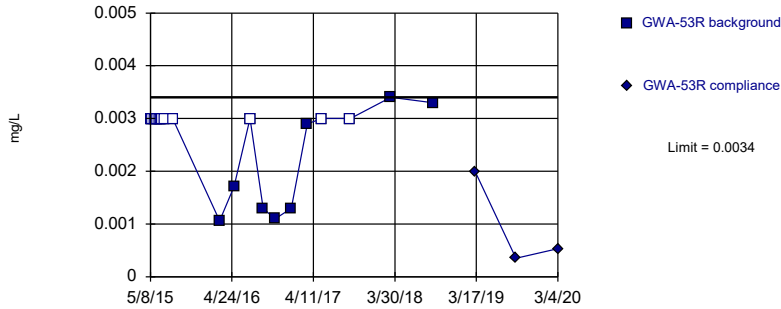
Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.003	
5/18/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/17/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	0.000782 (J)	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/8/2016	0.0009 (J)	
10/26/2016	0.0012 (J)	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/19/2017	0.0005 (J)	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/8/2019		<0.003
9/5/2019		0.00035 (J)
3/4/2020		0.0019 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

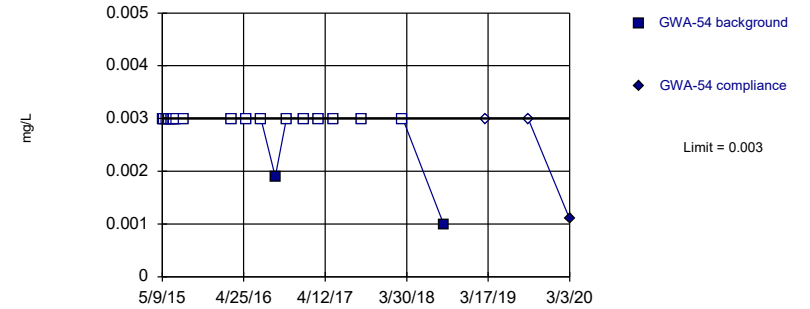


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 60% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

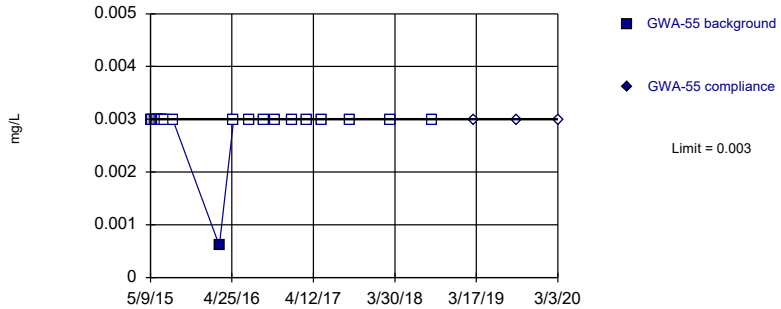


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

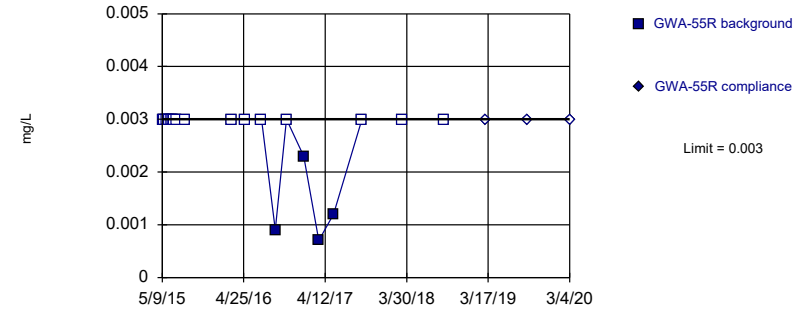


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.003	
5/17/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/18/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	0.00106 (J)	
5/3/2016	0.00171 (J)	
7/11/2016	<0.003	
9/7/2016	0.0013 (J)	
10/27/2016	0.0011 (J)	
1/6/2017	0.0013 (J)	
3/16/2017	0.0029 (J)	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	0.0034	
9/11/2018	0.0033	
3/12/2019		0.002 (J)
9/5/2019		0.00035 (J)
3/4/2020		0.00053 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.003	
5/18/2015	<0.003	
5/25/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	<0.003	
5/4/2016	<0.003	
7/8/2016	<0.003	
9/8/2016	0.0019 (J)	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	0.001 (J)	
3/7/2019		<0.003
9/5/2019		<0.003
3/3/2020		0.0011 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.003	
5/18/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/13/2015	<0.003	
3/2/2016	0.000608 (J)	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003
9/5/2019		<0.003
3/3/2020		<0.003

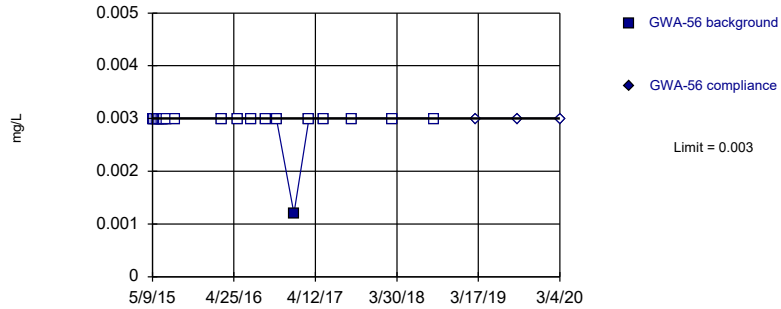
Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.003	
5/18/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/13/2015	<0.003	
3/3/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	0.0009 (J)	
10/27/2016	<0.003	
1/9/2017	0.0023 (J)	
3/16/2017	0.0007 (J)	
5/18/2017	0.0012 (J)	
9/18/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003
9/5/2019		<0.003
3/4/2020		<0.003

Within Limit

Prediction Limit
Intrawell Non-parametric

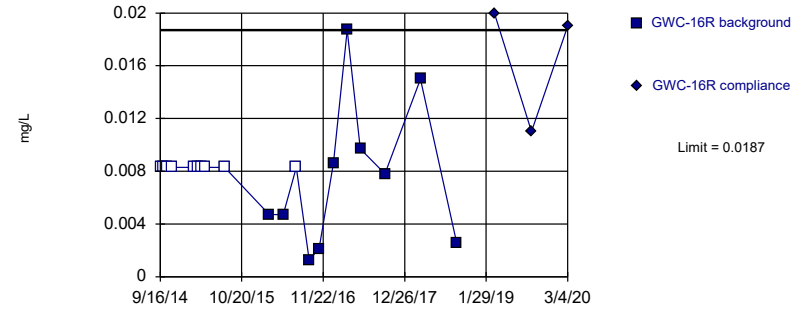


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

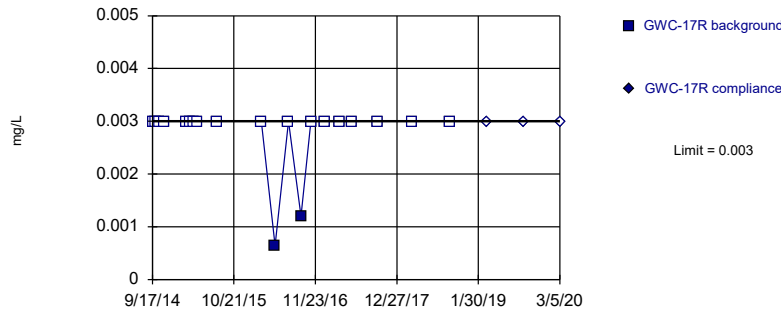


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

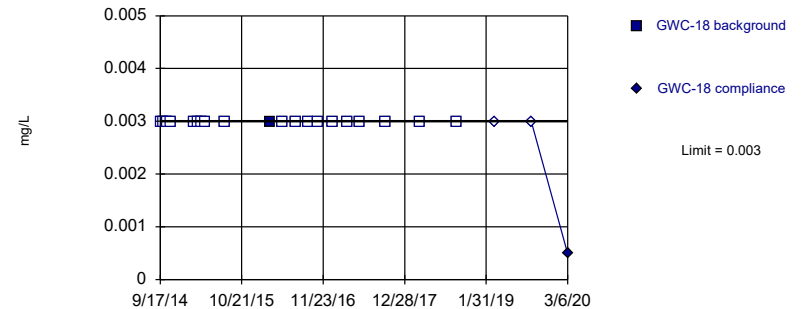


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.003	
5/19/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/13/2015	<0.003	
3/3/2016	<0.003	
5/9/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	0.0012 (J)	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003
9/4/2019		<0.003
3/4/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.0083	
10/4/2014	<0.0083	
10/21/2014	<0.0083	
11/11/2014	<0.0083	
3/3/2015	<0.0083	
3/18/2015	<0.0083	
4/6/2015	<0.0083	
4/23/2015	<0.0083	
7/29/2015	<0.0083	
3/3/2016	0.00472 (D)	
5/10/2016	0.0047	
7/13/2016	<0.0083	
9/15/2016	0.0013 (J)	
11/2/2016	0.0021 (J)	
1/11/2017	0.0086	
3/20/2017	0.0187	
5/23/2017	0.0097	
9/21/2017	0.0078	
3/14/2018	0.015	
9/7/2018	0.0026 (J)	
3/11/2019		0.02
9/9/2019		0.011
3/4/2020		0.019

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/6/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/4/2016	<0.003	
5/10/2016	0.000641 (J)	
7/14/2016	<0.003	
9/14/2016	0.0012 (J)	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/23/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/10/2019		<0.003
3/5/2020		<0.003

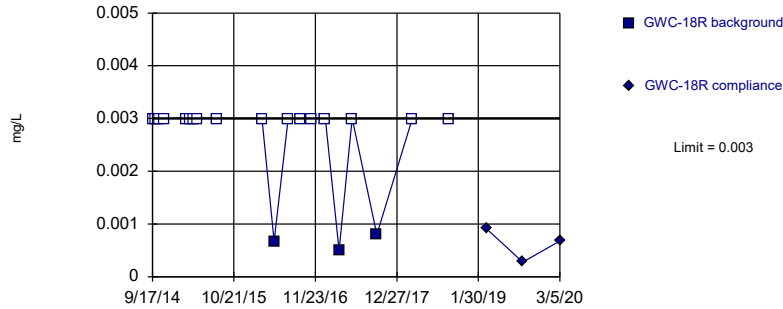
Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/9/2019		<0.003
3/6/2020		0.00049 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

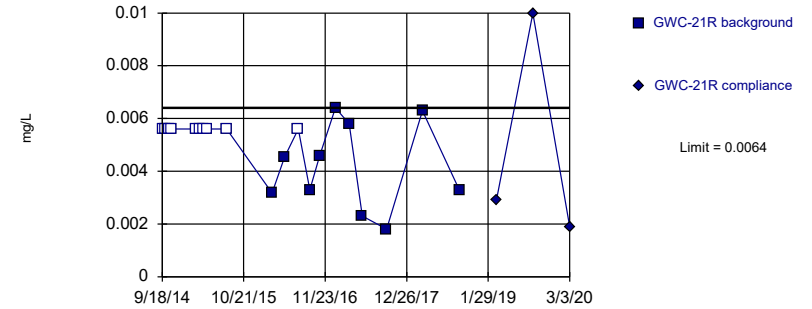


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

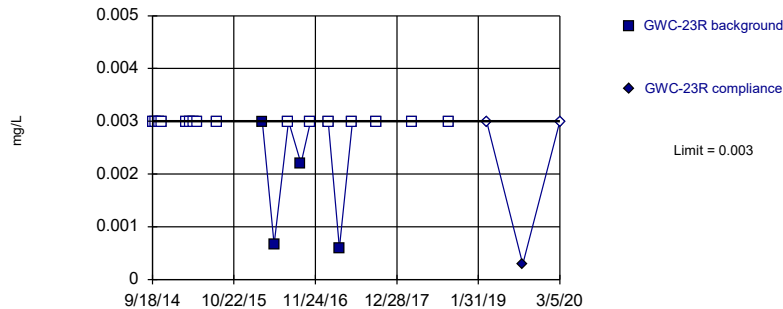


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

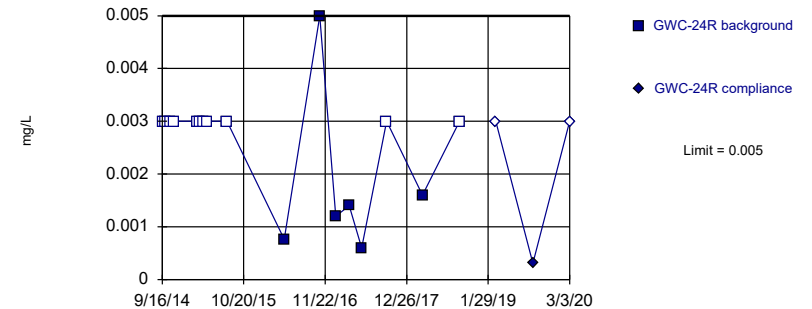


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	0.000672 (J)	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	0.0005 (J)	
5/22/2017	<0.003	
9/21/2017	0.0008 (J)	
3/14/2018	<0.003	
9/7/2018	<0.003	
3/12/2019		0.00091 (J)
9/6/2019		0.00028 (J)
3/5/2020		0.00068 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0056	
10/5/2014	<0.0056	
10/22/2014	<0.0056	
11/5/2014	<0.0056	
3/4/2015	<0.0056	
3/19/2015	<0.0056	
4/8/2015	<0.0056	
4/24/2015	<0.0056	
7/30/2015	<0.0056	
3/8/2016	0.00318	
5/9/2016	0.00454	
7/15/2016	<0.0056	
9/9/2016	0.0033	
10/27/2016	0.0046	
1/12/2017	0.0064	
3/21/2017	0.0058	
5/23/2017	0.0023 (J)	
9/19/2017	0.0018 (J)	
3/14/2018	0.0063	
9/10/2018	0.0033	
3/11/2019		0.0029 (J)
9/6/2019		0.01
3/3/2020		0.0019 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/9/2016	0.003	
5/6/2016	0.000666 (J)	
7/15/2016	<0.003	
9/14/2016	0.0022 (J)	
11/1/2016	<0.003	
1/25/2017	<0.003	
3/22/2017	0.0006 (J)	
5/24/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/6/2019		0.00029 (J)
3/5/2020		<0.003

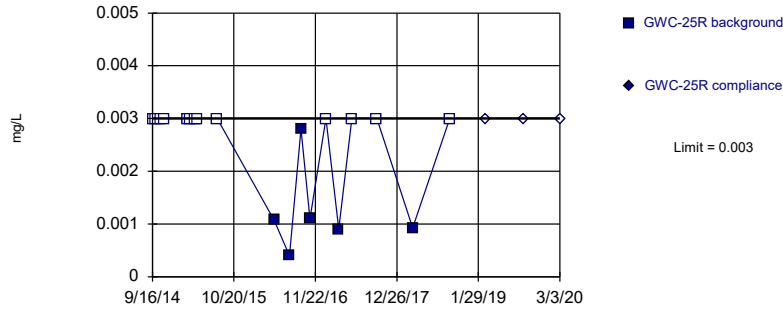
Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/4/2016	0.0271 (Jo)	
5/5/2016	0.000761 (J)	
7/12/2016	0.0094 (o)	
9/13/2016	0.0072 (o)	
10/27/2016	0.005	
1/13/2017	0.0012 (J)	
3/20/2017	0.0014 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	<0.003	
3/13/2018	0.0016 (J)	
9/11/2018	<0.003	
3/8/2019		<0.003
9/5/2019		0.00031 (JD)
3/3/2020		<0.003

Within Limit

Prediction Limit
Intrawell Non-parametric

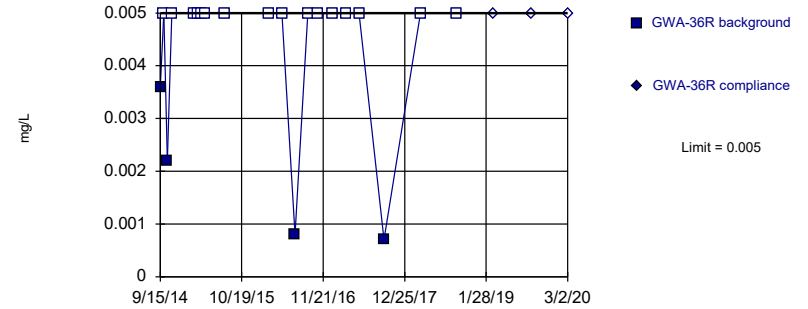


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Antimony Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

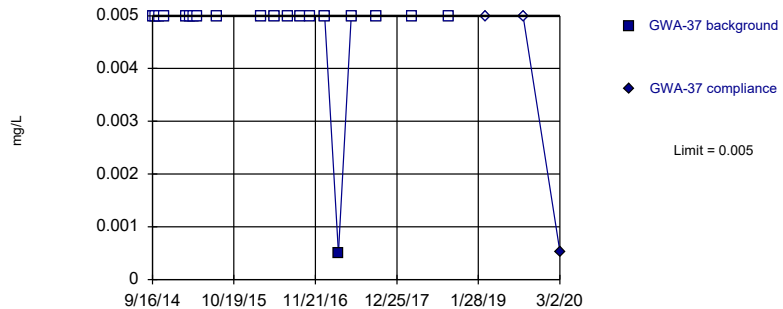


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

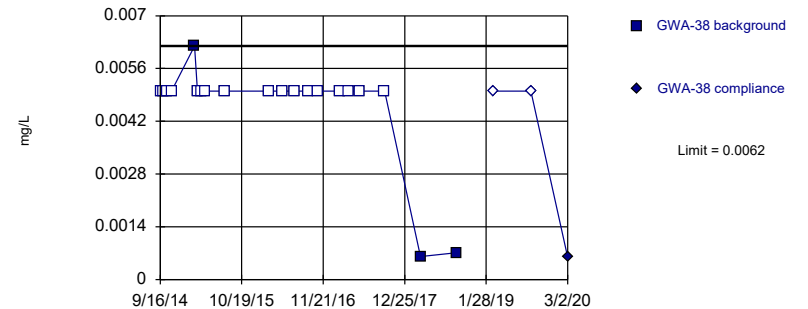


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/9/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	0.0226 (o)	
5/4/2016	0.00107 (J)	
7/18/2016	0.0004 (J)	
9/13/2016	0.0028 (J)	
10/27/2016	0.0011 (J)	
1/13/2017	<0.003	
3/16/2017	0.0009 (J)	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	0.00093 (J)	
9/11/2018	<0.003	
3/8/2019		<0.003
9/5/2019		<0.003
3/3/2020		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0036 (J)	
10/3/2014	<0.005	
10/20/2014	0.0022 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0008 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0005 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		<0.005
3/2/2020		0.00053 (J)

Prediction Limit

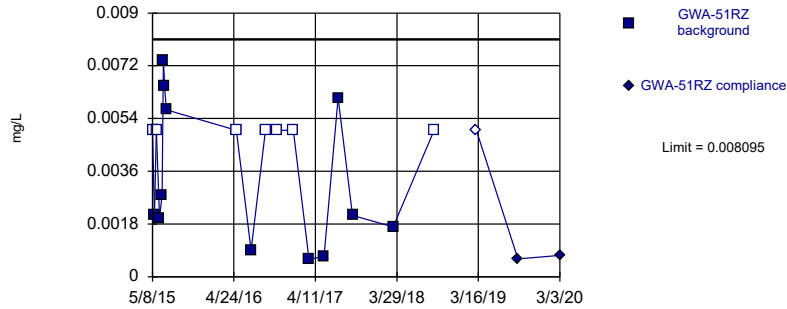
Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	0.0062	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/25/2016	<0.005	
2/9/2017	<0.005	
3/23/2017	<0.005	
5/17/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	0.00061 (J)	
9/6/2018	0.00071 (J)	
3/7/2019		<0.005
9/4/2019		<0.005 (D)
3/2/2020		0.00059 (J)

Within Limit

Prediction Limit
Intrawell Parametric

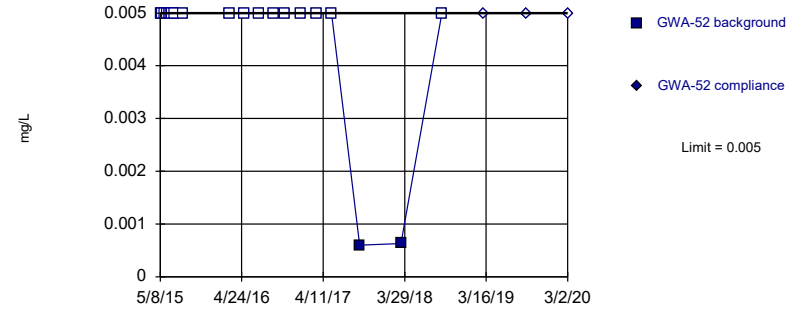


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002535, Std. Dev.=0.002138, n=19, 36.84% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8967, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

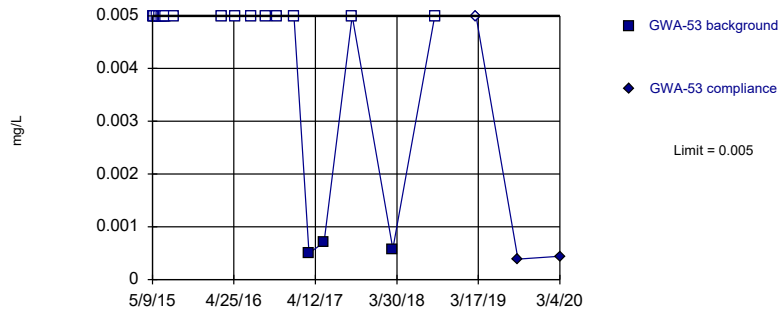


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

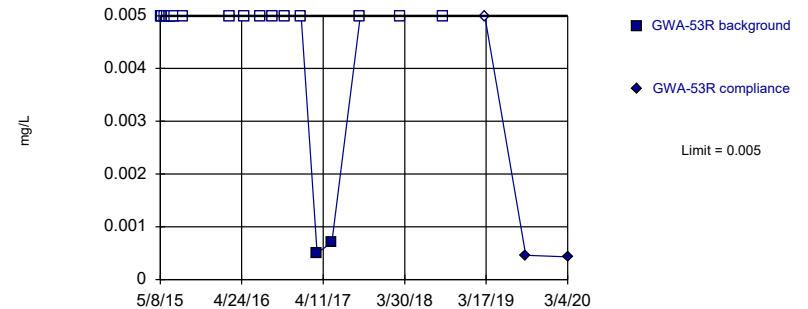


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.005	
5/17/2015	0.0021 (J)	
5/25/2015	<0.005	
6/8/2015	0.002 (J)	
6/18/2015	0.0028 (J)	
6/24/2015	0.0074	
6/30/2015	0.0065	
7/6/2015	0.0057	
5/4/2016	<0.005 (D)	
7/7/2016	0.0009 (JD)	
9/8/2016	<0.005 (D)	
10/26/2016	<0.005 (D)	
1/6/2017	<0.005 (D)	
3/15/2017	0.0006 (JD)	
5/18/2017	0.0007 (JD)	
7/19/2017	0.0061 (D)	
9/19/2017	0.0021 (JD)	
3/13/2018	0.0017 (J)	
9/7/2018	<0.005	
3/8/2019		<0.005
9/4/2019		0.00061 (J)
3/3/2020		0.00073 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
2/29/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/6/2017	<0.005	
3/15/2017	<0.005	
5/17/2017	<0.005	
9/15/2017	0.0006 (J)	
3/13/2018	0.00063 (J)	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0005 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	<0.005	
3/13/2018	0.00058 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		0.00039 (J)
3/4/2020		0.00044 (J)

Prediction Limit

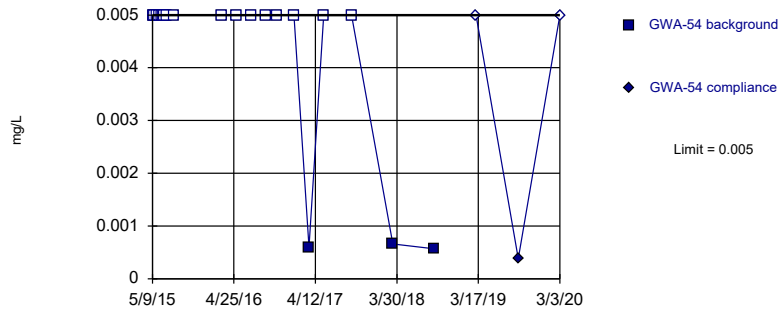
Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/7/2016	<0.005	
10/27/2016	<0.005	
1/6/2017	<0.005	
3/16/2017	0.0005 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/5/2019		0.00046 (J)
3/4/2020		0.00043 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

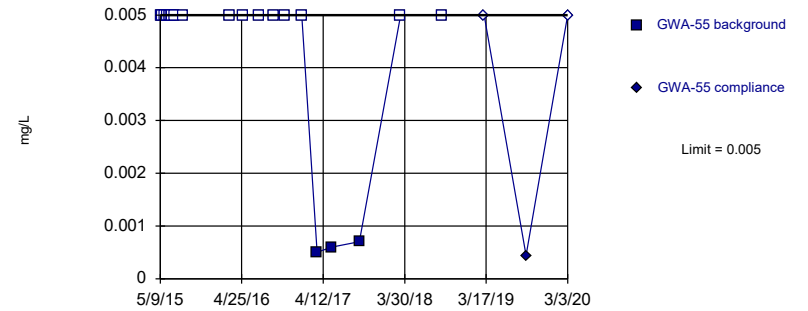


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

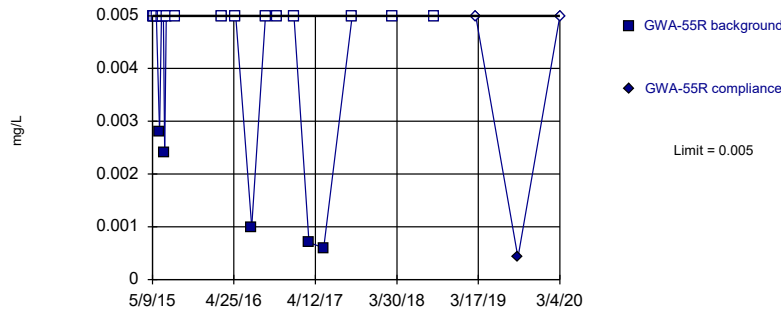


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

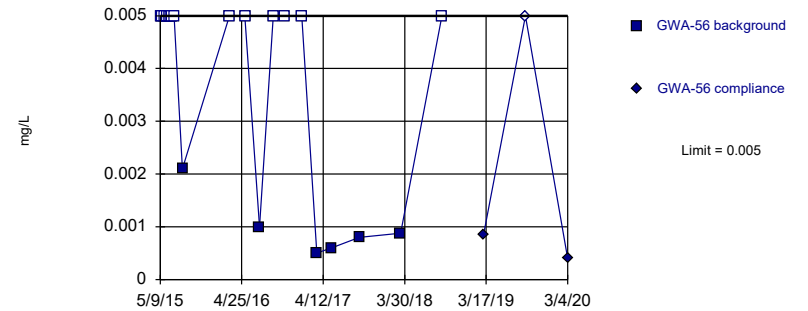


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	0.0006 (J)	
5/18/2017	<0.005	
9/15/2017	<0.005	
3/13/2018	0.00066 (J)	
9/6/2018	0.00057 (J)	
3/7/2019		<0.005
9/5/2019		0.00038 (J)
3/3/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/9/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0005 (J)	
5/18/2017	0.0006 (J)	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005
9/5/2019		0.00044 (J)
3/3/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	0.0028 (J)	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	0.0024 (J)	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	0.001 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0007 (J)	
5/18/2017	0.0006 (J)	
9/18/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005
9/5/2019		0.00042 (J)
3/4/2020		<0.005

Prediction Limit

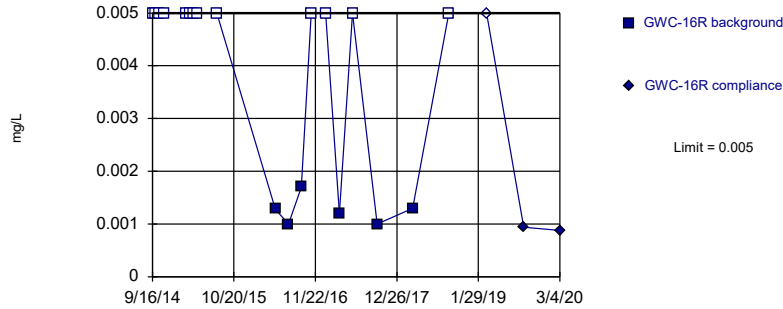
Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.005	
5/19/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	0.0021 (J)	
3/3/2016	<0.005	
5/9/2016	<0.005	
7/11/2016	0.001 (J)	
9/9/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	0.0005 (J)	
5/18/2017	0.0006 (J)	
9/15/2017	0.0008 (J)	
3/13/2018	0.00088 (J)	
9/7/2018	<0.005	
3/7/2019		0.00085 (J)
9/4/2019		<0.005
3/4/2020		0.0004 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

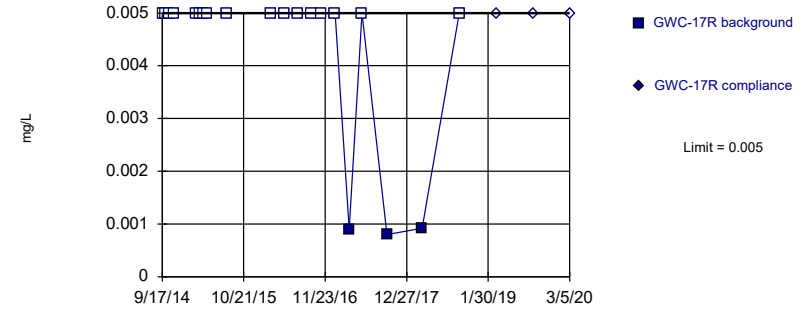


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

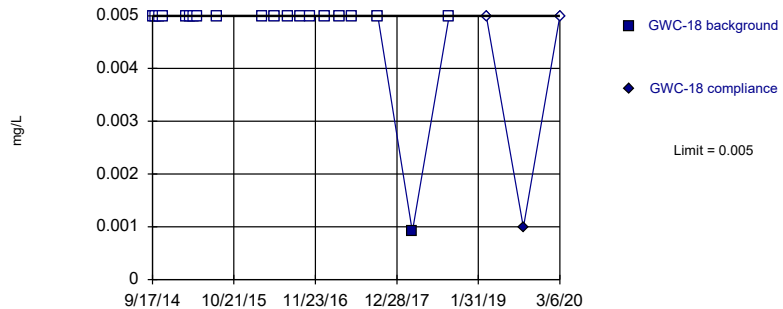


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

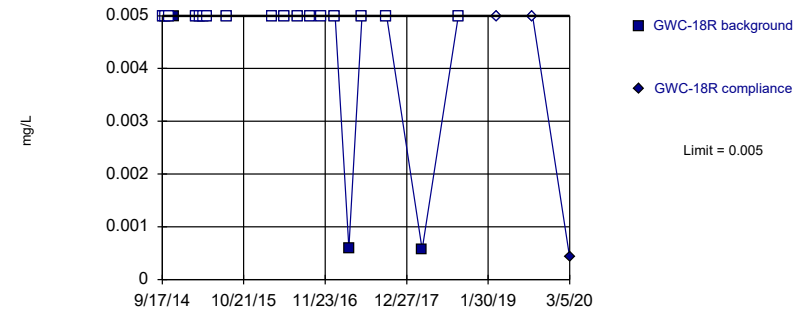


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	0.08869 (oD)	
5/10/2016	0.00128 (J)	
7/13/2016	0.001 (J)	
9/15/2016	0.0017 (J)	
11/2/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/21/2017	0.001 (J)	
3/14/2018	0.0013 (J)	
9/7/2018	<0.005	
3/11/2019		<0.005
9/9/2019		0.00094 (J)
3/4/2020		0.00088 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0009 (J)	
5/23/2017	<0.005	
9/22/2017	0.0008 (J)	
3/14/2018	0.00092 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005
9/10/2019		<0.005
3/5/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	0.00091 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005
9/9/2019		0.00099 (J)
3/6/2020		<0.005

Prediction Limit

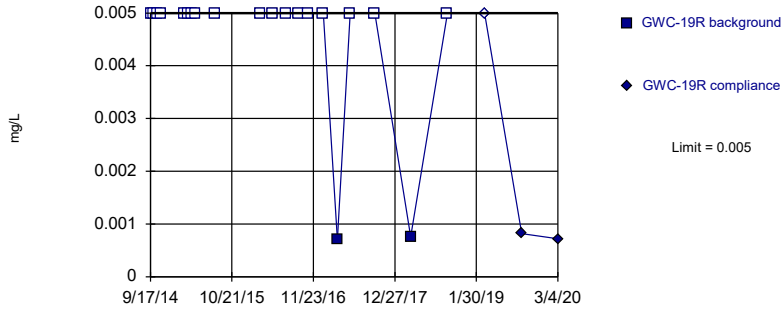
Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0006 (J)	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	0.00057 (J)	
9/7/2018	<0.005	
3/12/2019		<0.005
9/6/2019		<0.005
3/5/2020		0.00042 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

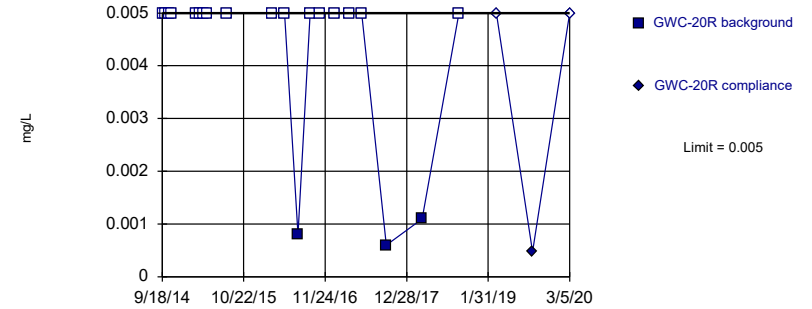


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

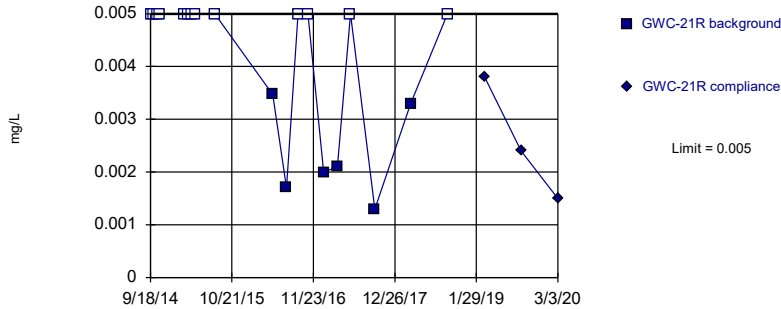


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

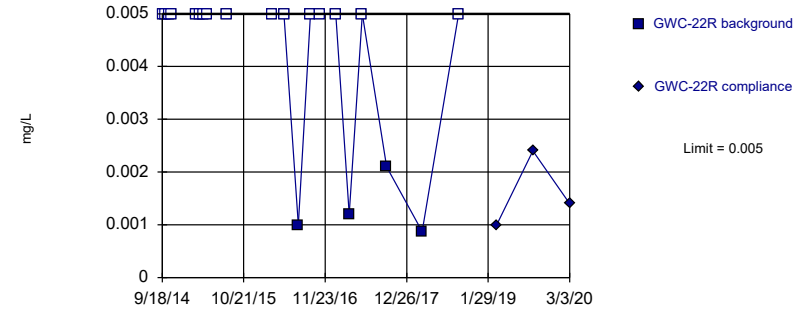


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0007 (J)	
5/22/2017	<0.005	
9/20/2017	<0.005	
3/14/2018	0.00076 (J)	
9/10/2018	<0.005	
3/12/2019		<0.005
9/9/2019		0.00082 (J)
3/4/2020		0.00072 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/22/2017	<0.005	
5/22/2017	<0.005	
9/19/2017	0.0006 (J)	
3/14/2018	0.0011 (J)	
9/10/2018	<0.005	
3/12/2019		<0.005
9/6/2019		0.00047 (JD)
3/5/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0148 (o)	
5/9/2016	0.00347 (J)	
7/15/2016	0.0017 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	0.002 (J)	
3/21/2017	0.0021 (J)	
5/23/2017	<0.005	
9/19/2017	0.0013 (J)	
3/14/2018	0.0033 (J)	
9/10/2018	<0.005	
3/11/2019		0.0038 (J)
9/6/2019		0.0024 (J)
3/3/2020		0.0015 (J)

Prediction Limit

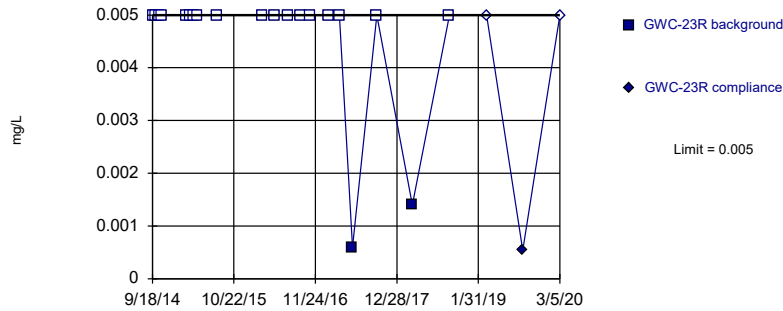
Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:19 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	0.001 (J)	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/19/2017	0.0021 (J)	
3/13/2018	0.00087 (J)	
9/7/2018	<0.005	
3/11/2019		0.00099 (J)
9/5/2019		0.0024 (J)
3/3/2020		0.0014 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

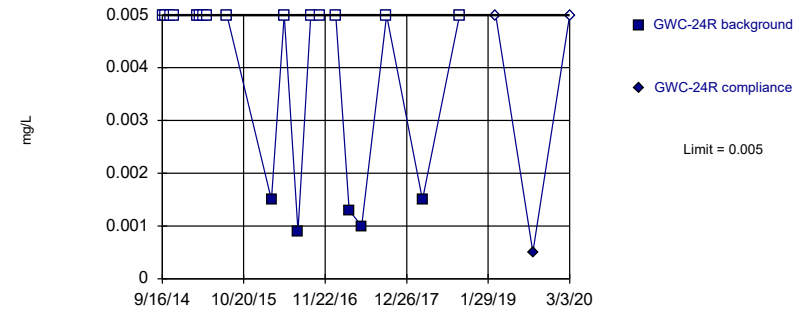


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

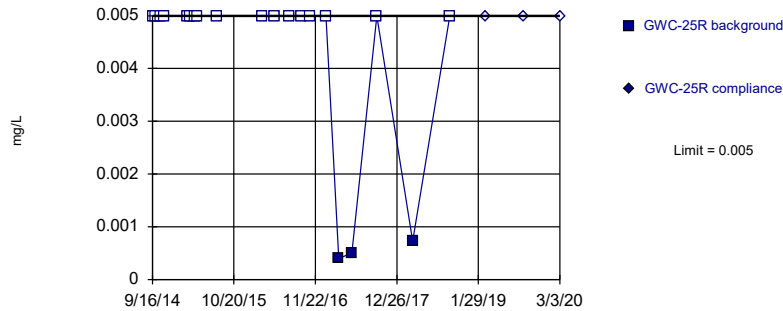


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:12 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

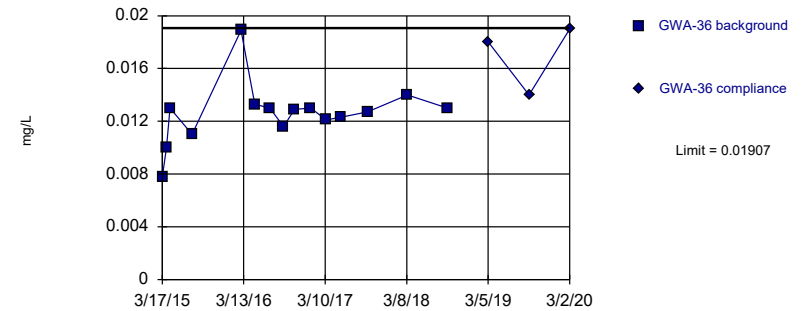


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01257, Std. Dev.=0.002339, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.851, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0006 (J)	
9/21/2017	<0.005	
3/14/2018	0.0014 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005
9/6/2019		0.00054 (J)
3/5/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	0.0015 (J)	
5/5/2016	<0.005	
7/12/2016	0.0009 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0013 (J)	
5/19/2017	0.001 (J)	
9/19/2017	<0.005	
3/13/2018	0.0015 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		0.0005 (JD)
3/3/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0004 (J)	
5/19/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	0.00073 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		<0.005
3/3/2020		<0.005

Prediction Limit

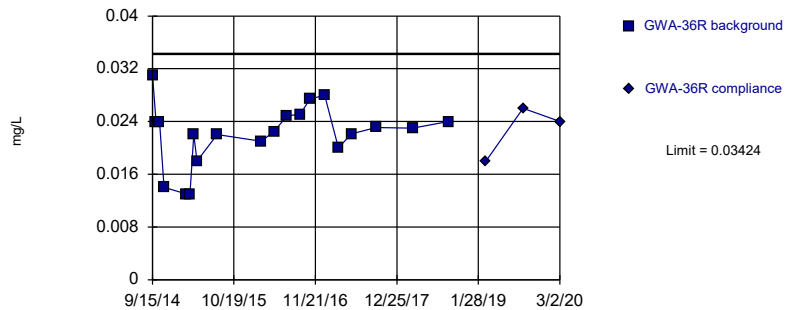
Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	0.0069	
10/3/2014	0.0045	
10/20/2014	0.0044	
11/10/2014	<0.0013	
3/2/2015	0.0045	
3/17/2015	0.0078	
4/5/2015	0.01	
4/21/2015	0.013	
7/28/2015	0.011	
3/1/2016	0.0189	
5/2/2016	0.0133	
7/7/2016	0.013	
9/7/2016	0.0116	
10/25/2016	0.0129	
1/5/2017	0.013	
3/15/2017	0.0121	
5/17/2017	0.0123	
9/15/2017	0.0127	
3/12/2018	0.014	
9/6/2018	0.013	
3/6/2019		0.018
9/4/2019		0.014
3/2/2020		0.019

Within Limit

Prediction Limit

Intrawell Parametric



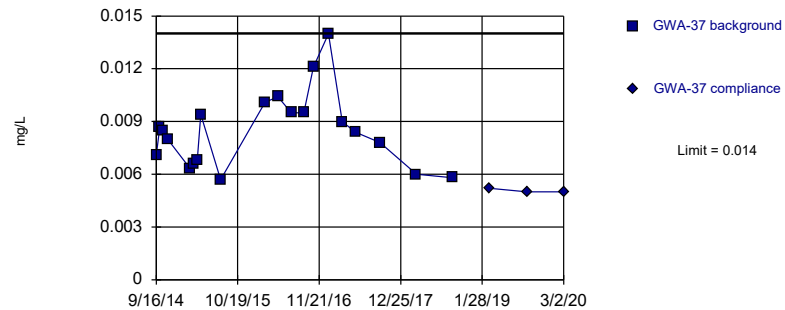
Background Data Summary: Mean=0.02211, Std. Dev.=0.004732, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9286, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



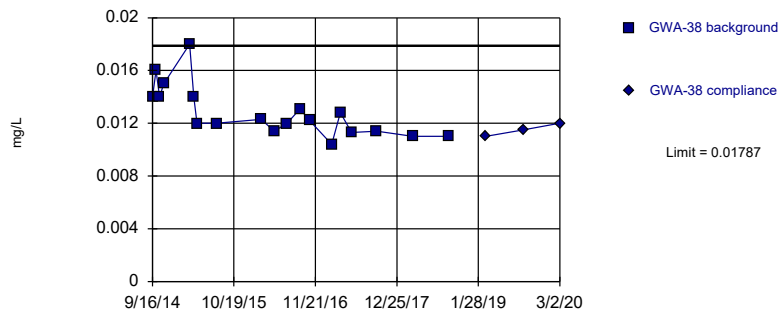
Background Data Summary: Mean=0.008485, Std. Dev.=0.002151, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



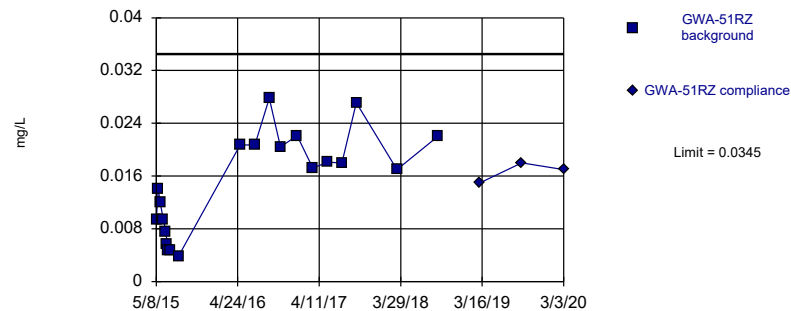
Background Data Summary: Mean=0.01284, Std. Dev.=0.001936, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01511, Std. Dev.=0.007558, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9362, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.031	
10/3/2014	0.024	
10/20/2014	0.024	
11/10/2014	0.014	
3/2/2015	0.013	
3/17/2015	0.013	
4/5/2015	0.022	
4/21/2015	0.018	
7/28/2015	0.022	
3/1/2016	0.021	
5/2/2016	0.0225	
7/6/2016	0.0249	
9/7/2016	0.0251	
10/25/2016	0.0274	
1/5/2017	0.028	
3/14/2017	0.02	
5/16/2017	0.0221	
9/15/2017	0.0231	
3/12/2018	0.023	
9/6/2018	0.024	
3/7/2019		0.018
9/4/2019		0.026
3/2/2020		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.0071	
10/3/2014	0.0087	
10/20/2014	0.0085	
11/10/2014	0.008	
3/2/2015	0.0063	
3/17/2015	0.0066	
4/5/2015	0.0068	
4/22/2015	0.0094	
7/28/2015	0.0057	
3/1/2016	0.0101	
5/3/2016	0.0104	
7/8/2016	0.0095 (J)	
9/7/2016	0.0095 (J)	
10/25/2016	0.0121	
1/6/2017	0.014	
3/14/2017	0.009 (J)	
5/16/2017	0.0084 (J)	
9/15/2017	0.0078 (J)	
3/12/2018	0.006 (J)	
9/6/2018	0.0058 (J)	
3/6/2019		0.0052 (J)
9/4/2019		0.005 (J)
3/2/2020		0.005 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.014	
10/3/2014	0.016	
10/20/2014	0.014	
11/10/2014	0.015	
3/2/2015	0.03 (o)	
3/17/2015	0.018	
4/6/2015	0.014	
4/22/2015	0.012	
7/28/2015	0.012	
3/2/2016	0.0123	
5/3/2016	0.0114	
7/7/2016	0.012	
9/8/2016	0.0131	
10/25/2016	0.0122	
2/9/2017	0.0104	
3/23/2017	0.0128	
5/17/2017	0.0113	
9/19/2017	0.0114	
3/13/2018	0.011	
9/6/2018	0.011	
3/7/2019		0.011
9/4/2019		0.0115 (D)
3/2/2020		0.012

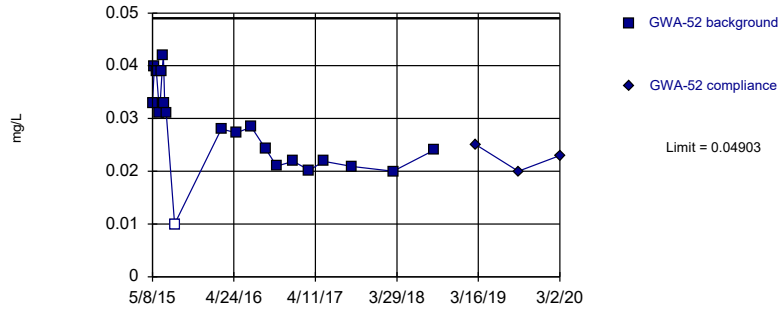
Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	0.0094	
5/17/2015	0.014	
5/25/2015	0.012	
6/8/2015	0.0094	
6/18/2015	0.0075	
6/24/2015	0.0056	
6/30/2015	0.0047	
7/6/2015	0.0047	
8/12/2015	0.00383 (J)	
5/4/2016	0.0207 (D)	
7/7/2016	0.0207 (D)	
9/8/2016	0.0278 (D)	
10/26/2016	0.0204 (D)	
1/6/2017	0.0221 (D)	
3/15/2017	0.0172 (D)	
5/18/2017	0.0181 (D)	
7/19/2017	0.018 (D)	
9/19/2017	0.0271 (D)	
3/13/2018	0.017	
9/7/2018	0.022	
3/8/2019		0.015
9/4/2019		0.018
3/3/2020		0.017

Within Limit

Prediction Limit Intrawell Parametric

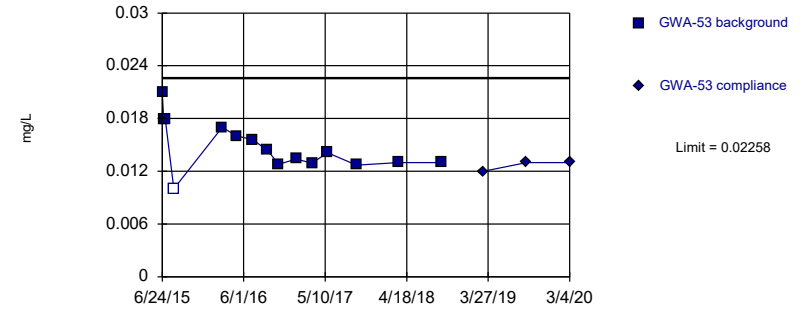


Background Data Summary: Mean=0.02779, Std. Dev.=0.008281, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

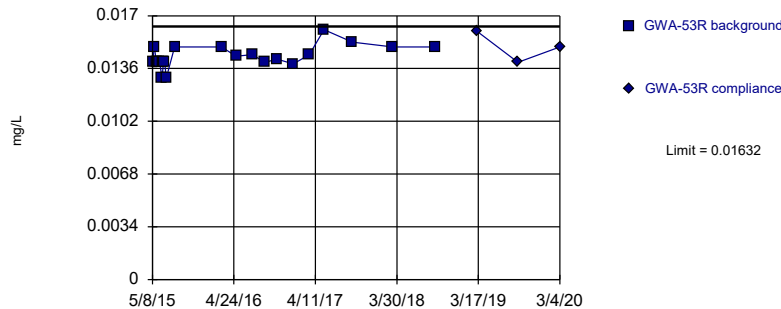


Background Data Summary: Mean=0.01479, Std. Dev.=0.002803, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

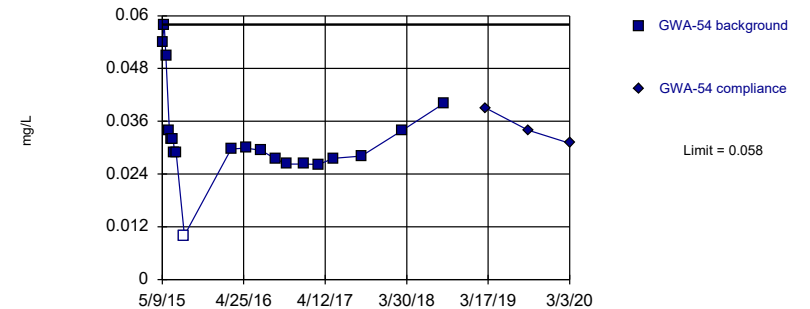


Background Data Summary: Mean=0.0144, Std. Dev.=0.0007501, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 5% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	0.033	
5/17/2015	0.04	
5/25/2015	0.039	
6/8/2015	0.031	
6/18/2015	0.039	
6/24/2015	0.042	
6/30/2015	0.033	
7/6/2015	0.031	
8/12/2015	<0.02	
2/29/2016	0.028	
5/4/2016	0.0273	
7/8/2016	0.0284	
9/8/2016	0.0242	
10/26/2016	0.021	
1/6/2017	0.0219	
3/15/2017	0.0202	
5/17/2017	0.0219	
9/15/2017	0.0209	
3/13/2018	0.02	
9/6/2018	0.024	
3/7/2019		0.025
9/4/2019		0.02
3/2/2020		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	0.044	
5/18/2015	0.04	
5/25/2015	0.036	
6/8/2015	0.028	
6/17/2015	0.026	
6/24/2015	0.021	
6/30/2015	0.018	
7/6/2015	0.018	
8/12/2015	<0.02	
3/2/2016	0.017	
5/3/2016	0.016	
7/8/2016	0.0156	
9/8/2016	0.0144	
10/26/2016	0.0128	
1/9/2017	0.0134	
3/16/2017	0.0129	
5/19/2017	0.0141	
9/19/2017	0.0127	
3/13/2018	0.013	
9/11/2018	0.013	
3/8/2019		0.012
9/5/2019		0.013
3/4/2020		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	0.014	
5/17/2015	0.015	
5/25/2015	0.014	
6/8/2015	0.014	
6/18/2015	0.013	
6/24/2015	0.014	
6/30/2015	0.014	
7/6/2015	0.013	
8/12/2015	0.015 (J)	
3/2/2016	0.015	
5/3/2016	0.0144	
7/11/2016	0.0145	
9/7/2016	0.014	
10/27/2016	0.0142	
1/6/2017	0.0139	
3/16/2017	0.0145	
5/19/2017	0.0161	
9/19/2017	0.0153	
3/13/2018	0.015	
9/11/2018	0.015	
3/12/2019		0.016
9/5/2019		0.014
3/4/2020		0.015

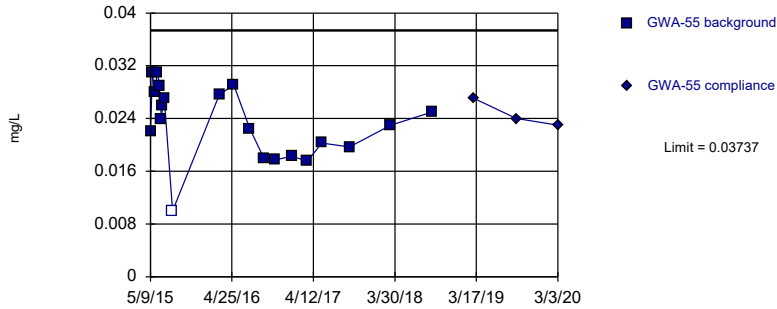
Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	0.054	
5/18/2015	0.058	
5/25/2015	0.051	
6/9/2015	0.034	
6/17/2015	0.032	
6/25/2015	0.032	
7/1/2015	0.029	
7/7/2015	0.029	
8/12/2015	<0.02	
3/2/2016	0.0297	
5/4/2016	0.0299	
7/8/2016	0.0294	
9/8/2016	0.0275	
10/26/2016	0.0263	
1/9/2017	0.0263	
3/15/2017	0.0262	
5/18/2017	0.0276	
9/15/2017	0.0281	
3/13/2018	0.034	
9/6/2018	0.04	
3/7/2019		0.039
9/5/2019		0.034
3/3/2020		0.031

Within Limit

Prediction Limit
 Intrawell Parametric

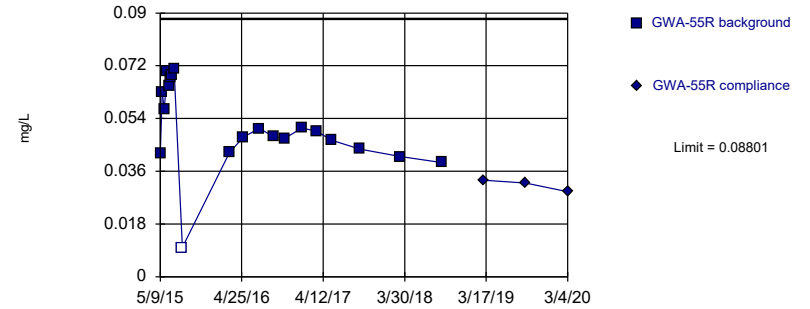


Background Data Summary: Mean=0.02333, Std. Dev.=0.005472, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9513, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

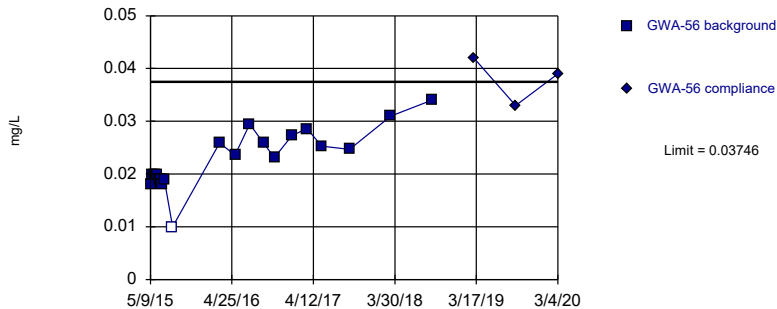


Background Data Summary: Mean=0.05106, Std. Dev.=0.0144, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8917, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Exceeds Limit

Prediction Limit
 Intrawell Parametric

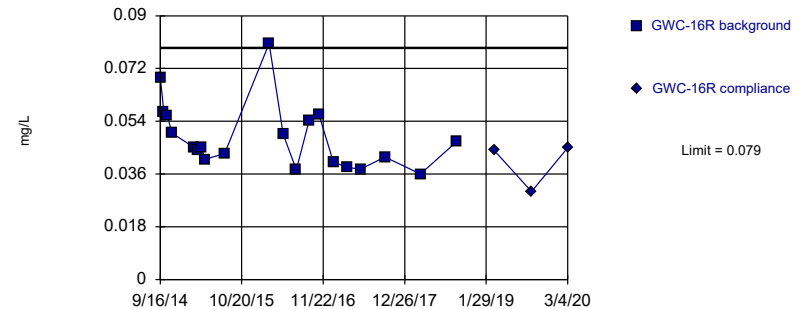


Background Data Summary: Mean=0.02309, Std. Dev.=0.005602, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9649, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2188, Std. Dev.=0.02428, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8997, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	0.022	
5/18/2015	0.031	
5/26/2015	0.028	
6/9/2015	0.031	
6/17/2015	0.029	
6/25/2015	0.024	
7/1/2015	0.026	
7/7/2015	0.027	
8/12/2015	<0.02	
3/2/2016	0.0276	
5/3/2016	0.0291	
7/11/2016	0.0225	
9/9/2016	0.018	
10/26/2016	0.0177	
1/9/2017	0.0183	
3/16/2017	0.0175	
5/18/2017	0.0203	
9/15/2017	0.0197	
3/12/2018	0.023	
9/7/2018	0.025	
3/8/2019		0.027
9/5/2019		0.024
3/3/2020		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	0.042	
5/18/2015	0.063	
5/26/2015	0.057	
6/9/2015	0.07	
6/17/2015	0.065	
6/25/2015	0.068	
7/1/2015	0.069	
7/7/2015	0.071	
8/12/2015	<0.02	
3/3/2016	0.0424	
5/3/2016	0.0477	
7/11/2016	0.0506	
9/9/2016	0.0478	
10/27/2016	0.0472	
1/9/2017	0.0507	
3/16/2017	0.0497	
5/18/2017	0.0466	
9/18/2017	0.0436	
3/12/2018	0.041	
9/7/2018	0.039	
3/7/2019		0.033
9/5/2019		0.032
3/4/2020		0.029

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	0.018	
5/19/2015	0.02	
5/26/2015	0.02	
6/9/2015	0.02	
6/17/2015	0.019	
6/25/2015	0.019	
7/1/2015	0.018	
7/7/2015	0.019	
8/12/2015	<0.02	
3/3/2016	0.0259	
5/9/2016	0.0236	
7/11/2016	0.0295	
9/9/2016	0.0259	
10/26/2016	0.0231	
1/9/2017	0.0273	
3/15/2017	0.0286	
5/18/2017	0.0253	
9/15/2017	0.0247	
3/13/2018	0.031	
9/7/2018	0.034	
3/7/2019		0.042
9/4/2019		0.033
3/4/2020		0.039

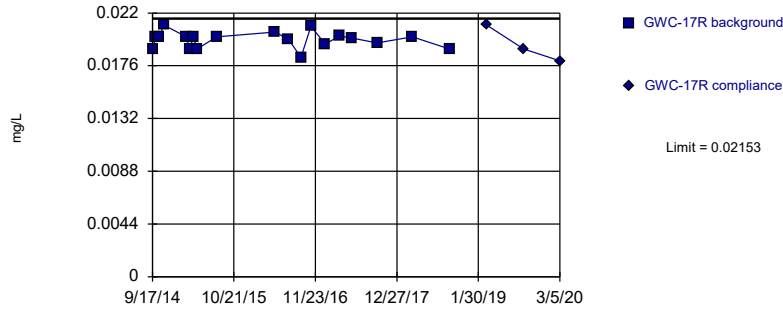
Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.069	
10/4/2014	0.057	
10/21/2014	0.056	
11/11/2014	0.05	
3/3/2015	0.045	
3/18/2015	0.044	
4/6/2015	0.045	
4/23/2015	0.041	
7/29/2015	0.043	
3/3/2016	0.0806 (D)	
5/10/2016	0.0495	
7/13/2016	0.0374	
9/15/2016	0.0542	
11/2/2016	0.0561	
1/11/2017	0.0401	
3/20/2017	0.0383	
5/23/2017	0.0376	
9/21/2017	0.0418	
3/14/2018	0.036	
9/7/2018	0.047	
3/11/2019		0.044
9/9/2019		0.03
3/4/2020		0.045

Within Limit

Prediction Limit
Intrawell Parametric

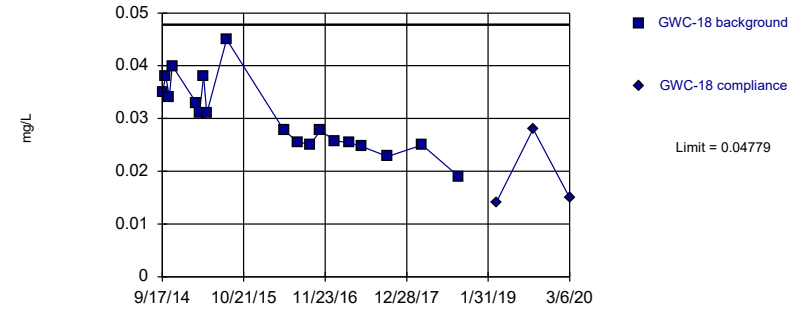


Background Data Summary: Mean=0.01975, Std. Dev.=0.0006818, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

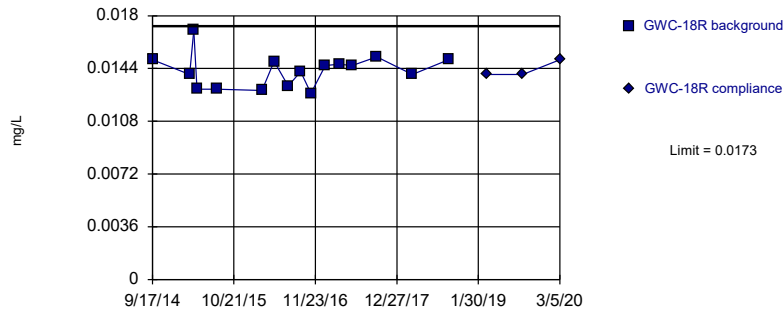


Background Data Summary: Mean=0.0302, Std. Dev.=0.006763, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9507, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

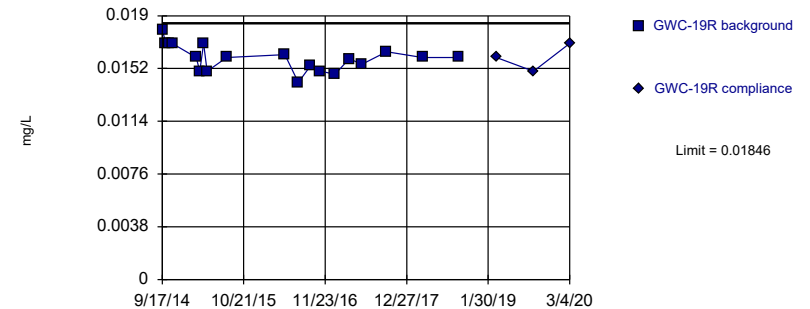


Background Data Summary: Mean=0.01425, Std. Dev.=0.001127, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9188, critical = 0.844. Kappa = 2.709 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01597, Std. Dev.=0.0009569, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9654, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.019	
10/4/2014	0.02	
10/21/2014	0.02	
11/11/2014	0.021	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.02	
3/4/2016	0.0262 (Jo)	
5/10/2016	0.0204	
7/14/2016	0.0198	
9/14/2016	0.0183	
11/1/2016	0.0209	
1/11/2017	0.0194	
3/21/2017	0.0201	
5/23/2017	0.0199	
9/22/2017	0.0195	
3/14/2018	0.02	
9/11/2018	0.019	
3/12/2019		0.021
9/10/2019		0.019
3/5/2020		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	0.035	
10/4/2014	0.038	
10/21/2014	0.034	
11/5/2014	0.04	
3/3/2015	0.033	
3/18/2015	0.031	
4/7/2015	0.038	
4/23/2015	0.031	
7/29/2015	0.045	
3/7/2016	<3 (o)	
5/5/2016	0.0278	
7/13/2016	0.0255	
9/13/2016	0.0251	
10/31/2016	0.0277	
1/12/2017	0.0258	
3/23/2017	0.0254	
5/23/2017	0.0247	
9/25/2017	0.0228	
3/14/2018	0.025	
9/11/2018	0.019	
3/12/2019		0.014
9/9/2019		0.028
3/6/2020		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

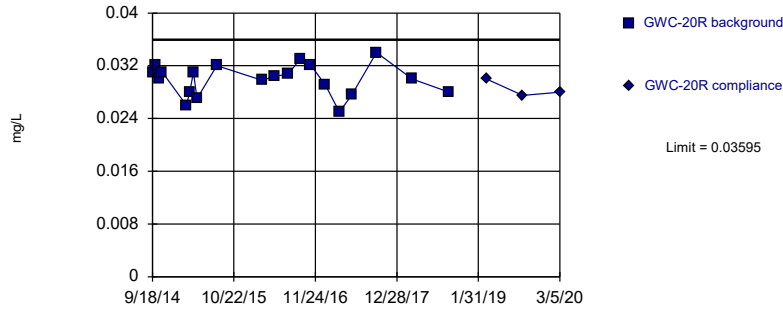
	GWC-18R	GWC-18R
9/17/2014	0.015	
10/4/2014	<0.0013 (o)	
10/21/2014	0.027 (o)	
11/11/2014	0.028 (o)	
3/3/2015	0.034 (o)	
3/18/2015	0.014	
4/7/2015	0.017	
4/23/2015	0.013	
7/29/2015	0.013	
3/7/2016	0.0129	
5/5/2016	0.0149	
7/13/2016	0.0132	
9/12/2016	0.0142	
11/1/2016	0.0127	
1/11/2017	0.0146	
3/20/2017	0.0147	
5/22/2017	0.0146	
9/21/2017	0.0152	
3/14/2018	0.014	
9/7/2018	0.015	
3/12/2019		0.014
9/6/2019		0.014
3/5/2020		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.018	
10/4/2014	0.017	
10/21/2014	0.017	
11/5/2014	0.017	
3/3/2015	0.016	
3/19/2015	0.015	
4/7/2015	0.017	
4/24/2015	0.015	
7/29/2015	0.016	
3/7/2016	<3 (o)	
5/9/2016	0.0162	
7/14/2016	0.0142	
9/12/2016	0.0154	
10/31/2016	0.015	
1/11/2017	0.0148	
3/21/2017	0.0159	
5/22/2017	0.0155	
9/20/2017	0.0164	
3/14/2018	0.016	
9/10/2018	0.016	
3/12/2019		0.016
9/9/2019		0.015
3/4/2020		0.017

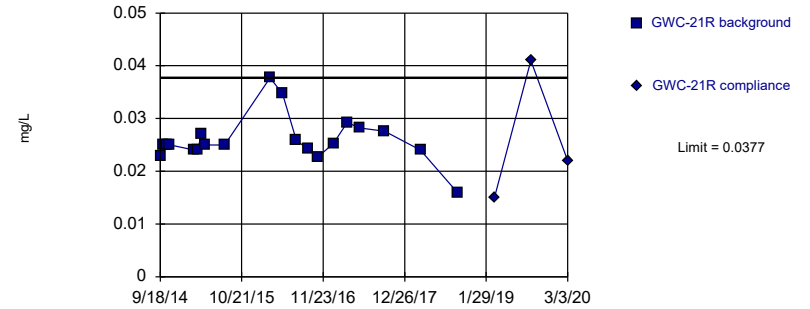
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02989, Std. Dev.=0.002362, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

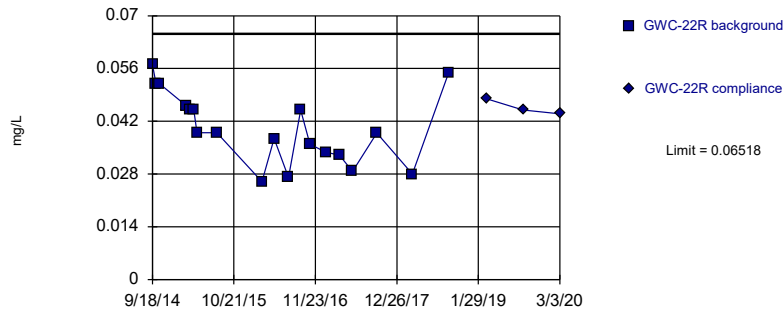
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

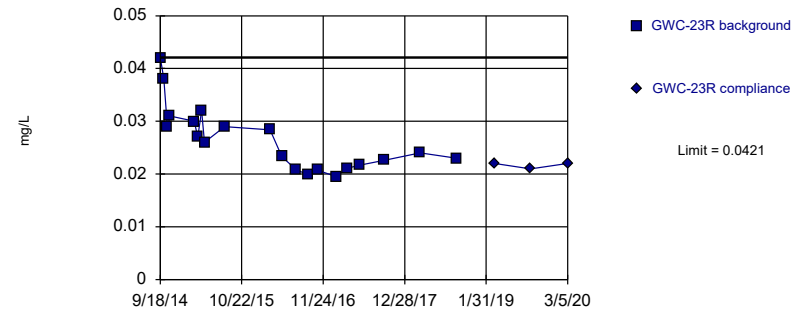
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.0402, Std. Dev.=0.009605, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.951, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02645, Std. Dev.=0.006104, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8978, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.031	
10/5/2014	0.032	
10/22/2014	0.03	
11/5/2014	0.031	
3/4/2015	0.026	
3/19/2015	0.028	
4/7/2015	0.031	
4/24/2015	0.027	
7/30/2015	0.032	
3/8/2016	0.0298	
5/9/2016	0.0304	
7/14/2016	0.0307	
9/12/2016	0.0331	
10/31/2016	0.0321	
1/12/2017	0.0291	
3/22/2017	0.025	
5/22/2017	0.0276	
9/19/2017	0.034	
3/14/2018	0.03	
9/10/2018	0.028	
3/12/2019		0.03
9/6/2019		0.0275 (D)
3/5/2020		0.028

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.023	
10/5/2014	0.025	
10/22/2014	0.025	
11/5/2014	0.025	
3/4/2015	0.024	
3/19/2015	0.024	
4/8/2015	0.027	
4/24/2015	0.025	
7/30/2015	0.025	
3/8/2016	0.0377	
5/9/2016	0.0347	
7/15/2016	0.0259	
9/9/2016	0.0242	
10/27/2016	0.0227	
1/12/2017	0.0253	
3/21/2017	0.0292	
5/23/2017	0.0282	
9/19/2017	0.0276	
3/14/2018	0.024	
9/10/2018	0.016	
3/11/2019		0.015
9/6/2019		0.041
3/3/2020		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.057	
10/5/2014	0.052	
10/22/2014	0.052	
11/5/2014	<0.0013 (o)	
3/4/2015	0.046	
3/19/2015	0.045	
4/8/2015	0.045	
4/24/2015	0.039	
7/30/2015	0.039	
3/7/2016	0.026	
5/5/2016	0.0374	
7/14/2016	0.0271	
9/12/2016	0.045	
10/27/2016	0.0359	
1/13/2017	0.0338	
3/20/2017	0.033	
5/23/2017	0.0287	
9/19/2017	0.0389	
3/13/2018	0.028	
9/7/2018	0.055	
3/11/2019		0.048
9/5/2019		0.045
3/3/2020		0.044

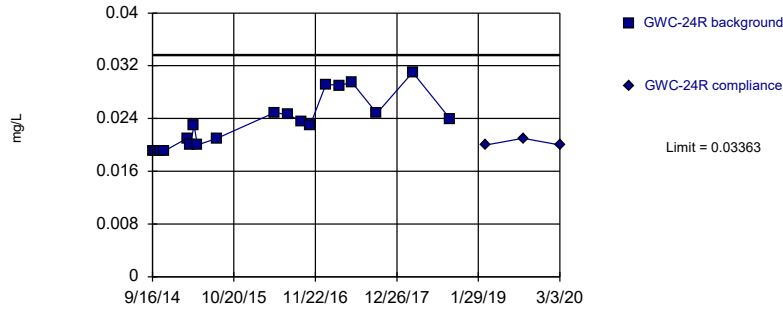
Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.042	
10/5/2014	0.038	
10/22/2014	0.029	
11/5/2014	0.031	
3/4/2015	0.03	
3/20/2015	0.027	
4/8/2015	0.032	
4/23/2015	0.026	
7/30/2015	0.029	
3/9/2016	0.0284 (J)	
5/6/2016	0.0233	
7/15/2016	0.0208	
9/14/2016	0.0198	
11/1/2016	0.0207	
1/25/2017	0.0195	
3/22/2017	0.0211	
5/24/2017	0.0217	
9/21/2017	0.0226	
3/14/2018	0.024	
9/11/2018	0.023	
3/12/2019		0.022
9/6/2019		0.021
3/5/2020		0.022

Within Limit

Prediction Limit
Intrawell Parametric

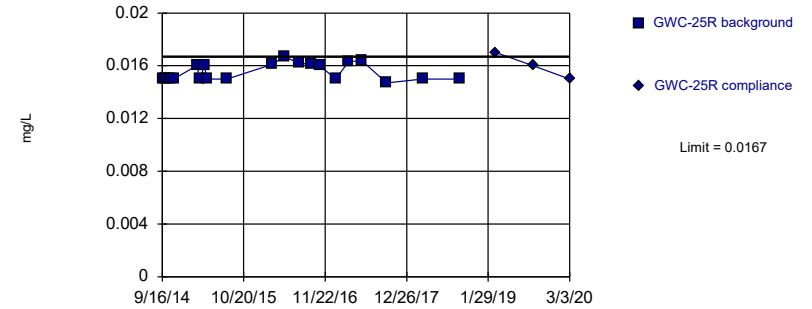


Background Data Summary: Mean=0.02339, Std. Dev.=0.003934, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8951, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

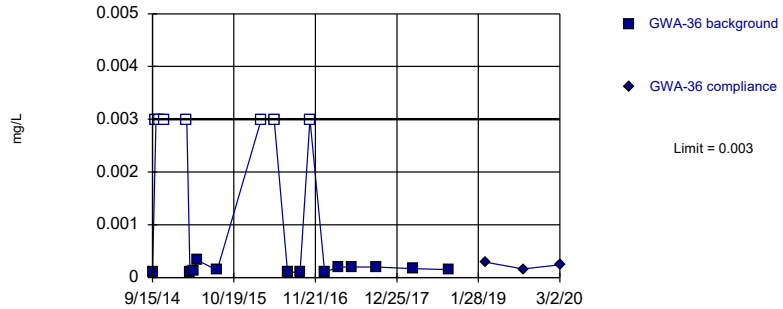


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

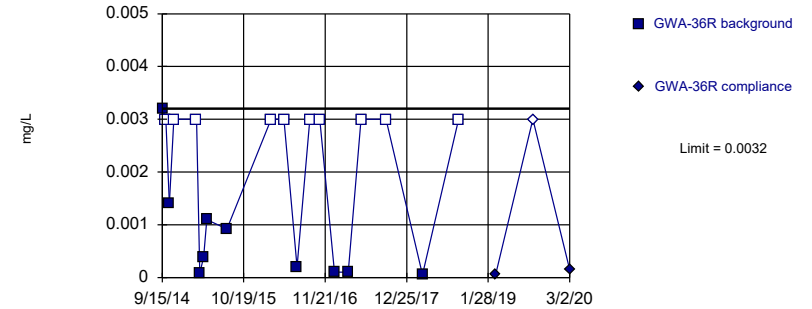


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.019	
10/4/2014	0.019	
10/23/2014	0.019	
11/10/2014	0.019	
3/4/2015	0.021	
3/20/2015	0.02	
4/8/2015	0.023	
4/23/2015	0.02	
7/30/2015	0.021	
3/4/2016	0.0422 (o)	
5/5/2016	0.0249	
7/12/2016	0.0246	
9/13/2016	0.0236	
10/27/2016	0.0229	
1/13/2017	0.0292	
3/20/2017	0.029	
5/19/2017	0.0295	
9/19/2017	0.0248	
3/13/2018	0.031	
9/11/2018	0.024	
3/8/2019		0.02
9/5/2019		0.021 (D)
3/3/2020		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.015	
10/4/2014	0.015	
10/23/2014	0.015	
11/10/2014	0.015	
3/4/2015	0.016	
3/20/2015	0.015	
4/9/2015	0.016	
4/23/2015	0.015	
7/30/2015	0.015	
3/8/2016	0.0161	
5/4/2016	0.0167	
7/18/2016	0.0162	
9/13/2016	0.0161	
10/27/2016	0.016	
1/13/2017	0.015	
3/16/2017	0.0163	
5/19/2017	0.0164	
9/19/2017	0.0147	
3/13/2018	0.015	
9/11/2018	0.015	
3/8/2019		0.017
9/5/2019		0.016
3/3/2020		0.015

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	0.00011 (J)	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	0.0001 (J)	
4/5/2015	0.00012 (J)	
4/21/2015	0.00033 (J)	
7/28/2015	0.00014 (J)	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/7/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.003	
1/5/2017	0.0001 (J)	
3/15/2017	0.0002 (J)	
5/17/2017	0.0002 (J)	
9/15/2017	0.0002 (J)	
3/12/2018	0.00017 (J)	
9/6/2018	0.00015 (J)	
3/6/2019		0.00029 (J)
9/4/2019		0.00016 (J)
3/2/2020		0.00024 (J)

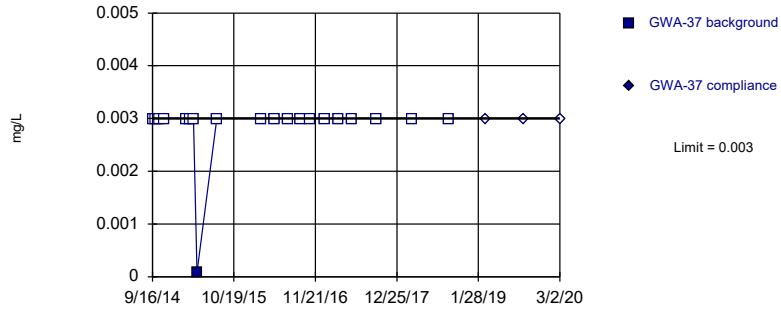
Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0032	
10/3/2014	<0.003	
10/20/2014	0.0014	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	8.3E-05 (J)	
4/5/2015	0.00038 (J)	
4/21/2015	0.0011 (J)	
7/28/2015	0.00092 (J)	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	0.0002 (J)	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	0.0001 (J)	
3/14/2017	0.0001 (J)	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	5.6E-05 (J)	
9/6/2018	<0.003	
3/7/2019		6.8E-05 (J)
9/4/2019		<0.003
3/2/2020		0.00015 (J)

Within Limit

Prediction Limit Intrawell Non-parametric

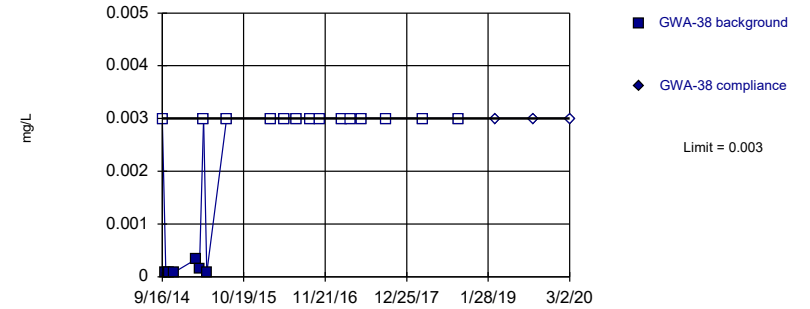


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

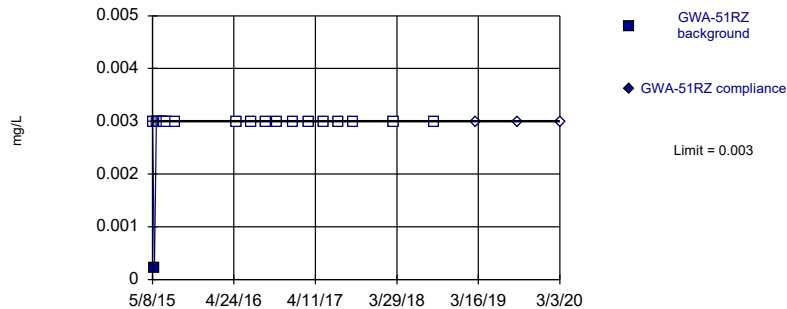


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

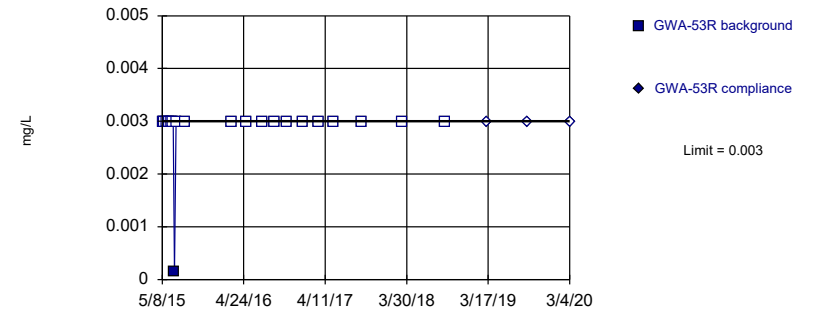


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/22/2015	8.3E-05 (J)	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/6/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019		<0.003
9/4/2019		<0.003
3/2/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.003	
10/3/2014	8.3E-05 (J)	
10/20/2014	7.8E-05 (J)	
11/10/2014	8E-05 (J)	
3/2/2015	0.00034 (J)	
3/17/2015	0.00014 (J)	
4/6/2015	<0.003	
4/22/2015	7.8E-05 (J)	
7/28/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/25/2016	<0.003	
2/9/2017	<0.003	
3/23/2017	<0.003	
5/17/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019		<0.003
9/4/2019		<0.003 (D)
3/2/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.003	
5/17/2015	0.00022 (J)	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/18/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
5/4/2016	<0.003 (D)	
7/7/2016	<0.003 (D)	
9/8/2016	<0.003 (D)	
10/26/2016	<0.003 (D)	
1/6/2017	<0.003 (D)	
3/15/2017	<0.003 (D)	
5/18/2017	<0.003 (D)	
7/19/2017	<0.003 (D)	
9/19/2017	<0.003 (D)	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003
9/4/2019		<0.003
3/3/2020		<0.003

Prediction Limit

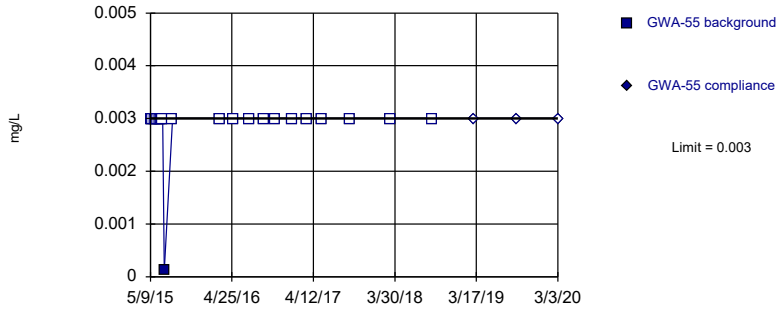
Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.003	
5/17/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/18/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	0.00014 (J)	
7/6/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/7/2016	<0.003	
10/27/2016	<0.003	
1/6/2017	<0.003	
3/16/2017	<0.003	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/5/2019		<0.003
3/4/2020		<0.003

Within Limit

Prediction Limit Intrawell Non-parametric

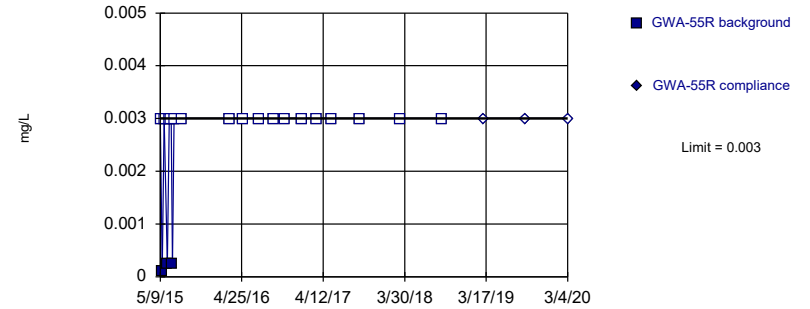


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

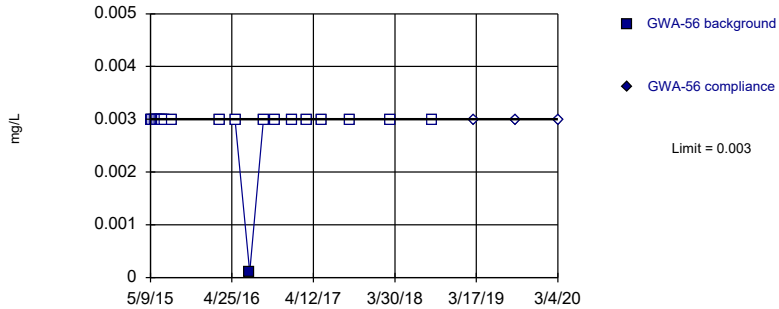


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

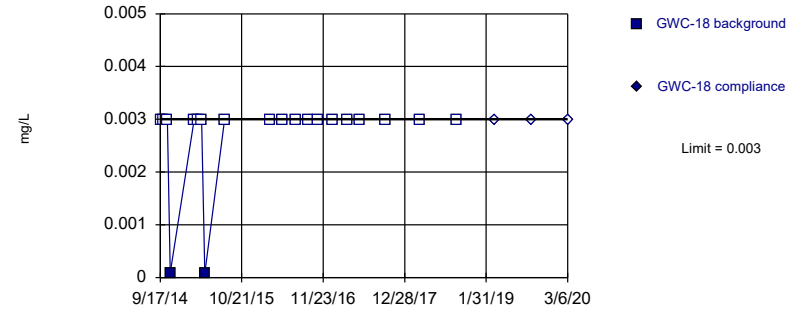


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.003	
5/18/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	0.00012 (J)	
8/12/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003
9/5/2019		<0.003
3/3/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.003	
5/18/2015	0.00011 (J)	
5/26/2015	<0.003	
6/9/2015	0.00025 (J)	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	0.00024 (J)	
7/7/2015	<0.003	
8/12/2015	<0.003	
3/3/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/27/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/18/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003
9/5/2019		<0.003
3/4/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.003	
5/19/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/12/2015	<0.003	
3/3/2016	<0.003	
5/9/2016	<0.003	
7/11/2016	0.0001 (J)	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003
9/4/2019		<0.003
3/4/2020		<0.003

Prediction Limit

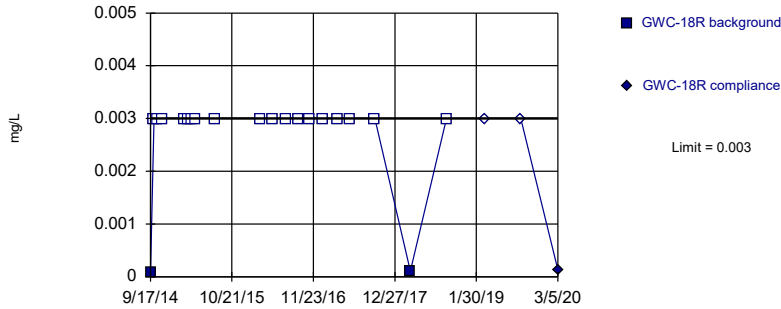
Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	9E-05 (J)	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	7.8E-05 (J)	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/9/2019		<0.003
3/6/2020		<0.003

Within Limit

Prediction Limit
Intrawell Non-parametric

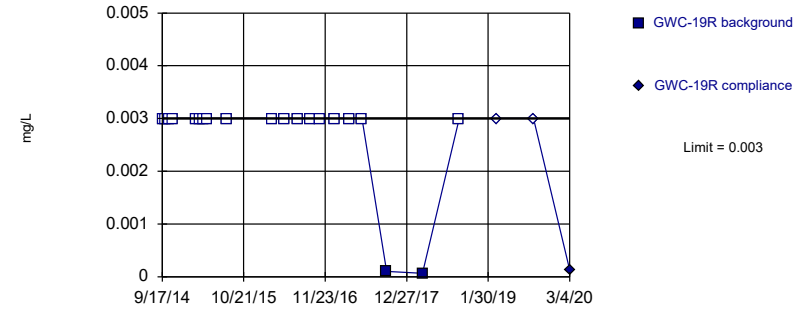


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

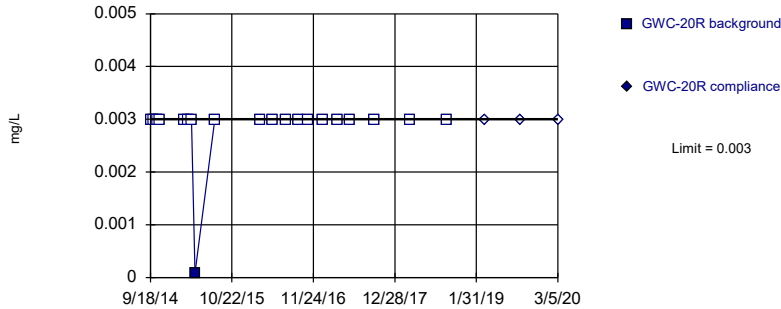


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

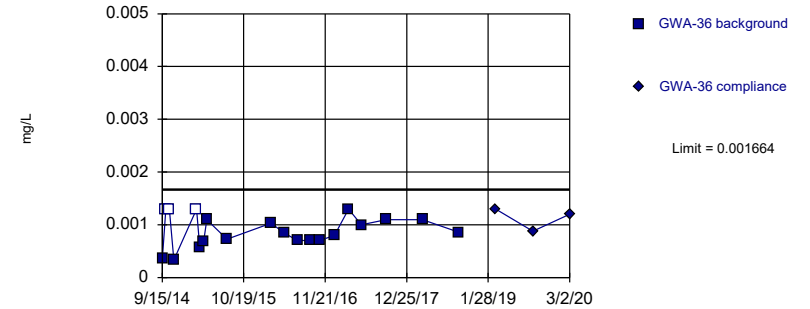


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.0008898, Std. Dev.=0.000302, n=20, 15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	7.8E-05 (J)	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	<0.003	
5/22/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	0.00011 (J)	
9/7/2018	<0.003	
3/12/2019		<0.003
9/6/2019		<0.003
3/5/2020		0.00013 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/22/2017	<0.003	
9/20/2017	0.0001 (J)	
3/14/2018	6.5E-05 (J)	
9/10/2018	<0.003	
3/12/2019		<0.003
9/9/2019		<0.003
3/4/2020		0.00013 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	8.3E-05 (J)	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019		<0.003
9/6/2019		<0.003 (D)
3/5/2020		<0.003

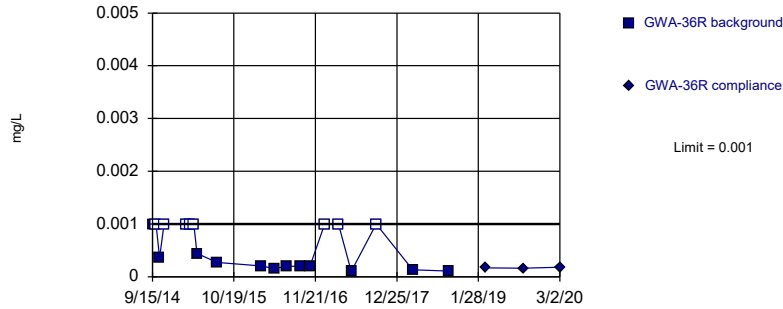
Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	0.00035 (J)	
10/3/2014	<0.0013	
10/20/2014	<0.0013	
11/10/2014	0.00033 (J)	
3/2/2015	<0.0013	
3/17/2015	0.00057 (J)	
4/5/2015	0.00068 (J)	
4/21/2015	0.0011 (J)	
7/28/2015	0.00073 (J)	
3/1/2016	0.00103	
5/2/2016	0.000846 (J)	
7/7/2016	0.0007 (J)	
9/7/2016	0.0007 (J)	
10/25/2016	0.0007 (J)	
1/5/2017	0.0008 (J)	
3/15/2017	0.0013	
5/17/2017	0.001	
9/15/2017	0.0011	
3/12/2018	0.0011	
9/6/2018	0.00086 (J)	
3/6/2019		0.0013
9/4/2019		0.00088 (J)
3/2/2020		0.0012 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

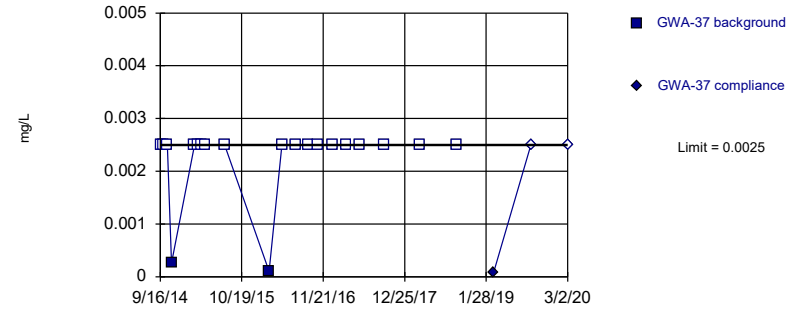


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

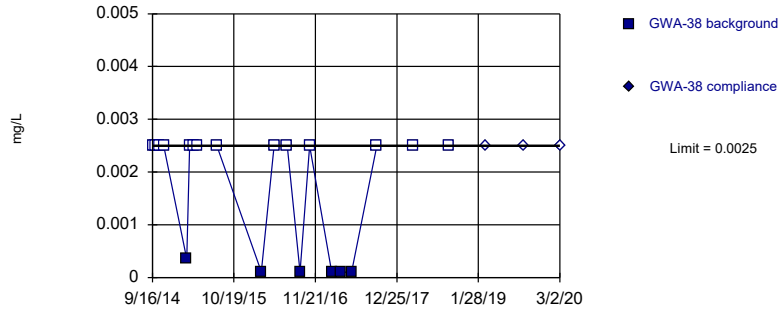


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

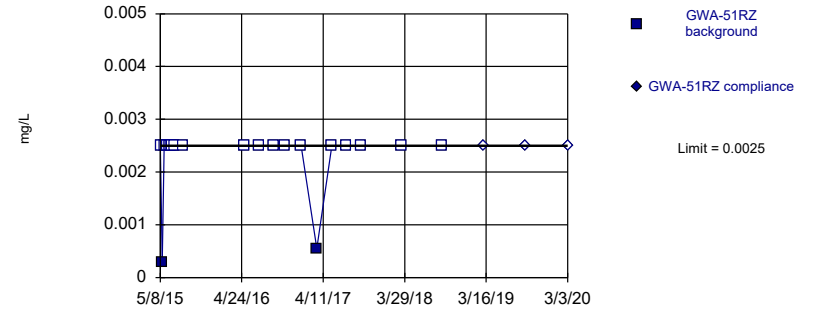


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.001 (J)	
10/3/2014	<0.001	
10/20/2014	0.00036 (J)	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/21/2015	0.00044 (J)	
7/28/2015	0.00027 (J)	
3/1/2016	0.000207 (J)	
5/2/2016	0.000154 (J)	
7/6/2016	0.0002 (J)	
9/7/2016	0.0002 (J)	
10/25/2016	0.0002 (J)	
1/5/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	0.0001 (J)	
9/15/2017	<0.001	
3/12/2018	0.00013 (J)	
9/6/2018	0.00011 (J)	
3/7/2019		0.00017 (J)
9/4/2019		0.00016 (J)
3/2/2020		0.00018 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.0025	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	0.00026 (J)	
3/2/2015	<0.0025	
3/17/2015	<0.0025	
4/5/2015	<0.0025	
4/22/2015	<0.0025	
7/28/2015	<0.0025	
3/1/2016	0.000103 (J)	
5/3/2016	<0.0025	
7/8/2016	<0.0025	
9/7/2016	<0.0025	
10/25/2016	<0.0025	
1/6/2017	<0.0025	
3/14/2017	<0.0025	
5/16/2017	<0.0025	
9/15/2017	<0.0025	
3/12/2018	<0.0025	
9/6/2018	<0.0025	
3/6/2019		9.3E-05 (J)
9/4/2019		<0.0025
3/2/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.0025	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	<0.0025	
3/2/2015	0.00035 (J)	
3/17/2015	<0.0025	
4/6/2015	<0.0025	
4/22/2015	<0.0025	
7/28/2015	<0.0025	
3/2/2016	0.000109 (J)	
5/3/2016	<0.0025	
7/7/2016	<0.0025	
9/8/2016	0.0001 (J)	
10/25/2016	<0.0025	
2/9/2017	0.0001 (J)	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.0025	
3/13/2018	<0.0025	
9/6/2018	<0.0025	
3/7/2019		<0.0025
9/4/2019		<0.0025 (D)
3/2/2020		<0.0025

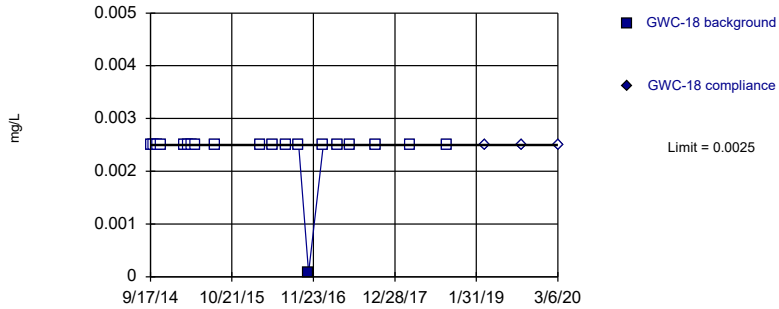
Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.0025	
5/17/2015	0.00029 (J)	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/18/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.0025	
5/4/2016	<0.0025 (D)	
7/7/2016	<0.0025 (D)	
9/8/2016	<0.0025 (D)	
10/26/2016	<0.0025 (D)	
1/6/2017	<0.0025 (D)	
3/15/2017	0.00055 (D)	
5/18/2017	<0.0025 (D)	
7/19/2017	<0.0025 (D)	
9/19/2017	<0.0025 (D)	
3/13/2018	<0.0025	
9/7/2018	<0.0025	
3/8/2019		<0.0025
9/4/2019		<0.0025
3/3/2020		<0.0025

Within Limit

Prediction Limit
 Intrawell Non-parametric

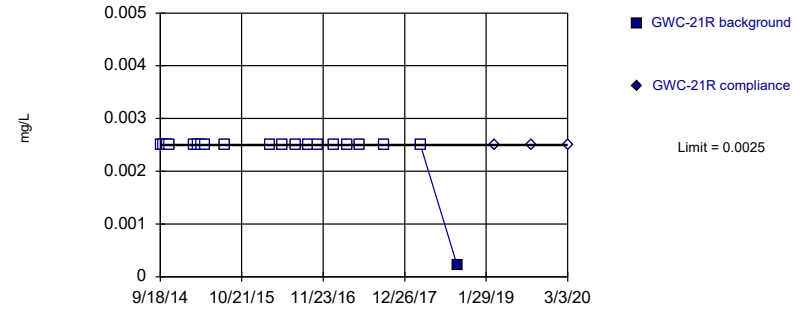


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

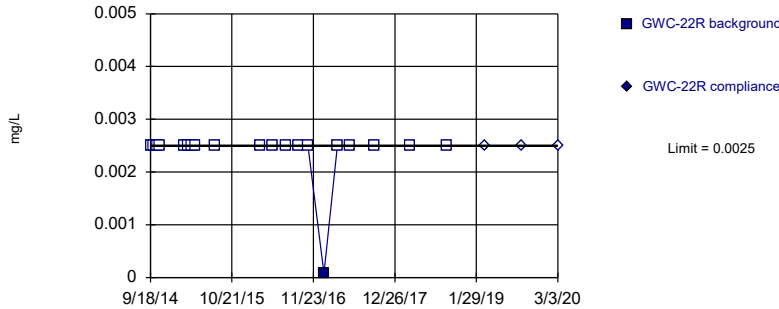


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

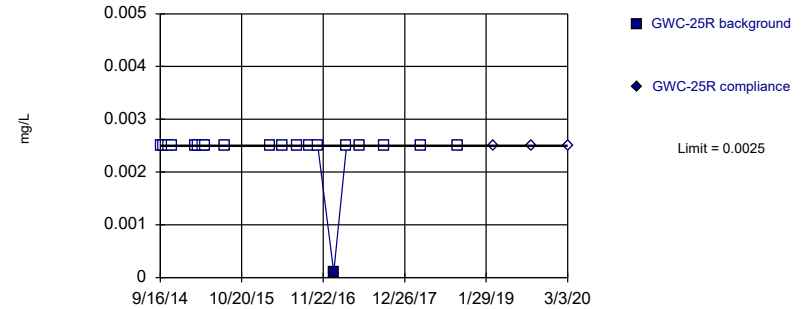


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/5/2014	<0.0025	
3/3/2015	<0.0025	
3/18/2015	<0.0025	
4/7/2015	<0.0025	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/7/2016	<0.0025	
5/5/2016	<0.0025	
7/13/2016	<0.0025	
9/13/2016	<0.0025	
10/31/2016	8E-05 (J)	
1/12/2017	<0.0025	
3/23/2017	<0.0025	
5/23/2017	<0.0025	
9/25/2017	<0.0025	
3/14/2018	<0.0025	
9/11/2018	<0.0025	
3/12/2019		<0.0025
9/9/2019		<0.0025
3/6/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/8/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.0025	
5/9/2016	<0.0025	
7/15/2016	<0.0025	
9/9/2016	<0.0025	
10/27/2016	<0.0025	
1/12/2017	<0.0025	
3/21/2017	<0.0025	
5/23/2017	<0.0025	
9/19/2017	<0.0025	
3/14/2018	<0.0025	
9/10/2018	0.00021 (J)	
3/11/2019		<0.0025
9/6/2019		<0.0025
3/3/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/8/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/7/2016	<0.0025	
5/5/2016	<0.0025	
7/14/2016	<0.0025	
9/12/2016	<0.0025	
10/27/2016	<0.0025	
1/13/2017	8E-05 (J)	
3/20/2017	<0.0025	
5/23/2017	<0.0025	
9/19/2017	<0.0025	
3/13/2018	<0.0025	
9/7/2018	<0.0025	
3/11/2019		<0.0025
9/5/2019		<0.0025
3/3/2020		<0.0025

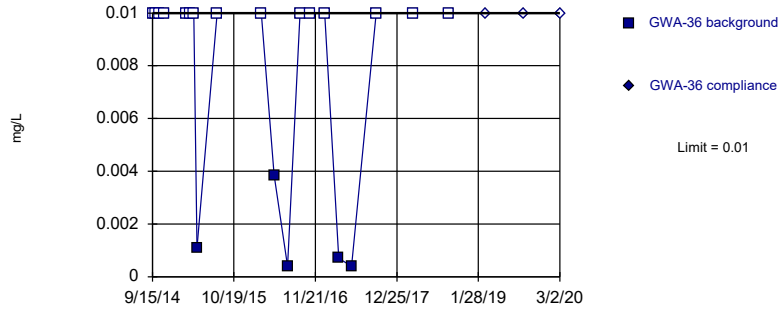
Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.0025	
10/4/2014	<0.0025	
10/23/2014	<0.0025	
11/10/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/9/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.0025	
5/4/2016	<0.0025	
7/18/2016	<0.0025	
9/13/2016	<0.0025	
10/27/2016	<0.0025	
1/13/2017	0.0001 (J)	
3/16/2017	<0.0025	
5/19/2017	<0.0025	
9/19/2017	<0.0025	
3/13/2018	<0.0025	
9/11/2018	<0.0025	
3/8/2019		<0.0025
9/5/2019		<0.0025
3/3/2020		<0.0025

Within Limit

Prediction Limit
Intrawell Non-parametric

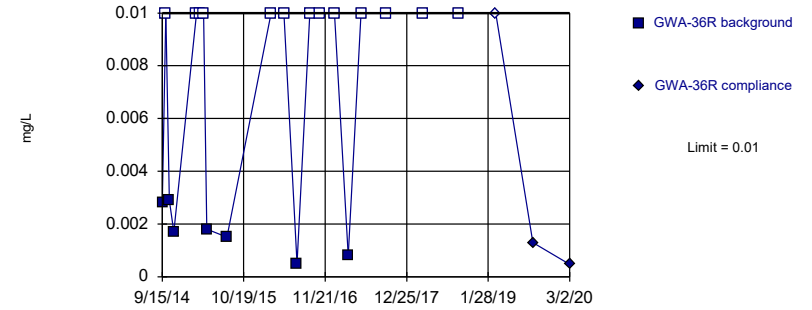


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

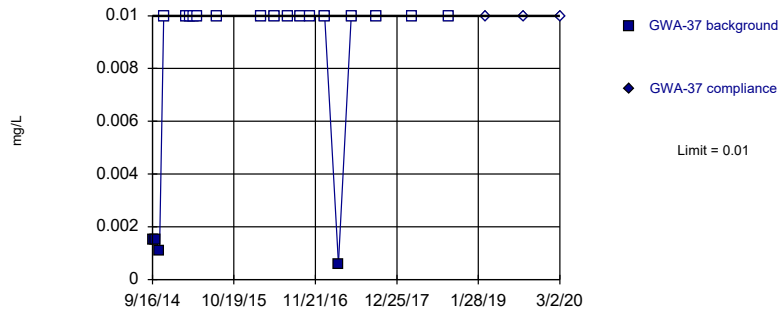


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

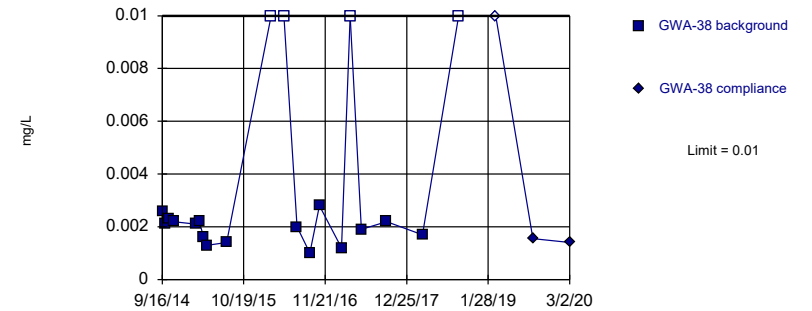


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 20% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/21/2015	0.0011 (J)	
7/28/2015	<0.01	
3/1/2016	<0.01	
5/2/2016	0.00385 (J)	
7/7/2016	0.0004 (J)	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/15/2017	0.0007 (J)	
5/17/2017	0.0004 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0028	
10/3/2014	<0.01	
10/20/2014	0.0029	
11/10/2014	0.0017	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/21/2015	0.0018	
7/28/2015	0.0015	
3/1/2016	<0.01	
5/2/2016	<0.01	
7/6/2016	0.0005 (J)	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/14/2017	0.0008 (J)	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.0013 (J)
3/2/2020		0.00047 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.0015	
10/3/2014	0.0015	
10/20/2014	0.0011 (J)	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/1/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	<0.01	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/6/2017	<0.01	
3/14/2017	0.0006 (J)	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01

Prediction Limit

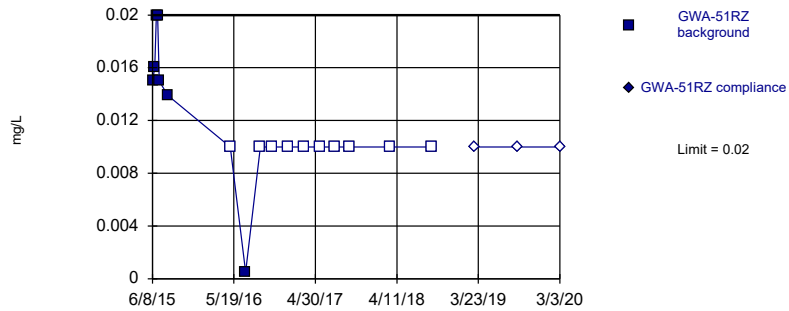
Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.0026	
10/3/2014	0.0021	
10/20/2014	0.0023	
11/10/2014	0.0022	
3/2/2015	0.0021	
3/17/2015	0.0022	
4/6/2015	0.0016	
4/22/2015	0.0013	
7/28/2015	0.0014	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/7/2016	0.002 (J)	
9/8/2016	0.001 (J)	
10/25/2016	0.0028 (J)	
2/9/2017	0.0012 (J)	
3/23/2017	<0.01	
5/17/2017	0.0019 (J)	
9/19/2017	0.0022 (J)	
3/13/2018	0.0017 (J)	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.00155 (JD)
3/2/2020		0.0014 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

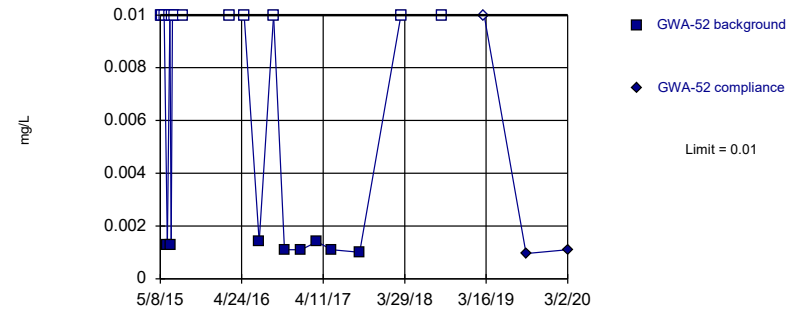


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

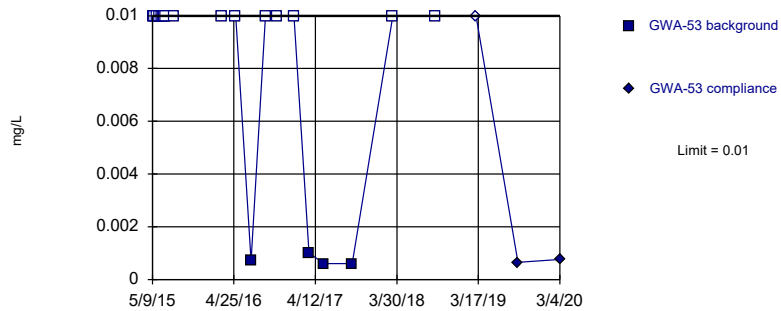


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 60% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

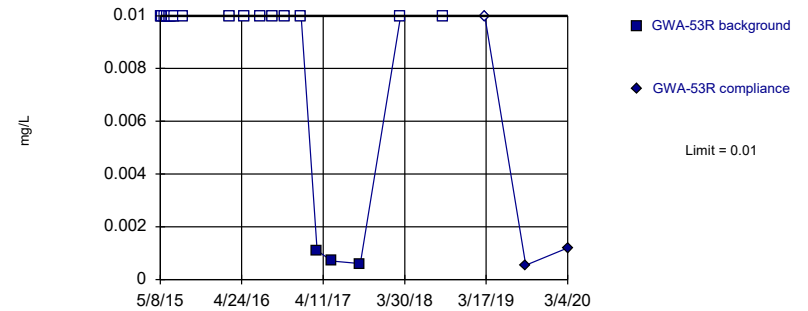


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	0.036 (o)	
5/17/2015	0.029 (o)	
5/25/2015	0.029 (o)	
6/8/2015	0.015	
6/18/2015	0.016	
6/24/2015	0.02	
6/30/2015	0.02	
7/6/2015	0.015	
8/12/2015	0.0139	
5/4/2016	<0.01 (D)	
7/7/2016	0.0005 (JD)	
9/8/2016	<0.01 (D)	
10/26/2016	<0.01 (D)	
1/6/2017	<0.01 (D)	
3/15/2017	<0.01 (D)	
5/18/2017	<0.01 (D)	
7/19/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/4/2019		<0.01
3/3/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	0.0013	
6/18/2015	<0.01	
6/24/2015	0.0013	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
2/29/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	0.0014 (J)	
9/8/2016	<0.01	
10/26/2016	0.0011 (J)	
1/6/2017	0.0011 (J)	
3/15/2017	0.0014 (J)	
5/17/2017	0.0011 (J)	
9/15/2017	0.001 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.00096 (J)
3/2/2020		0.0011 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/17/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	0.0007 (J)	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.001 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0006 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.00065 (J)
3/4/2020		0.00076 (J)

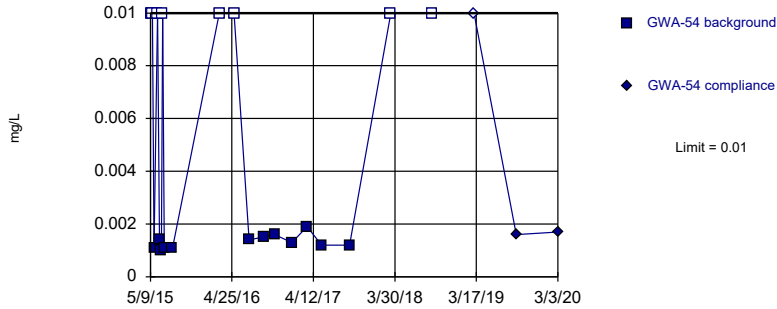
Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	<0.01	
9/7/2016	<0.01	
10/27/2016	<0.01	
1/6/2017	<0.01	
3/16/2017	0.0011 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/5/2019		0.00055 (J)
3/4/2020		0.0012 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

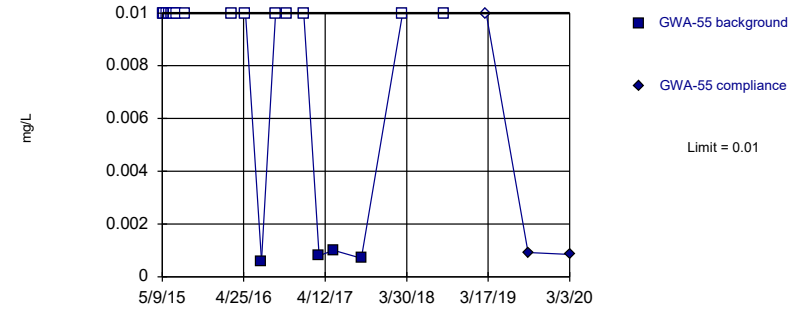


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

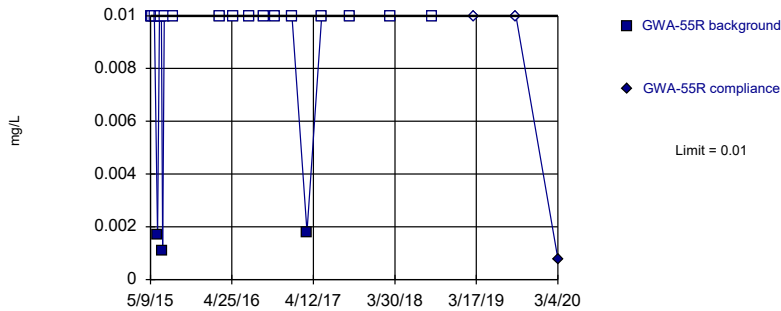


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

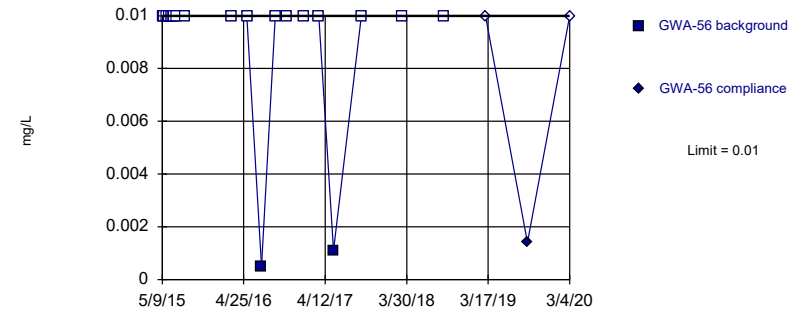


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	0.0011 (J)	
6/9/2015	<0.01	
6/17/2015	0.0014	
6/25/2015	0.001 (J)	
7/1/2015	<0.01	
7/7/2015	0.0011 (J)	
8/12/2015	0.0011 (J)	
3/2/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	0.0014 (J)	
9/8/2016	0.0015 (J)	
10/26/2016	0.0016 (J)	
1/9/2017	0.0013 (J)	
3/15/2017	0.0019 (J)	
5/18/2017	0.0012 (J)	
9/15/2017	0.0012 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/5/2019		0.0016 (J)
3/3/2020		0.0017 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	0.0006 (J)	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.0008 (J)	
5/18/2017	0.001 (J)	
9/15/2017	0.0007 (J)	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.00092 (J)
3/3/2020		0.00085 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	0.0017	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	0.0011 (J)	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/27/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.0018 (J)	
5/18/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/4/2020		0.00079 (J)

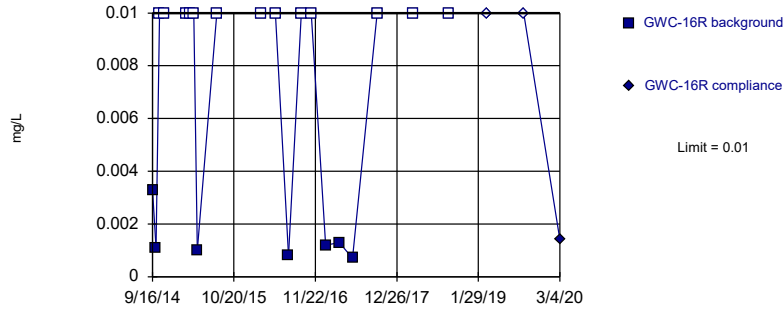
Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
5/9/2016	<0.01	
7/11/2016	0.0005 (J)	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/15/2017	<0.01	
5/18/2017	0.0011 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.0014 (J)
3/4/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

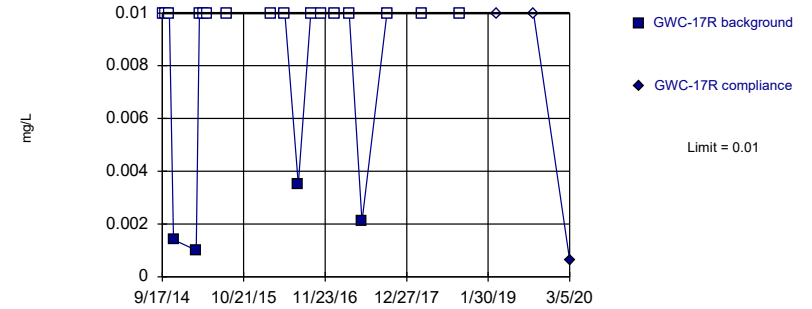


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

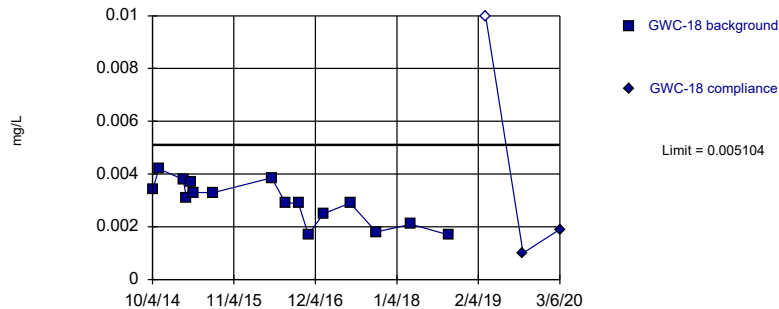


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:13 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

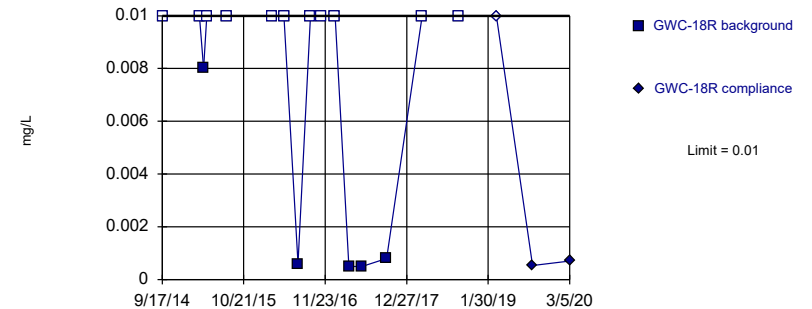


Background Data Summary: Mean=0.002947, Std. Dev.=0.0007961, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.844. Kappa = 2.709 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0033	
10/4/2014	0.0011 (J)	
10/21/2014	<0.01	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	0.001 (J)	
7/29/2015	<0.01	
3/3/2016	<0.01 (D)	
5/10/2016	<0.01	
7/13/2016	0.0008 (J)	
9/15/2016	<0.01	
11/2/2016	<0.01	
1/11/2017	0.0012 (J)	
3/20/2017	0.0013 (J)	
5/23/2017	0.0007 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/9/2019		<0.01
3/4/2020		0.0014 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0014	
3/3/2015	0.001 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
5/10/2016	<0.01	
7/14/2016	0.0035 (J)	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01	
5/23/2017	0.0021 (J)	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/10/2019		<0.01
3/5/2020		0.00063 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.0013 (o)	
10/4/2014	0.0034	
10/21/2014	<0.0013 (o)	
11/5/2014	0.0042	
3/3/2015	0.0038	
3/18/2015	0.0031	
4/7/2015	0.0037	
4/23/2015	0.0033	
7/29/2015	0.0033	
3/7/2016	<0.01 (o)	
5/5/2016	0.00385 (J)	
7/13/2016	0.0029 (J)	
9/13/2016	0.0029 (J)	
10/31/2016	0.0017 (J)	
1/12/2017	0.0025 (J)	
3/23/2017	<0.01 (o)	
5/23/2017	0.0029 (J)	
9/25/2017	0.0018 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	0.0017 (J)	
3/12/2019		<0.01
9/9/2019		0.001 (J)
3/6/2020		0.0019 (J)

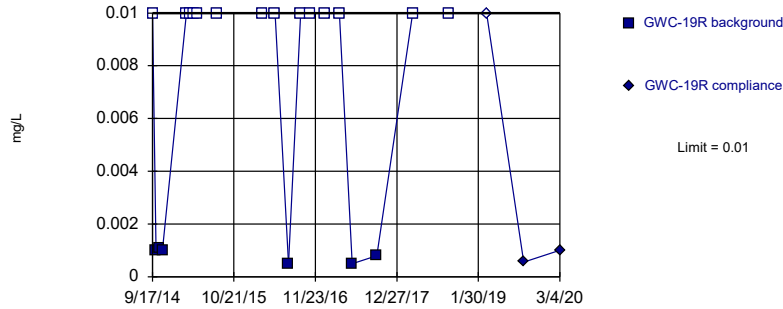
Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.01	
10/4/2014	0.025 (o)	
10/21/2014	0.024 (o)	
11/11/2014	0.025 (o)	
3/3/2015	0.029 (o)	
3/18/2015	<0.01	
4/7/2015	0.008	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/13/2016	0.0006 (J)	
9/12/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/20/2017	0.0005	
5/22/2017	0.0005	
9/21/2017	0.0008	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.00053 (J)
3/5/2020		0.0007 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

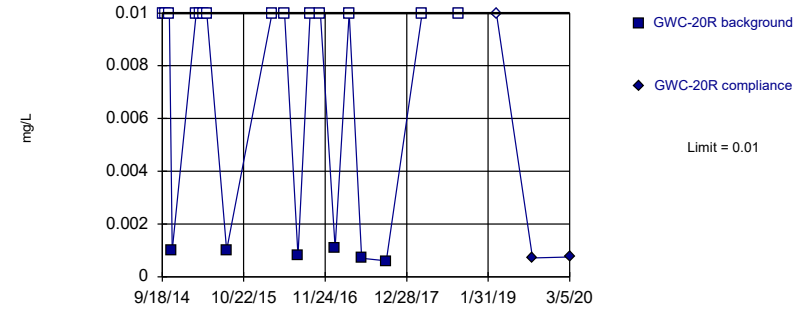


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

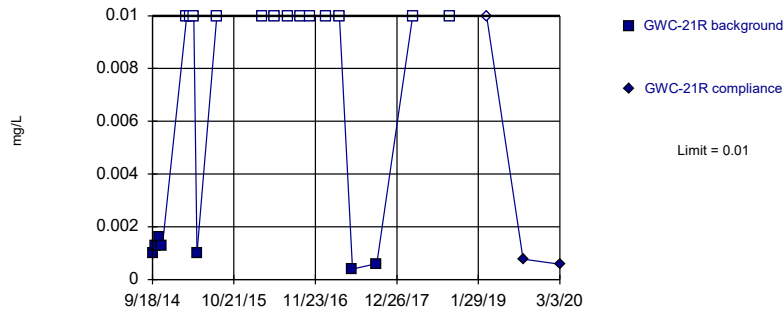


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

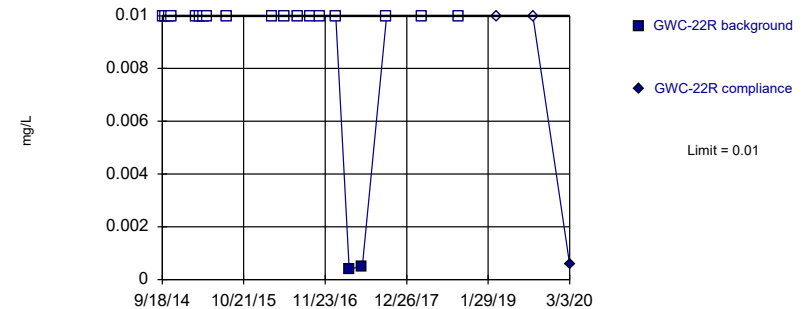


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.01	
10/4/2014	0.001 (J)	
10/21/2014	0.0011 (J)	
11/5/2014	0.001 (J)	
3/3/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
5/9/2016	<0.01	
7/14/2016	0.0005 (J)	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01	
5/22/2017	0.0005 (J)	
9/20/2017	0.0008 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/9/2019		0.00056 (J)
3/4/2020		0.001 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	0.001 (J)	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	0.001 (J)	
3/8/2016	<0.01	
5/9/2016	<0.01	
7/14/2016	0.0008 (J)	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/12/2017	0.0011 (J)	
3/22/2017	<0.01	
5/22/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.00071 (JD)
3/5/2020		0.00075 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.001 (J)	
10/5/2014	0.0013	
10/22/2014	0.0016	
11/5/2014	0.0013	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	0.001 (J)	
7/30/2015	<0.01	
3/8/2016	<0.01	
5/9/2016	<0.01	
7/15/2016	<0.01	
9/9/2016	<0.01	
10/27/2016	<0.01	
1/12/2017	<0.01	
3/21/2017	<0.01	
5/23/2017	0.0004 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019		<0.01
9/6/2019		0.00078 (J)
3/3/2020		0.00058 (J)

Prediction Limit

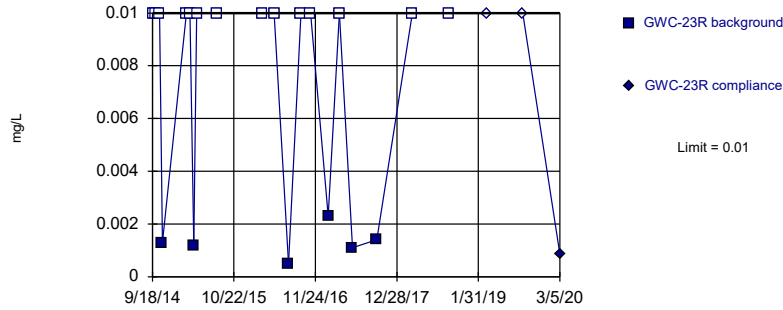
Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	0.0004 (J)	
5/23/2017	0.0005 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/5/2019		<0.01
3/3/2020		0.00057 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

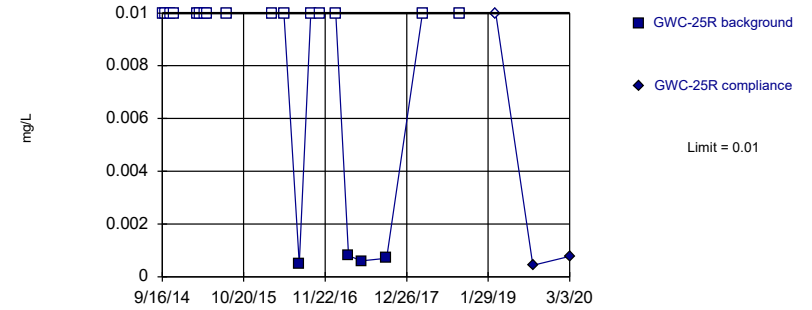


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

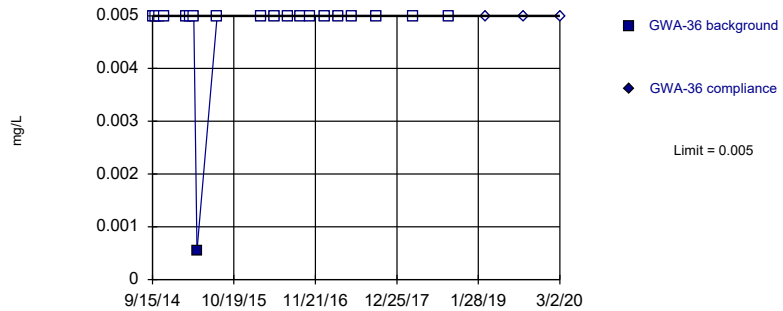


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

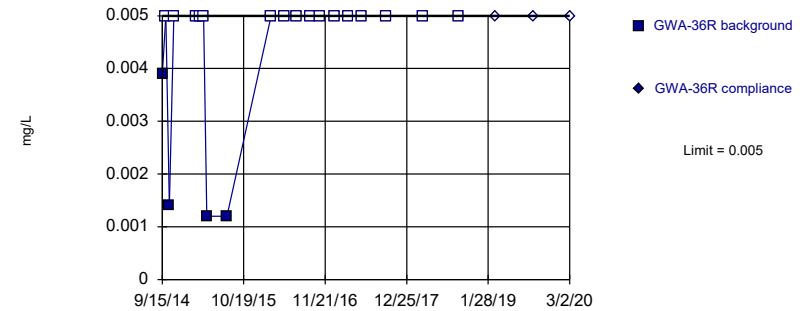


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	0.0013	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0012 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
5/6/2016	<0.01	
7/15/2016	0.0005 (J)	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/25/2017	0.0023 (J)	
3/22/2017	<0.01	
5/24/2017	0.0011 (J)	
9/21/2017	0.0014 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01
3/5/2020		0.00086 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/9/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
5/4/2016	<0.01	
7/18/2016	0.0005 (J)	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/16/2017	0.0008 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0007 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.00044 (J)
3/3/2020		0.00078 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.00055 (J)	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/7/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/15/2017	<0.005	
5/17/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005

Prediction Limit

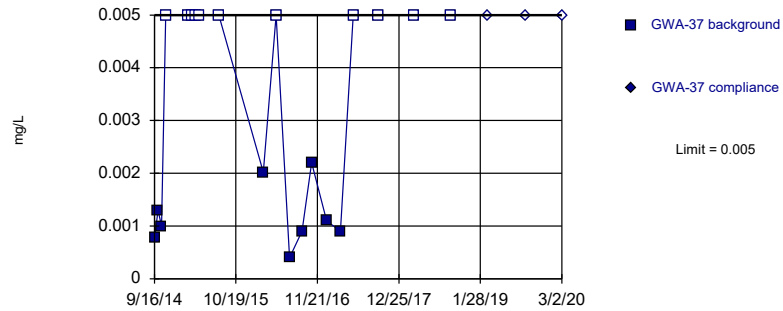
Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0039	
10/3/2014	<0.005	
10/20/2014	0.0014	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0012 (J)	
7/28/2015	0.0012 (J)	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

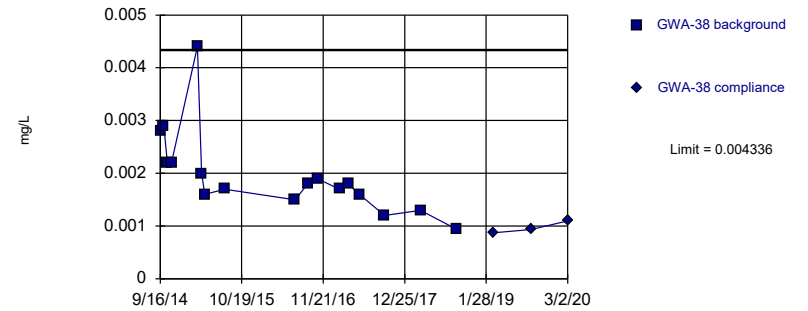


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

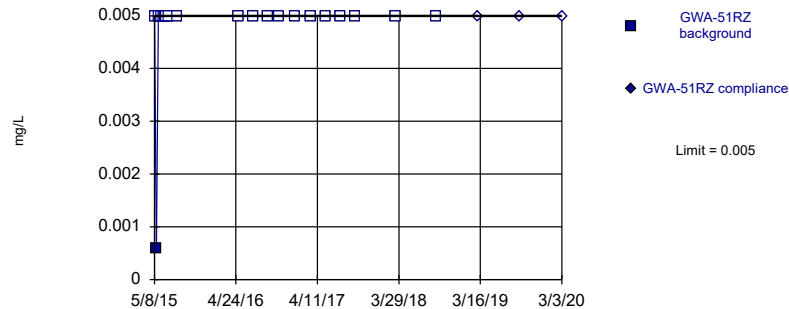


Background Data Summary (based on square root transformation): Mean=0.04368, Std. Dev.=0.008291, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9141, critical = 0.851. Kappa = 2.673 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

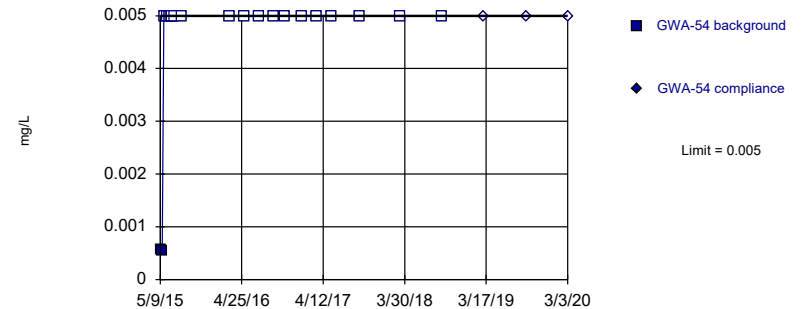


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.00077 (J)	
10/3/2014	0.0013	
10/20/2014	0.001 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	0.00202 (J)	
5/3/2016	<0.005	
7/8/2016	0.0004 (J)	
9/7/2016	0.0009 (J)	
10/25/2016	0.0022 (J)	
1/6/2017	0.0011 (J)	
3/14/2017	0.0009 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0029	
10/20/2014	0.0022	
11/10/2014	0.0022	
3/17/2015	0.0044	
4/6/2015	0.002	
4/22/2015	0.0016	
7/28/2015	0.0017	
3/2/2016	<0.01 (o)	
5/3/2016	<0.01 (o)	
7/7/2016	0.0015 (J)	
9/8/2016	0.0018 (J)	
10/25/2016	0.0019 (J)	
2/9/2017	0.0017 (J)	
3/23/2017	0.0018 (J)	
5/17/2017	0.0016 (J)	
9/19/2017	0.0012 (J)	
3/13/2018	0.0013 (J)	
9/6/2018	0.00094 (J)	
3/7/2019		0.00087 (J)
9/4/2019		0.000935 (JD)
3/2/2020		0.0011 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.005	
5/17/2015	0.00059 (J)	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
5/4/2016	<0.005 (D)	
7/7/2016	<0.005 (D)	
9/8/2016	<0.005 (D)	
10/26/2016	<0.005 (D)	
1/6/2017	<0.005 (D)	
3/15/2017	<0.005 (D)	
5/18/2017	<0.005 (D)	
7/19/2017	<0.005 (D)	
9/19/2017	<0.005 (D)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005
9/4/2019		<0.005
3/3/2020		<0.005

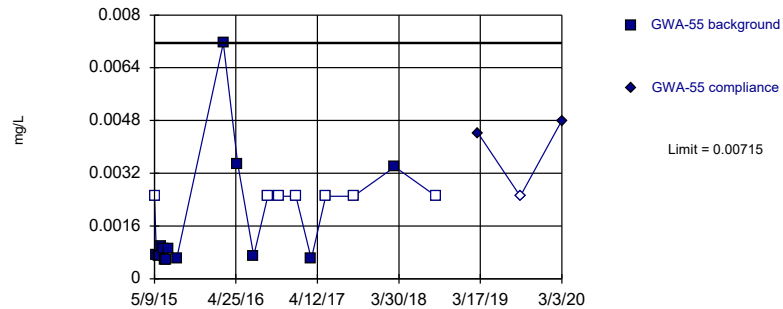
Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	0.00057 (J)	
5/18/2015	0.00055 (J)	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	<0.005	
5/18/2017	<0.005	
9/15/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/5/2019		<0.005
3/3/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

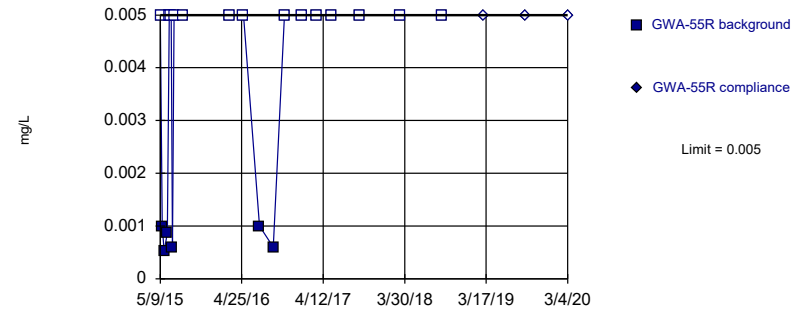


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

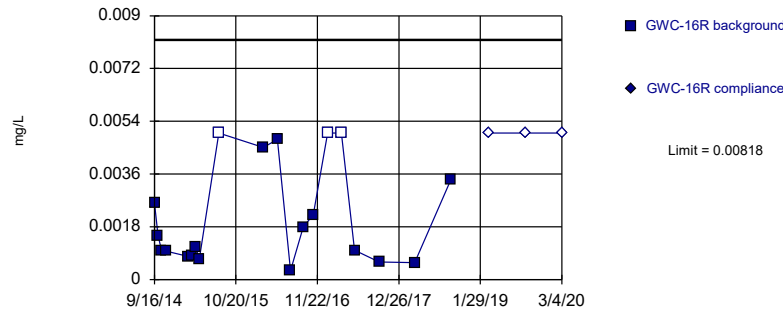


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

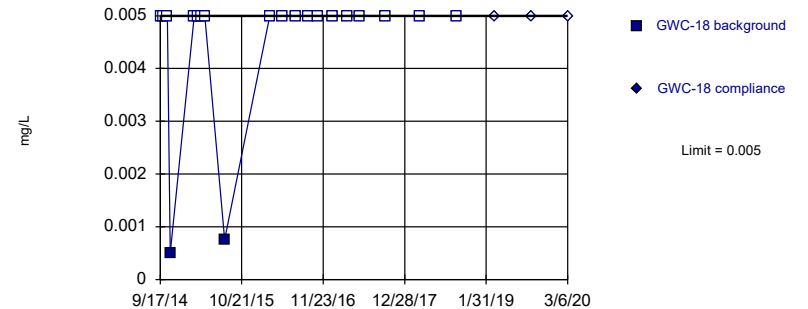


Background Data Summary (based on square root transformation): Mean=0.0431, Std. Dev.=0.01846, n=20, 15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8744, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.0025	
5/18/2015	0.00071 (J)	
5/26/2015	0.00067 (J)	
6/9/2015	0.001 (J)	
6/17/2015	0.00093 (J)	
6/25/2015	0.00059 (J)	
7/1/2015	0.00059 (J)	
7/7/2015	0.00091 (J)	
8/13/2015	0.0006 (J)	
3/2/2016	0.00715 (J)	
5/3/2016	0.00349 (J)	
7/11/2016	0.0007 (J)	
9/9/2016	<0.0025	
10/26/2016	<0.0025	
1/9/2017	<0.0025	
3/16/2017	0.0006 (J)	
5/18/2017	<0.0025	
9/15/2017	<0.0025	
3/12/2018	0.0034 (J)	
9/7/2018	<0.0025	
3/8/2019		0.0044 (J)
9/5/2019		<0.0025
3/3/2020		0.0048 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	0.001 (J)	
5/26/2015	0.00052 (J)	
6/9/2015	0.00087 (J)	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	0.0006 (J)	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	0.001 (J)	
9/9/2016	0.0006 (J)	
10/27/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	<0.005	
5/18/2017	<0.005	
9/18/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005
9/5/2019		<0.005
3/4/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0026	
10/4/2014	0.0015	
10/21/2014	0.00099 (J)	
11/11/2014	0.00097 (J)	
3/3/2015	0.00078 (J)	
3/18/2015	0.00081 (J)	
4/6/2015	0.0011 (J)	
4/23/2015	0.0007 (J)	
7/29/2015	<0.005	
3/3/2016	0.00451 (JD)	
5/10/2016	0.00478 (J)	
7/13/2016	0.0003 (J)	
9/15/2016	0.0018 (J)	
11/2/2016	0.0022 (J)	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/23/2017	0.001 (J)	
9/21/2017	0.0006 (J)	
3/14/2018	0.00058 (J)	
9/7/2018	0.0034 (J)	
3/11/2019		<0.005
9/9/2019		<0.005
3/4/2020		<0.005

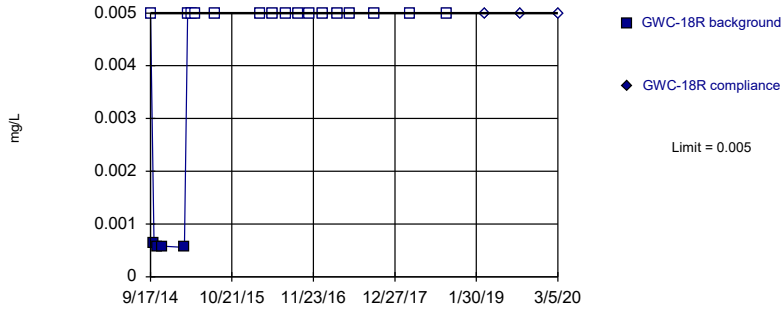
Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	0.0005 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	0.00076 (J)	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/9/2019		<0.005
3/6/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

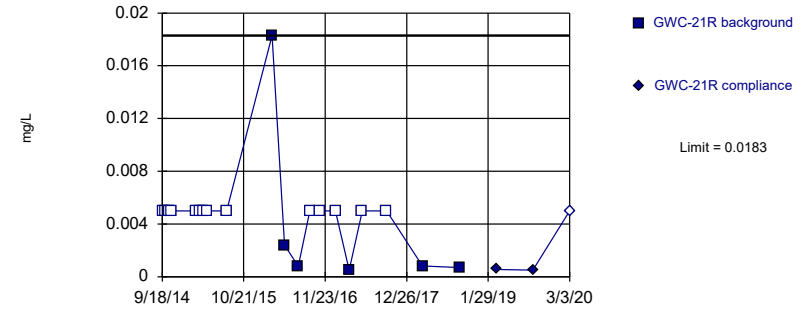


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

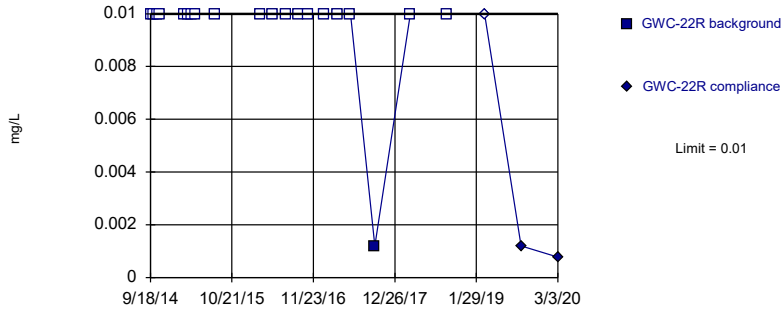


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

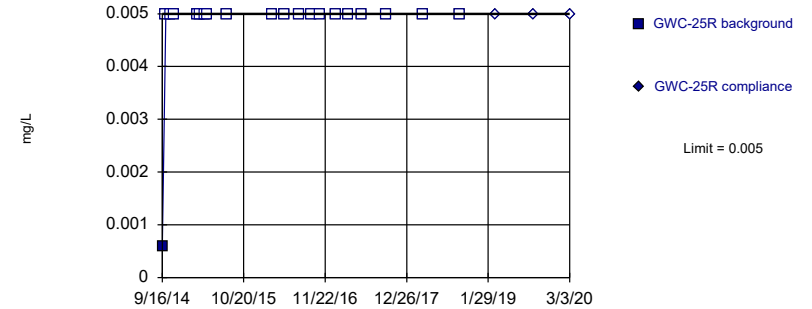


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00063 (J)	
10/21/2014	0.00058 (J)	
11/11/2014	0.00058 (J)	
3/3/2015	0.00056 (J)	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019		<0.005
9/6/2019		<0.005
3/5/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0183 (J)	
5/9/2016	0.00239 (J)	
7/15/2016	0.0008 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	0.0005 (J)	
5/23/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	0.00083 (J)	
9/10/2018	0.00071 (J)	
3/11/2019		0.00056 (J)
9/6/2019		0.00051 (J)
3/3/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/5/2019		0.0012 (J)
3/3/2020		0.00078 (J)

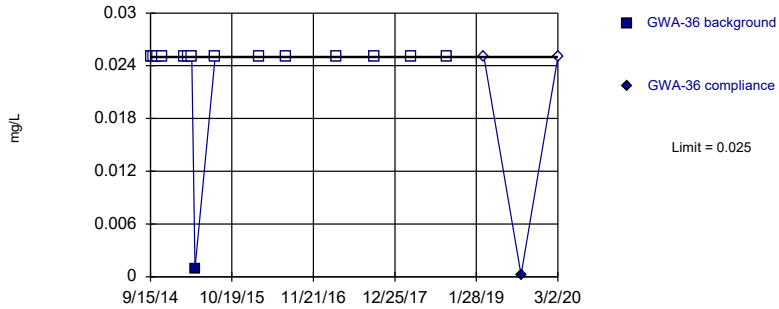
Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.0006 (J)	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	<0.005	
5/19/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		<0.005
3/3/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

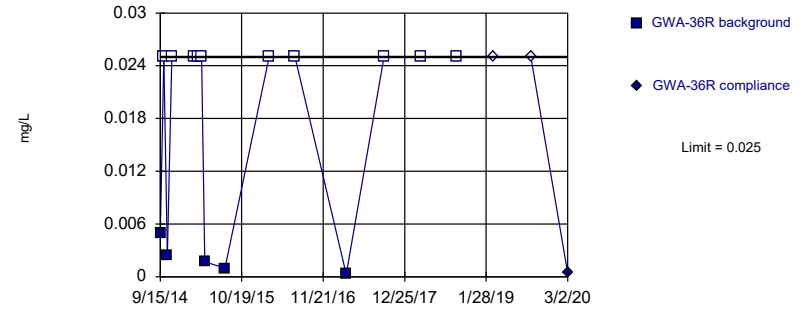


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

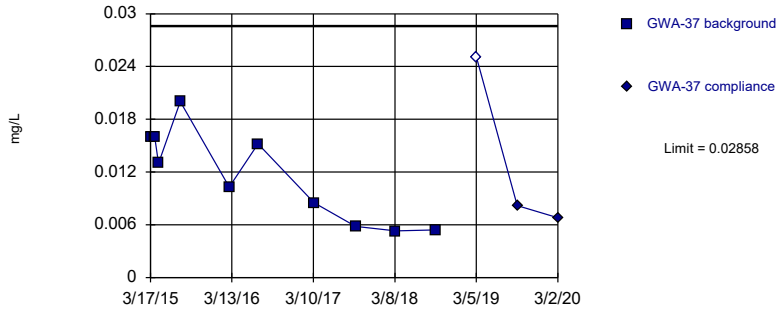


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

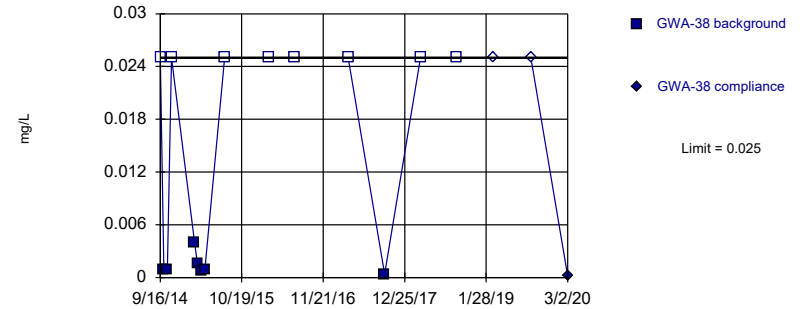


Background Data Summary: Mean=0.01155, Std. Dev.=0.005241, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9145, critical = 0.781. Kappa = 3.25 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.025	
10/3/2014	<0.025	
10/20/2014	<0.025	
11/10/2014	<0.025	
3/2/2015	<0.025	
3/17/2015	<0.025	
4/5/2015	<0.025	
4/21/2015	0.00095 (J)	
7/28/2015	<0.025	
3/1/2016	<0.025	
7/7/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/6/2018	<0.025	
3/6/2019		<0.025
9/4/2019		0.00023 (J)
3/2/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0049 (J)	
10/3/2014	<0.025	
10/20/2014	0.0024 (J)	
11/10/2014	<0.025	
3/2/2015	<0.025	
3/17/2015	<0.025	
4/5/2015	<0.025	
4/21/2015	0.0017 (J)	
7/28/2015	0.00097 (J)	
3/1/2016	<0.025	
7/6/2016	<0.025	
3/14/2017	0.0003 (J)	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025
9/4/2019		<0.025
3/2/2020		0.00043 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

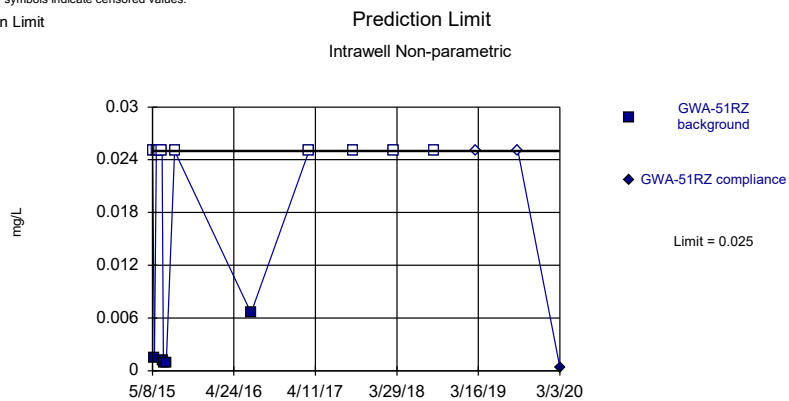
	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.021	
10/20/2014	0.022	
11/10/2014	0.02	
3/2/2015	0.015	
3/17/2015	0.016	
4/5/2015	0.016	
4/22/2015	0.013	
7/28/2015	0.02	
3/1/2016	0.0103 (J)	
7/8/2016	0.0152 (J)	
3/14/2017	0.0085 (J)	
9/15/2017	0.0058 (J)	
3/12/2018	0.0053 (J)	
9/6/2018	0.0054 (J)	
3/6/2019		<0.025
9/4/2019		0.0082 (J)
3/2/2020		0.0068 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.025	
10/3/2014	0.00089 (J)	
10/20/2014	0.00087 (J)	
11/10/2014	<0.025	
3/2/2015	0.004 (J)	
3/17/2015	0.0016 (J)	
4/6/2015	0.00083 (J)	
4/22/2015	0.00085 (J)	
7/28/2015	<0.025	
3/2/2016	<0.025	
7/7/2016	<0.025	
3/23/2017	<0.025	
9/19/2017	0.0004 (J)	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025
9/4/2019		<0.025 (D)
3/2/2020		0.00019 (J)

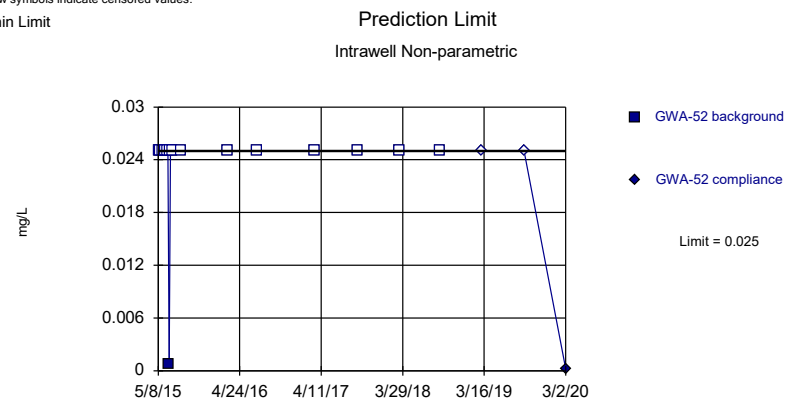
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

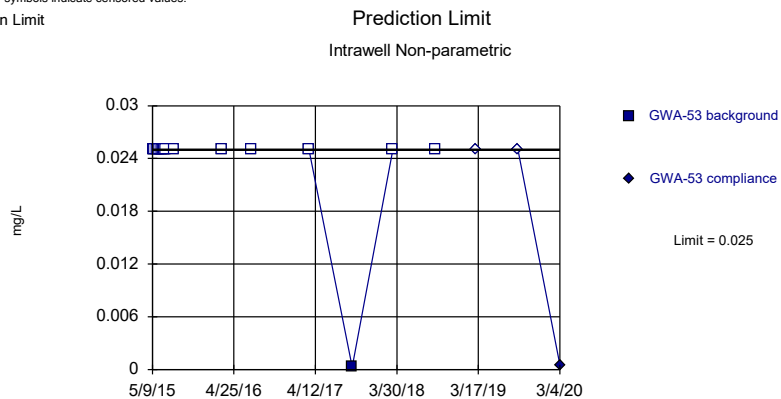
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

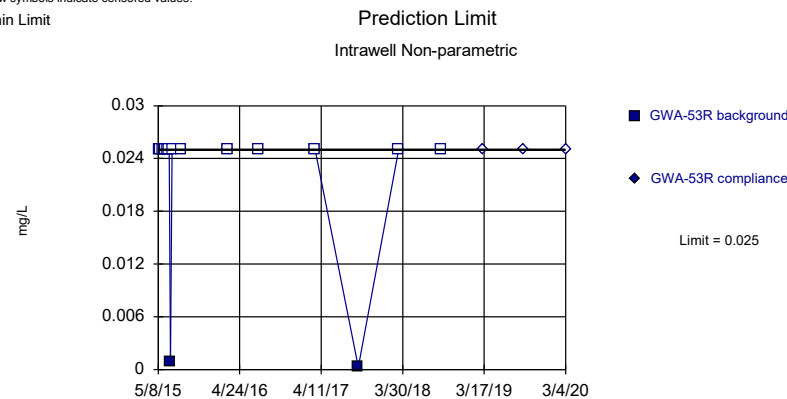
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.025	
5/17/2015	0.0015 (J)	
5/25/2015	<0.025	
6/8/2015	<0.025	
6/18/2015	<0.025	
6/24/2015	0.0012 (J)	
6/30/2015	0.00096 (J)	
7/6/2015	0.00091 (J)	
8/12/2015	<0.025	
7/7/2016	0.0066 (JD)	
3/15/2017	<0.025 (D)	
9/19/2017	<0.025 (D)	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/8/2019		<0.025
9/4/2019		<0.025
3/3/2020		0.00041 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.025	
5/17/2015	<0.025	
5/25/2015	<0.025	
6/8/2015	<0.025	
6/18/2015	<0.025	
6/24/2015	0.00082 (J)	
6/30/2015	<0.025	
7/6/2015	<0.025	
8/12/2015	<0.025	
2/29/2016	<0.025	
7/8/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	<0.025	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025
9/4/2019		<0.025
3/2/2020		0.00024 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.025	
5/18/2015	<0.025	
5/25/2015	<0.025	
6/8/2015	<0.025	
6/17/2015	<0.025	
6/24/2015	<0.025	
6/30/2015	<0.025	
7/6/2015	<0.025	
8/12/2015	<0.025	
3/2/2016	<0.025	
7/8/2016	<0.025	
3/16/2017	<0.025	
9/19/2017	0.0003 (J)	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/8/2019		<0.025
9/5/2019		<0.025
3/4/2020		0.00053 (J)

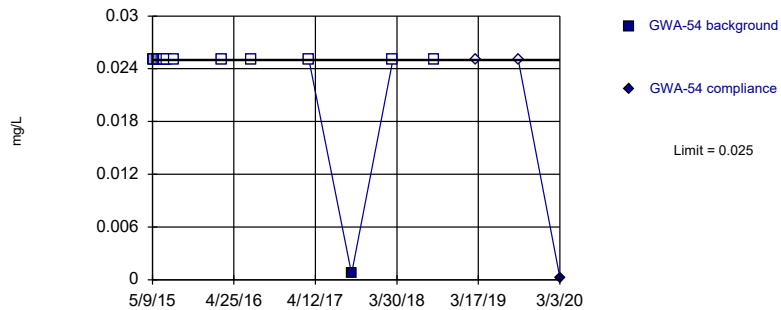
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.025	
5/17/2015	<0.025	
5/25/2015	<0.025	
6/8/2015	<0.025	
6/18/2015	<0.025	
6/24/2015	<0.025	
6/30/2015	0.00093 (J)	
7/6/2015	<0.025	
8/12/2015	<0.025	
3/2/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025	
9/19/2017	0.0003 (J)	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025
9/5/2019		<0.025
3/4/2020		<0.025

Within Limit

Prediction Limit
Intrawell Non-parametric

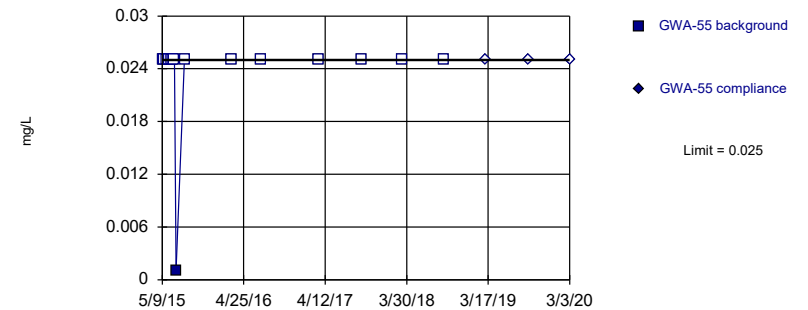


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

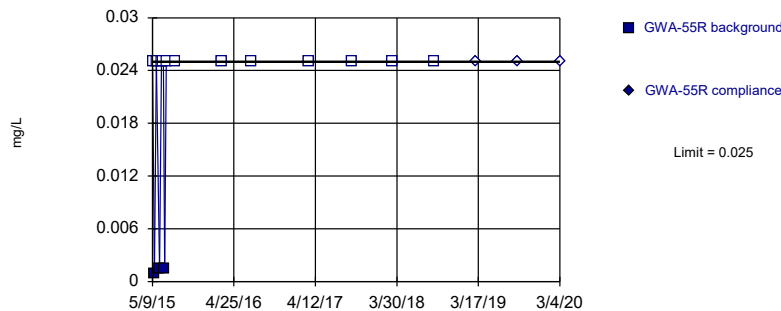


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

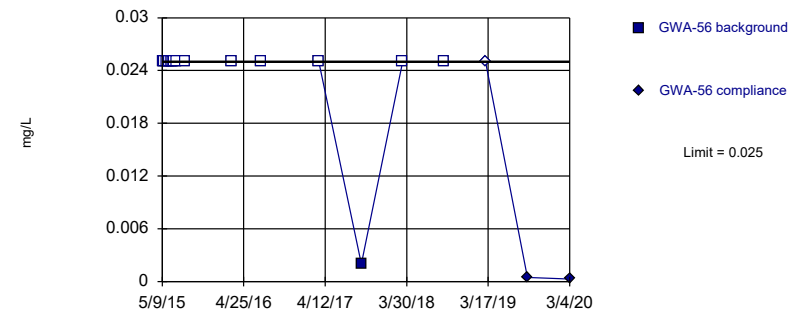


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.025	
5/18/2015	<0.025	
5/25/2015	<0.025	
6/9/2015	<0.025	
6/17/2015	<0.025	
6/25/2015	<0.025	
7/1/2015	<0.025	
7/7/2015	<0.025	
8/12/2015	<0.025	
3/2/2016	<0.025	
7/8/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	0.0007 (J)	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025
9/5/2019		<0.025
3/3/2020		0.00025 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.025	
5/18/2015	<0.025	
5/26/2015	<0.025	
6/9/2015	<0.025	
6/17/2015	<0.025	
6/25/2015	<0.025	
7/1/2015	<0.025	
7/7/2015	0.0011 (J)	
8/13/2015	<0.025	
3/2/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/7/2018	<0.025	
3/8/2019		<0.025
9/5/2019		<0.025
3/3/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.025	
5/18/2015	0.00093 (J)	
5/26/2015	<0.025	
6/9/2015	0.0014 (J)	
6/17/2015	<0.025	
6/25/2015	<0.025	
7/1/2015	0.0014 (J)	
7/7/2015	<0.025	
8/13/2015	<0.025	
3/3/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025	
9/18/2017	<0.025	
3/12/2018	<0.025	
9/7/2018	<0.025	
3/7/2019		<0.025
9/5/2019		<0.025
3/4/2020		<0.025

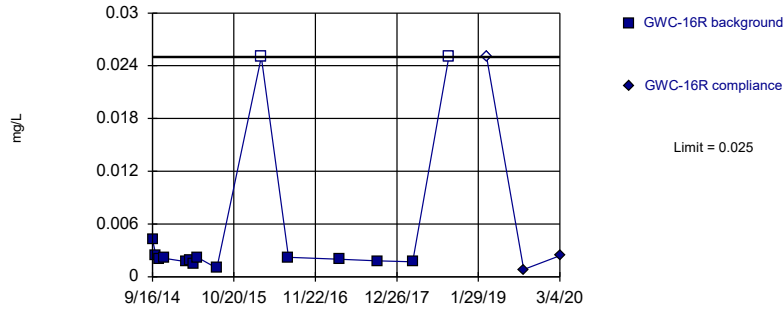
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.025	
5/19/2015	<0.025	
5/26/2015	<0.025	
6/9/2015	<0.025	
6/17/2015	<0.025	
6/25/2015	<0.025	
7/1/2015	<0.025	
7/7/2015	<0.025	
8/13/2015	<0.025	
3/3/2016	<0.025	
7/11/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	0.002 (J)	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/7/2019		<0.025
9/4/2019		0.00047 (J)
3/4/2020		0.0003 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

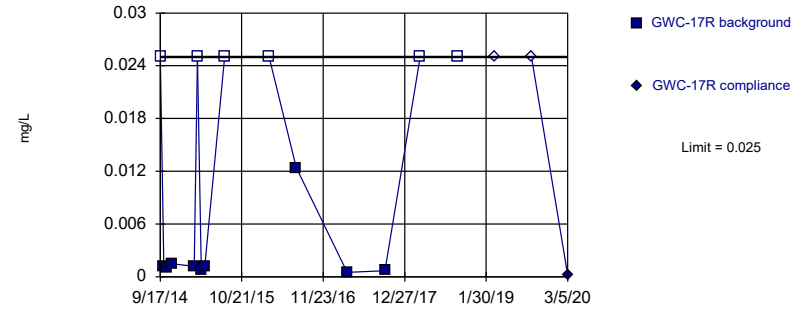


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 13.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

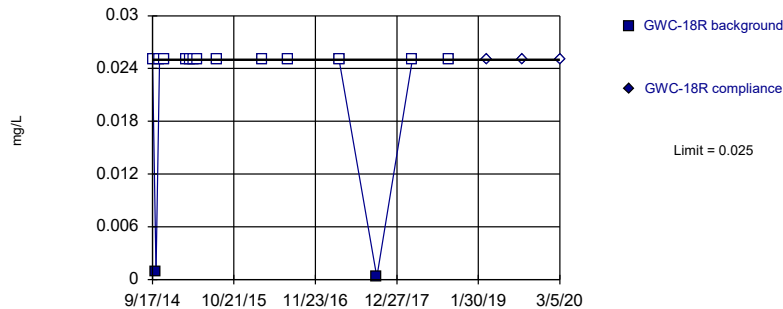


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

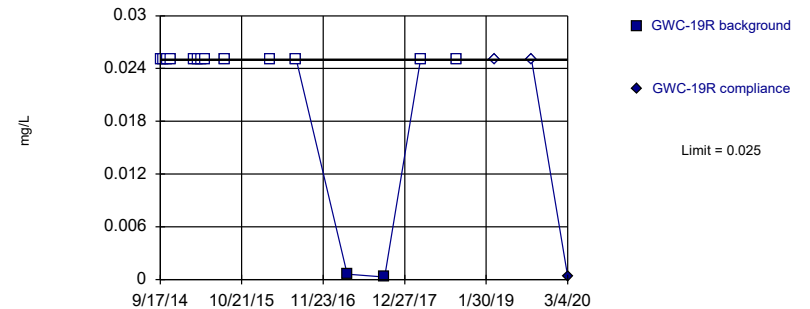


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0042 (J)	
10/4/2014	0.0024 (J)	
10/21/2014	0.002 (J)	
11/11/2014	0.0021 (J)	
3/3/2015	0.0017 (J)	
3/18/2015	0.0019 (J)	
4/6/2015	0.0014 (J)	
4/23/2015	0.0022 (J)	
7/29/2015	0.00098 (J)	
3/3/2016	<0.025 (D)	
7/13/2016	0.0022 (J)	
3/20/2017	0.002 (J)	
9/21/2017	0.0018 (J)	
3/14/2018	0.0017 (J)	
9/7/2018	<0.025	
3/11/2019		<0.025
9/9/2019		0.00082 (J)
3/4/2020		0.0024 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.025	
10/4/2014	0.0012 (J)	
10/21/2014	0.0011 (J)	
11/11/2014	0.0015 (J)	
3/3/2015	0.0012 (J)	
3/18/2015	<0.025	
4/6/2015	0.00083 (J)	
4/23/2015	0.0012 (J)	
7/29/2015	<0.025	
3/4/2016	<0.025	
7/14/2016	0.0124 (J)	
3/21/2017	0.0005 (J)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025
9/10/2019		<0.025
3/5/2020		0.00023 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.025	
10/4/2014	0.00086 (J)	
10/21/2014	<0.025	
11/11/2014	<0.025	
3/3/2015	<0.025	
3/18/2015	<0.025	
4/7/2015	<0.025	
4/23/2015	<0.025	
7/29/2015	<0.025	
3/7/2016	<0.025	
7/13/2016	<0.025	
3/20/2017	<0.025	
9/21/2017	0.0003 (J)	
3/14/2018	<0.025	
9/7/2018	<0.025	
3/12/2019		<0.025
9/6/2019		<0.025
3/5/2020		<0.025

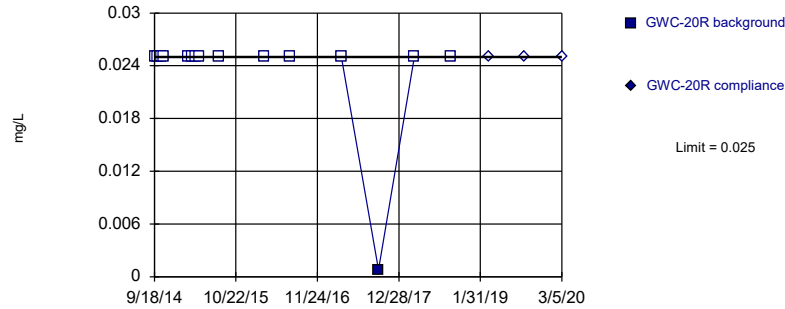
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.025	
10/4/2014	<0.025	
10/21/2014	<0.025	
11/5/2014	<0.025	
3/3/2015	<0.025	
3/19/2015	<0.025	
4/7/2015	<0.025	
4/24/2015	<0.025	
7/29/2015	<0.025	
3/7/2016	<0.025	
7/14/2016	<0.025	
3/21/2017	0.0006 (J)	
9/20/2017	0.0003 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/12/2019		<0.025
9/9/2019		<0.025
3/4/2020		0.00036 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

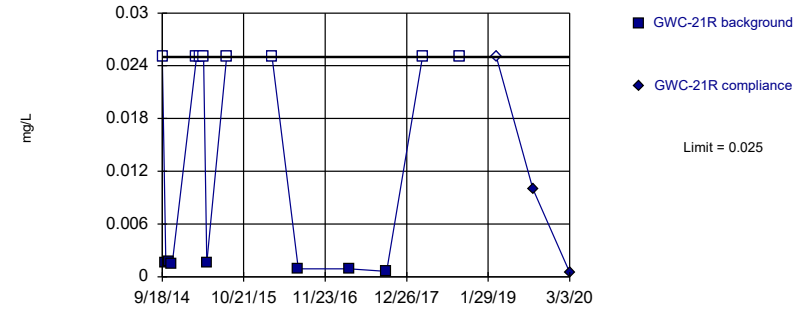


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

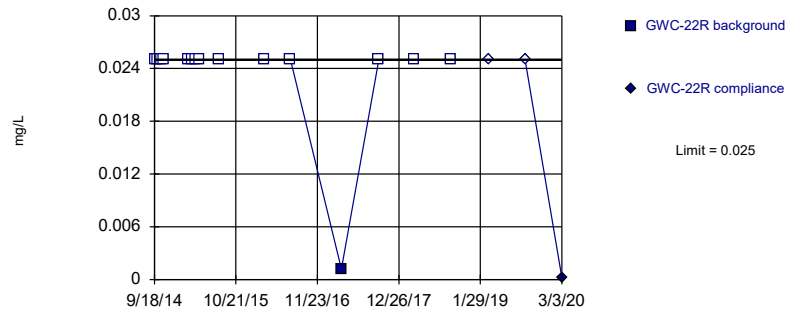


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

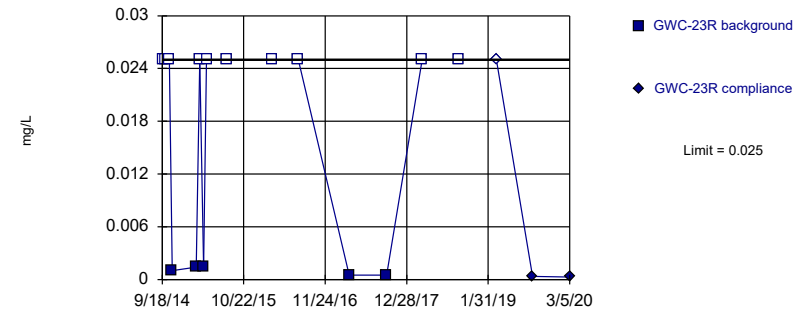


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.025	
10/5/2014	<0.025	
10/22/2014	<0.025	
11/5/2014	<0.025	
3/4/2015	<0.025	
3/19/2015	<0.025	
4/7/2015	<0.025	
4/24/2015	<0.025	
7/30/2015	<0.025	
3/8/2016	<0.025	
7/14/2016	<0.025	
3/22/2017	<0.025	
9/19/2017	0.0008 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/12/2019		<0.025
9/6/2019		<0.025 (D)
3/5/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.025	
10/5/2014	0.0016 (J)	
10/22/2014	0.0018 (J)	
11/5/2014	0.0015 (J)	
3/4/2015	<0.025	
3/19/2015	<0.025	
4/8/2015	<0.025	
4/24/2015	0.0016 (J)	
7/30/2015	<0.025	
3/8/2016	<0.025	
7/15/2016	0.0009 (J)	
3/21/2017	0.0009 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/11/2019		<0.025
9/6/2019		0.01 (J)
3/3/2020		0.00049 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.025	
10/5/2014	<0.025	
10/22/2014	<0.025	
11/5/2014	<0.025	
3/4/2015	<0.025	
3/19/2015	<0.025	
4/8/2015	<0.025	
4/24/2015	<0.025	
7/30/2015	<0.025	
3/7/2016	<0.025	
7/14/2016	<0.025	
3/20/2017	0.0012 (J)	
9/19/2017	<0.025	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/11/2019		<0.025
9/5/2019		<0.025
3/3/2020		0.00022 (J)

Prediction Limit

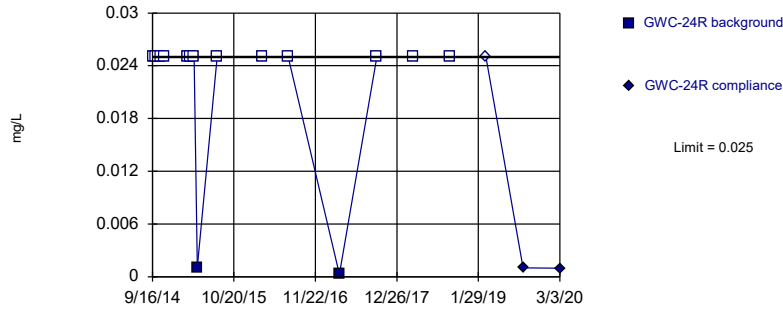
Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.025	
10/5/2014	<0.025	
10/22/2014	<0.025	
11/5/2014	0.001 (J)	
3/4/2015	0.0014 (J)	
3/20/2015	<0.025	
4/8/2015	0.0014 (J)	
4/23/2015	<0.025	
7/30/2015	<0.025	
3/9/2016	<0.025	
7/15/2016	<0.025	
3/22/2017	0.0005 (J)	
9/21/2017	0.0005 (J)	
3/14/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025
9/6/2019		0.00037 (J)
3/5/2020		0.0003 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

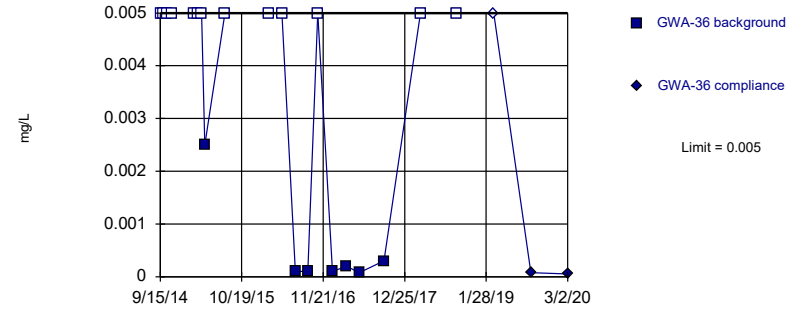


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

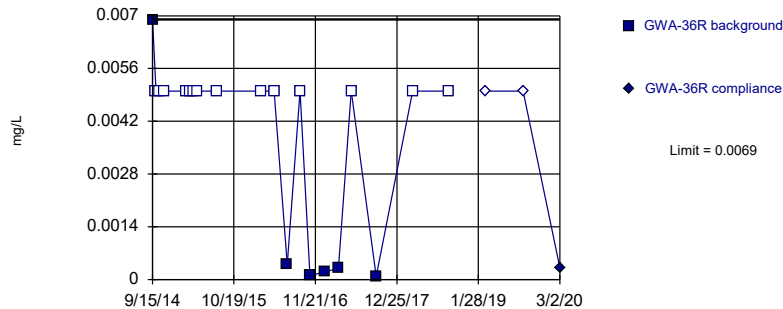


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

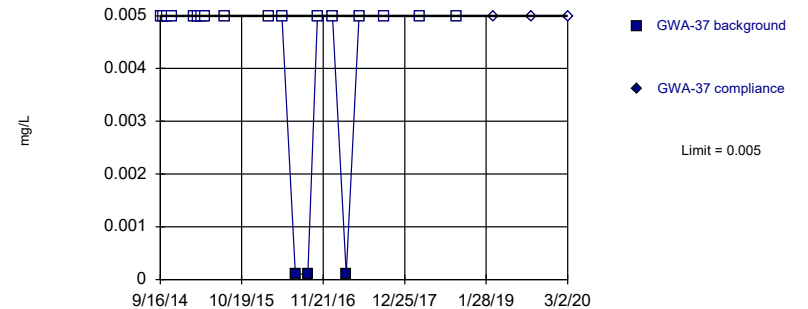


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.025	
10/4/2014	<0.025	
10/23/2014	<0.025	
11/10/2014	<0.025	
3/4/2015	<0.025	
3/20/2015	<0.025	
4/8/2015	<0.025	
4/23/2015	0.0011 (J)	
7/30/2015	<0.025	
3/4/2016	<0.025	
7/12/2016	<0.025	
3/20/2017	0.0003 (J)	
9/19/2017	<0.025	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/8/2019		<0.025
9/5/2019		0.001 (JD)
3/3/2020		0.00097 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0025 (J)	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/7/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.005	
1/5/2017	0.0001 (J)	
3/15/2017	0.0002 (J)	
5/17/2017	8E-05 (J)	
9/15/2017	0.0003 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		7.6E-05 (J)
3/2/2020		5.2E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0069 (J)	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0004 (J)	
9/7/2016	<0.005	
10/25/2016	0.0001 (J)	
1/5/2017	0.0002 (J)	
3/14/2017	0.0003 (J)	
5/16/2017	<0.005	
9/15/2017	8E-05 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/2/2020		0.00031 (J)

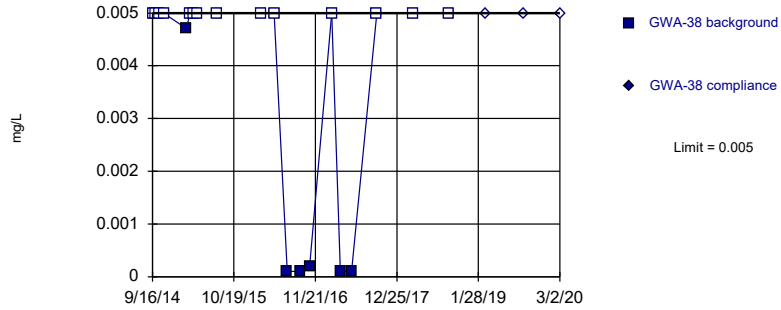
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0001 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

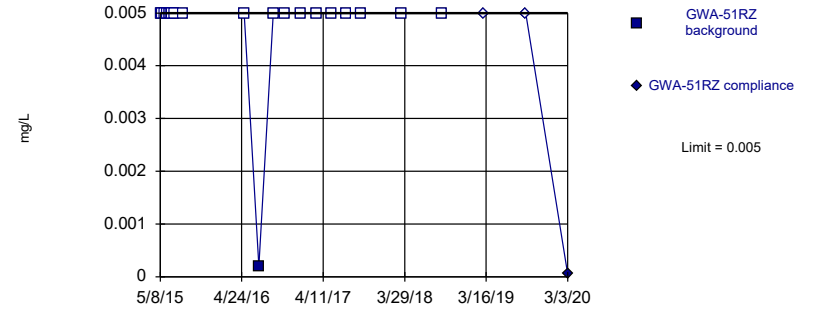


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

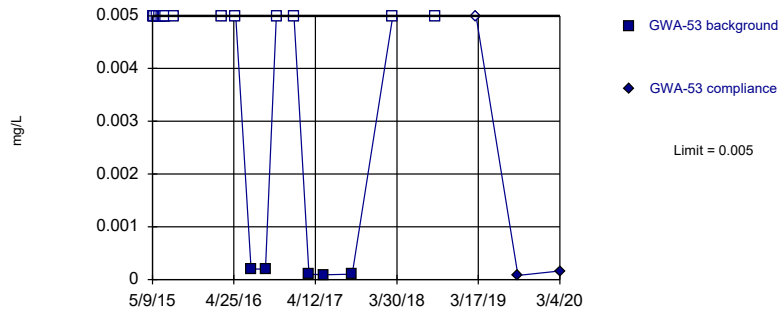


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

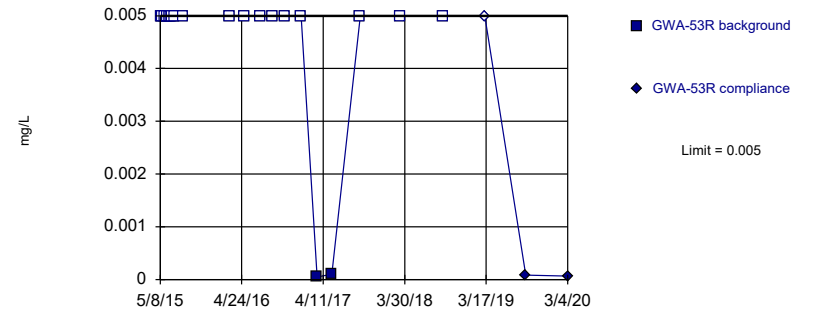


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	0.0047 (J)	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	0.0001 (J)	
9/8/2016	0.0001 (J)	
10/25/2016	0.0002 (J)	
2/9/2017	<0.005	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005 (D)
3/2/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
5/4/2016	<0.005 (D)	
7/7/2016	0.0002 (JD)	
9/8/2016	<0.005 (D)	
10/26/2016	<0.005 (D)	
1/6/2017	<0.005 (D)	
3/15/2017	<0.005 (D)	
5/18/2017	<0.005 (D)	
7/19/2017	<0.005 (D)	
9/19/2017	<0.005 (D)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005
9/4/2019		<0.005
3/3/2020		5.1E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	0.0002 (J)	
9/8/2016	0.0002 (J)	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0001 (J)	
5/19/2017	9E-05 (J)	
9/19/2017	0.0001 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		8E-05 (J)
3/4/2020		0.00016 (J)

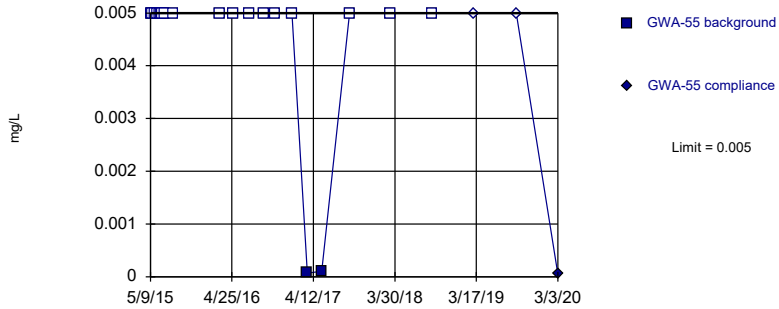
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/7/2016	<0.005	
10/27/2016	<0.005	
1/6/2017	<0.005	
3/16/2017	5E-05 (J)	
5/19/2017	0.0001 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/5/2019		8.3E-05 (J)
3/4/2020		6.6E-05 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

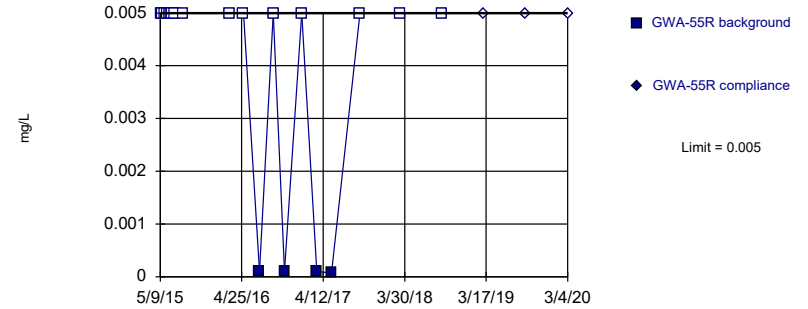


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

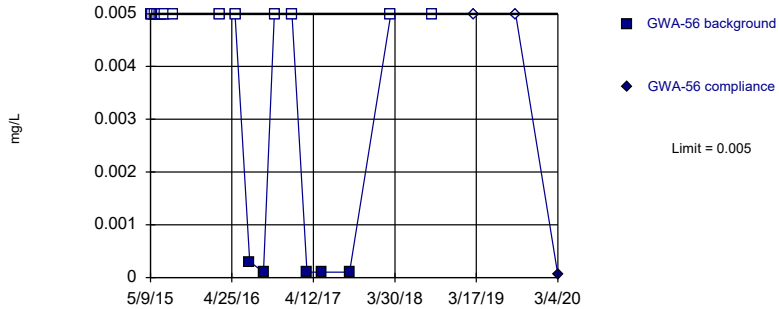


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

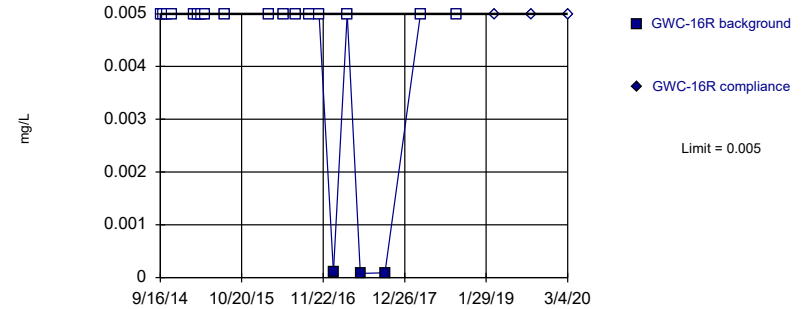


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/9/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	7E-05 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005
9/5/2019		<0.005
3/3/2020		4.8E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	0.0001 (J)	
9/9/2016	<0.005	
10/27/2016	0.0001 (J)	
1/9/2017	<0.005	
3/16/2017	0.0001 (J)	
5/18/2017	7E-05 (J)	
9/18/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005
9/5/2019		<0.005
3/4/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.005	
5/19/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/9/2016	<0.005	
7/11/2016	0.0003 (J)	
9/9/2016	0.0001 (J)	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	0.0001 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	0.0001 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/4/2020		5E-05 (J)

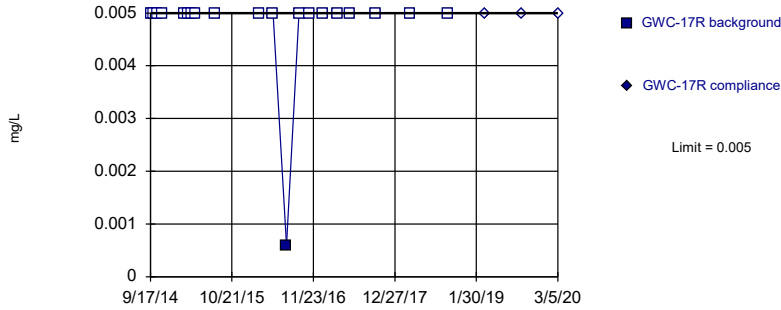
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	<0.005 (D)	
5/10/2016	<0.005	
7/13/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/11/2017	0.0001 (J)	
3/20/2017	<0.005	
5/23/2017	8E-05 (J)	
9/21/2017	9E-05 (J)	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019		<0.005
9/9/2019		<0.005
3/4/2020		<0.005

Within Limit

Prediction Limit
Intrawell Non-parametric

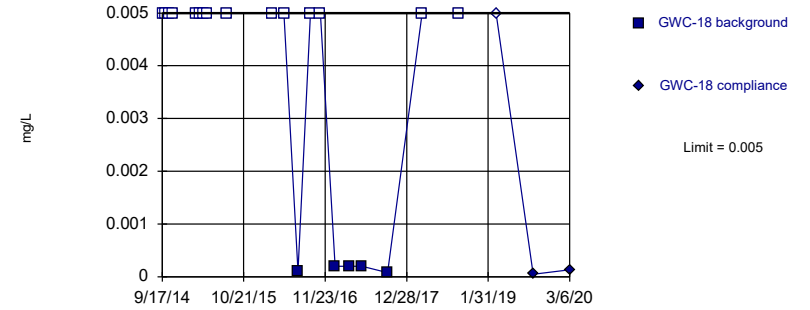


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

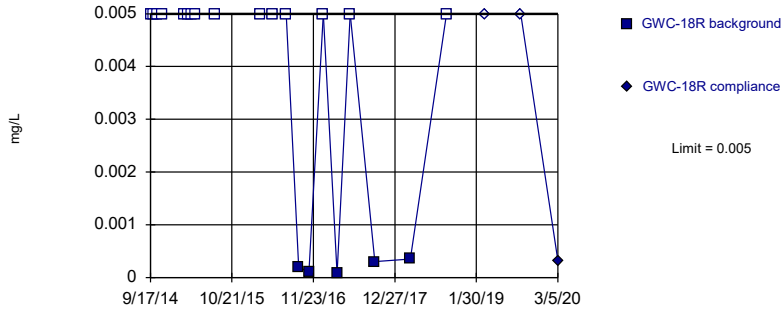


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

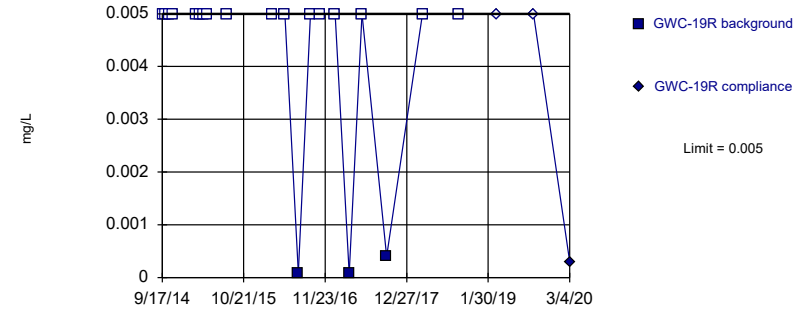


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	0.0006 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/10/2019		<0.005
3/5/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	0.0001 (J)	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	0.0002 (J)	
3/23/2017	0.0002 (J)	
5/23/2017	0.0002 (J)	
9/25/2017	8E-05 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/9/2019		5E-05 (J)
3/6/2020		0.00013 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	0.0002 (J)	
11/1/2016	0.0001 (J)	
1/11/2017	<0.005	
3/20/2017	7E-05 (J)	
5/22/2017	<0.005	
9/21/2017	0.0003 (J)	
3/14/2018	0.00035 (J)	
9/7/2018	<0.005	
3/12/2019		<0.005
9/6/2019		<0.005
3/5/2020		0.00032 (J)

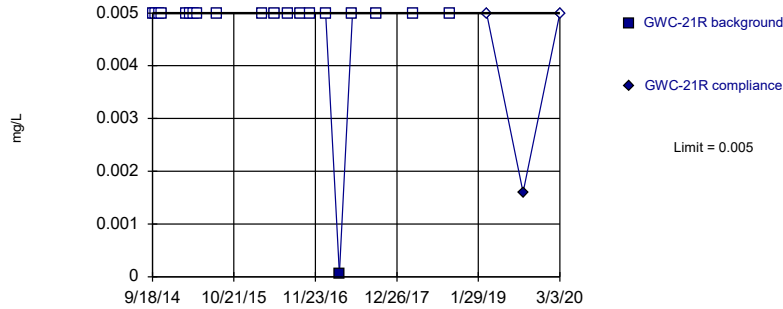
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	9E-05 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	7E-05 (J)	
5/22/2017	<0.005	
9/20/2017	0.0004 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019		<0.005
9/9/2019		<0.005
3/4/2020		0.0003 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

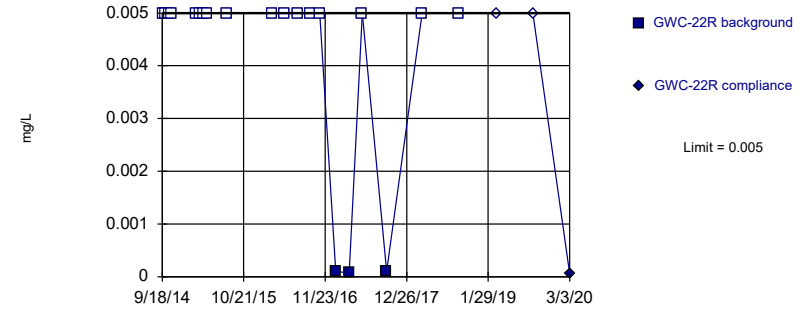


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

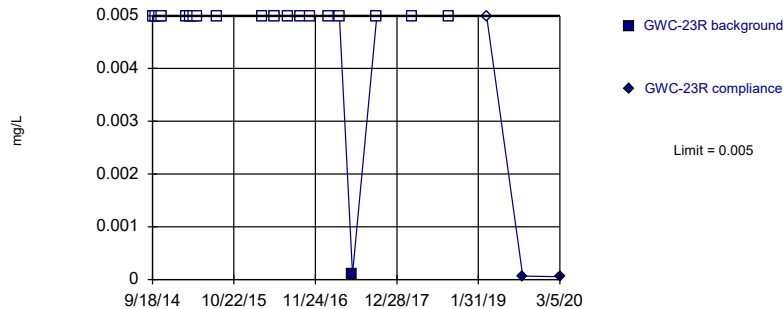


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

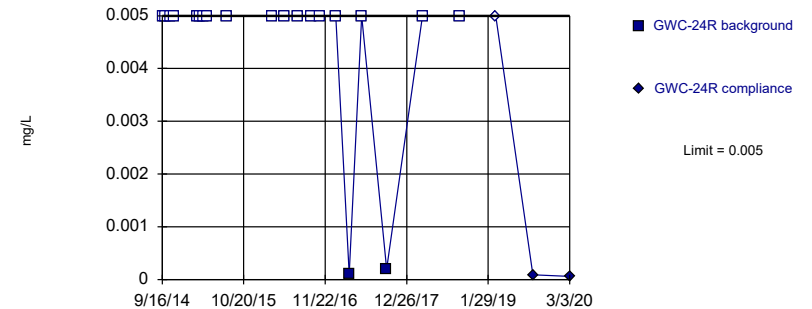


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:14 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/15/2016	<0.005	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	6E-05 (J)	
5/23/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019		<0.005
9/6/2019		0.0016 (J)
3/3/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	0.0001 (J)	
3/20/2017	7E-05 (J)	
5/23/2017	<0.005	
9/19/2017	0.0001 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019		<0.005
9/5/2019		<0.005
3/3/2020		5.9E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0001 (J)	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/6/2019		6.8E-05 (J)
3/5/2020		5.2E-05 (J)

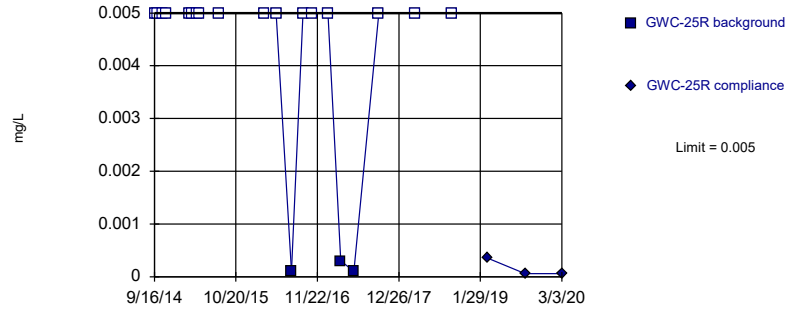
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.005	
5/5/2016	<0.005	
7/12/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0001 (J)	
5/19/2017	<0.005	
9/19/2017	0.0002 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		9.05E-05 (JD)
3/3/2020		5.7E-05 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

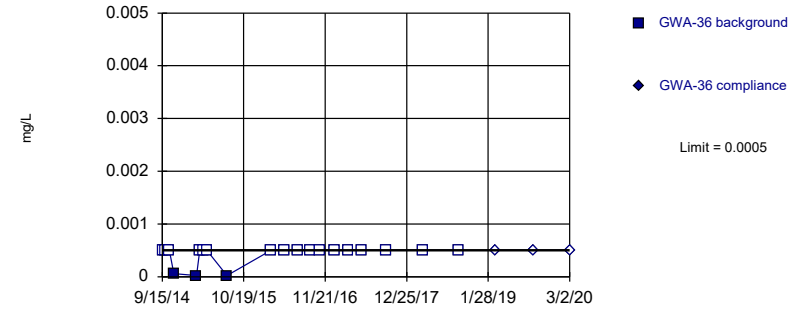


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

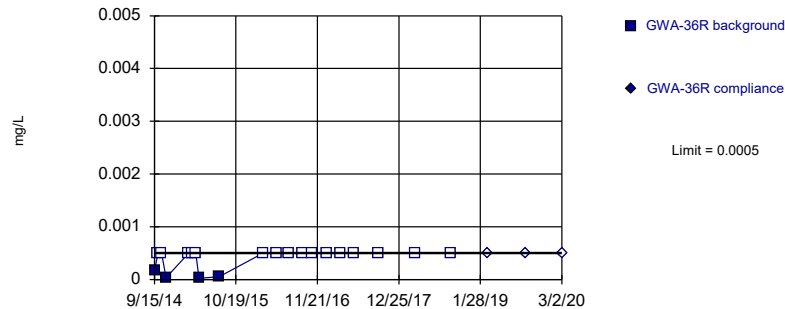


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

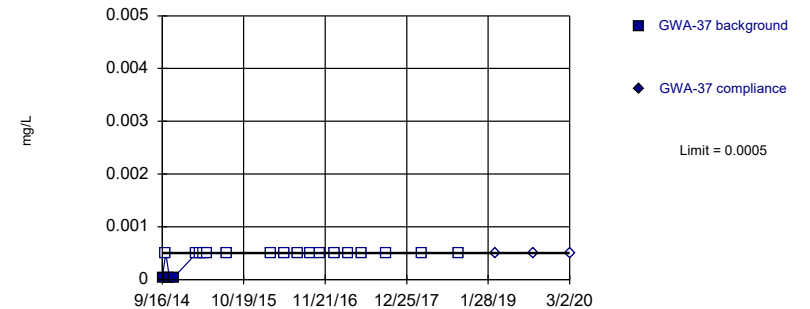


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	0.0001 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0003 (J)	
5/19/2017	0.0001 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		0.00035 (J)
9/5/2019		6E-05 (J)
3/3/2020		5.9E-05 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.0005	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	5.8E-05 (J)	
3/2/2015	2.04E-05 (J)	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/21/2015	<0.0005	
7/28/2015	2.13E-05 (J)	
3/1/2016	<0.0005	
5/2/2016	<0.0005	
7/7/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/5/2017	<0.0005	
3/15/2017	<0.0005	
5/17/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019		<0.0005
9/4/2019		<0.0005
3/2/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.000172 (J)	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	3.84E-05 (J)	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/21/2015	2.39E-05 (J)	
7/28/2015	5.2E-05 (J)	
3/1/2016	<0.0005	
5/2/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/5/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019		<0.0005
9/4/2019		<0.0005
3/2/2020		<0.0005

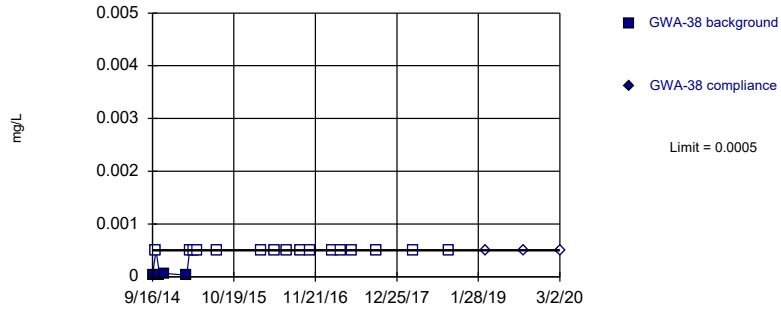
Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	4.23E-05 (J)	
10/3/2014	<0.0005	
10/20/2014	3.87E-05 (J)	
11/10/2014	3.34E-05 (J)	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/1/2016	<0.0005	
5/3/2016	<0.0005	
7/8/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/6/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019		<0.0005
9/4/2019		<0.0005
3/2/2020		<0.0005

Within Limit

Prediction Limit
Intrawell Non-parametric

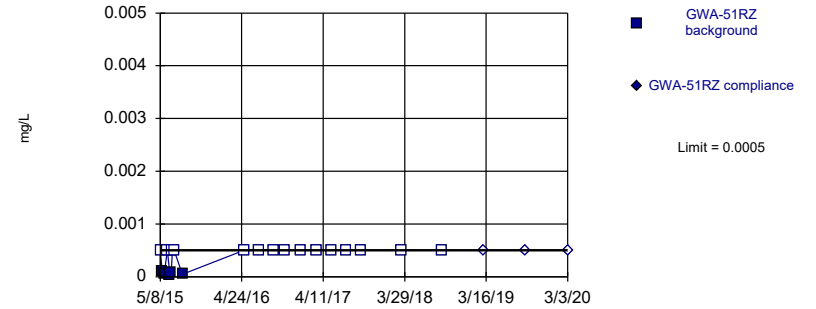


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

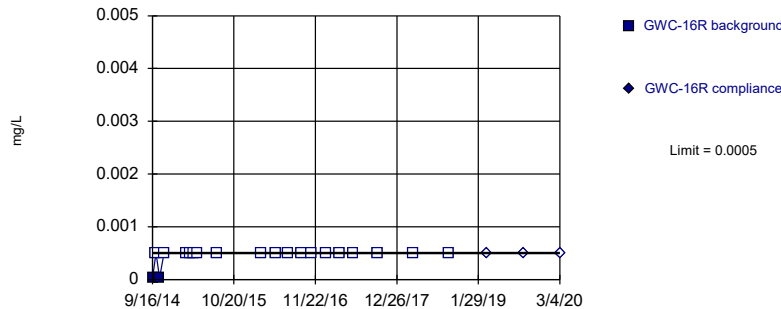


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

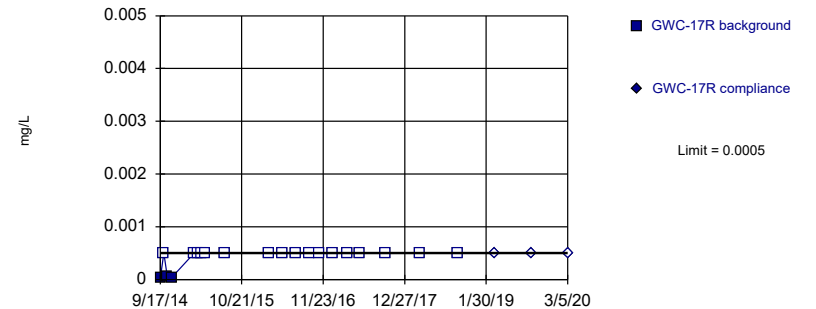


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	2.75E-05 (J)	
10/3/2014	<0.0005	
10/20/2014	4.07E-05 (J)	
11/10/2014	6.86E-05 (J)	
3/2/2015	3.07E-05 (J)	
3/17/2015	<0.0005	
4/6/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/2/2016	<0.0005	
5/3/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/25/2016	<0.0005	
2/9/2017	<0.0005	
3/23/2017	<0.0005	
5/17/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019		<0.0005
9/4/2019		<0.0005 (D)
3/2/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.0005	
5/17/2015	0.000101 (J)	
5/25/2015	4.88E-05 (J)	
6/8/2015	<0.0005	
6/18/2015	4.1E-05 (J)	
6/24/2015	8.41E-05 (J)	
6/30/2015	<0.0005	
7/6/2015	<0.0005	
8/12/2015	4.91E-05 (J)	
5/4/2016	<0.0005 (D)	
7/7/2016	<0.0005 (D)	
9/8/2016	<0.0005 (D)	
10/26/2016	<0.0005 (D)	
1/6/2017	<0.0005 (D)	
3/15/2017	<0.0005 (D)	
5/18/2017	<0.0005 (D)	
7/19/2017	<0.0005 (D)	
9/19/2017	<0.0005 (D)	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/8/2019		<0.0005
9/4/2019		<0.0005
3/3/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	2.69E-05 (J)	
10/4/2014	<0.0005	
10/21/2014	3.18E-05 (J)	
11/11/2014	<0.0005	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/6/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/3/2016	<0.0005 (D)	
5/10/2016	<0.0005	
7/13/2016	<0.0005	
9/15/2016	<0.0005	
11/2/2016	<0.0005	
1/11/2017	<0.0005	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019		<0.0005
9/9/2019		<0.0005
3/4/2020		<0.0005

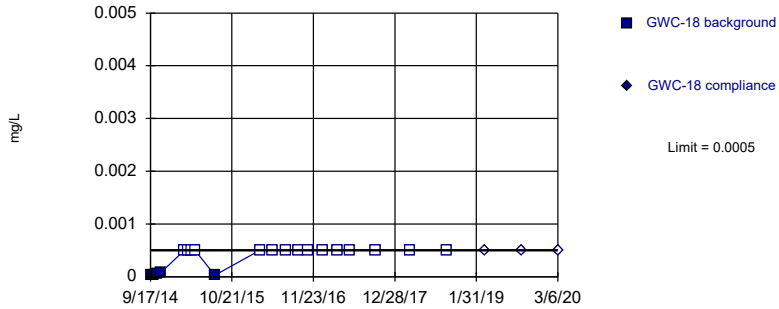
Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	2.97E-05 (J)	
10/4/2014	<0.0005	
10/21/2014	5.02E-05 (J)	
11/11/2014	3.66E-05 (J)	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/6/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/4/2016	<0.0005	
5/10/2016	<0.0005	
7/14/2016	<0.0005	
9/14/2016	<0.0005	
11/1/2016	<0.0005	
1/11/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/22/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005
9/10/2019		<0.0005
3/5/2020		<0.0005

Within Limit

Prediction Limit Intrawell Non-parametric

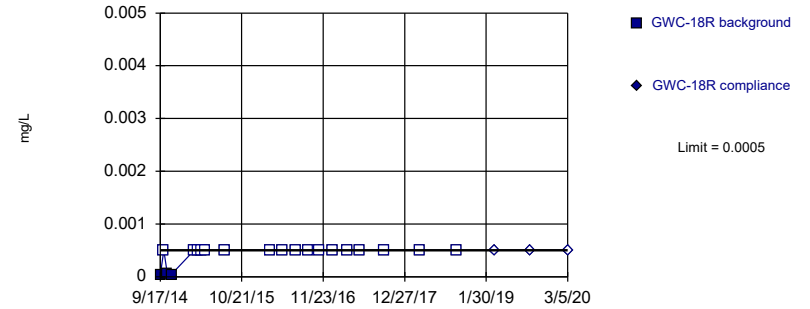


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

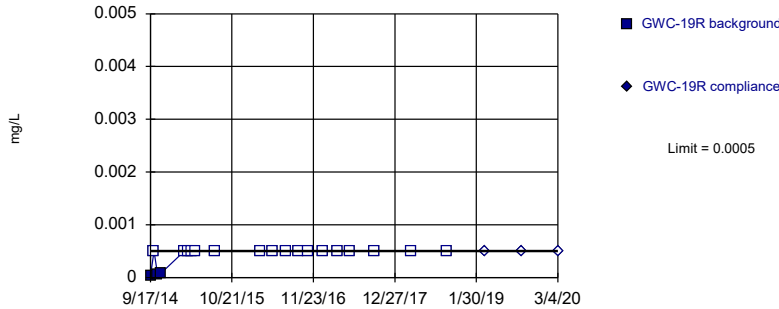


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

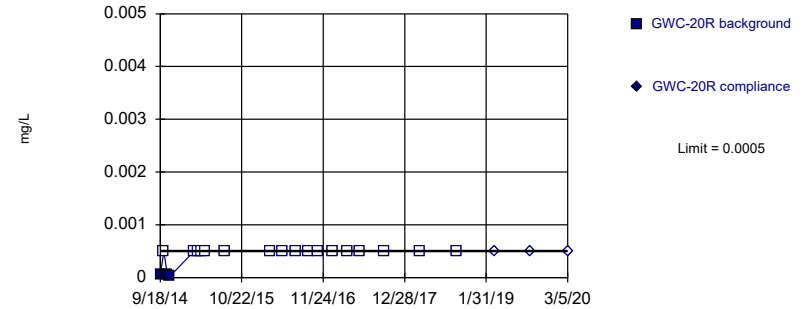


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	4.24E-05 (J)	
10/4/2014	2.5E-05 (J)	
10/21/2014	6.4E-05 (J)	
11/5/2014	7.02E-05 (J)	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/7/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	3.14E-05 (J)	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/13/2016	<0.0005	
10/31/2016	<0.0005	
1/12/2017	<0.0005	
3/23/2017	<0.0005	
5/23/2017	<0.0005	
9/25/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005
9/9/2019		<0.0005
3/6/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	3.5E-05 (J)	
10/4/2014	<0.0005	
10/21/2014	5.35E-05 (J)	
11/11/2014	4.64E-05 (J)	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/7/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/12/2016	<0.0005	
11/1/2016	<0.0005	
1/11/2017	<0.0005	
3/20/2017	<0.0005	
5/22/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/7/2018	<0.0005	
3/12/2019		<0.0005
9/6/2019		<0.0005
3/5/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	4.15E-05 (J)	
10/4/2014	<0.0005	
10/21/2014	5.89E-05 (J)	
11/5/2014	7.28E-05 (J)	
3/3/2015	<0.0005	
3/19/2015	<0.0005	
4/7/2015	<0.0005	
4/24/2015	<0.0005	
7/29/2015	<0.0005	
3/7/2016	<0.0005	
5/9/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/31/2016	<0.0005	
1/11/2017	<0.0005	
3/21/2017	<0.0005	
5/22/2017	<0.0005	
9/20/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/12/2019		<0.0005
9/9/2019		<0.0005
3/4/2020		<0.0005

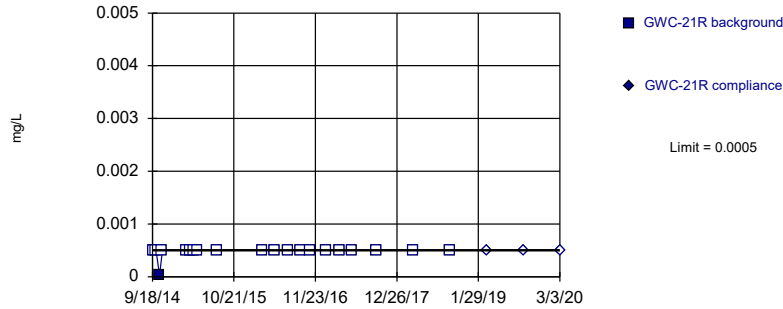
Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	5.34E-05 (J)	
10/5/2014	<0.0005	
10/22/2014	4.88E-05 (J)	
11/5/2014	2.85E-05 (J)	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/7/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/9/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/31/2016	<0.0005	
1/12/2017	<0.0005	
3/22/2017	<0.0005	
5/22/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/12/2019		<0.0005
9/6/2019		<0.0005 (D)
3/5/2020		<0.0005

Within Limit

Prediction Limit Intrawell Non-parametric

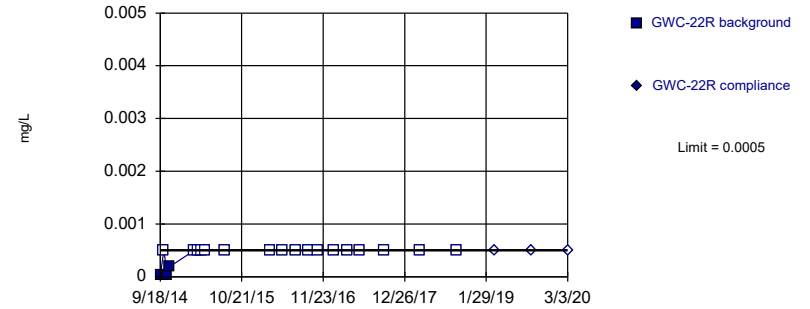


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

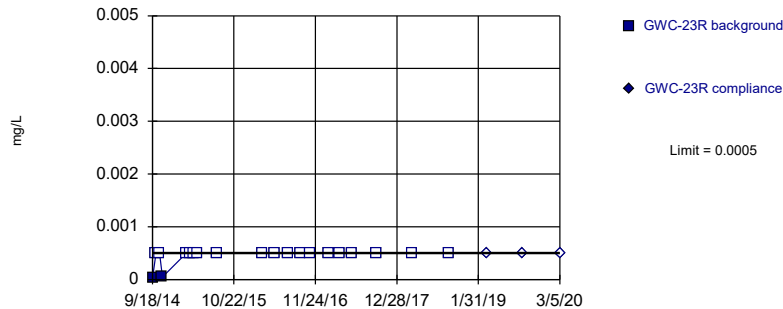


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

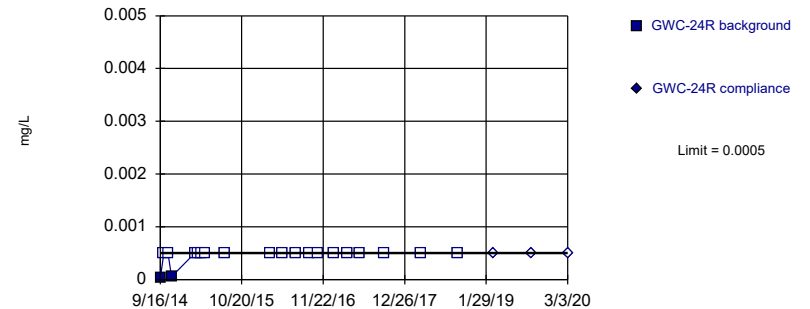


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0005	
10/5/2014	<0.0005	
10/22/2014	2.57E-05 (J)	
11/5/2014	<0.0005	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/9/2016	<0.0005	
7/15/2016	<0.0005	
9/9/2016	<0.0005	
10/27/2016	<0.0005	
1/12/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/11/2019		<0.0005
9/6/2019		<0.0005
3/3/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	2.54E-05 (J)	
10/5/2014	<0.0005	
10/22/2014	2.83E-05 (J)	
11/5/2014	0.0002	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019		<0.0005
9/5/2019		<0.0005
3/3/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	2.82E-05 (J)	
10/5/2014	<0.0005	
10/22/2014	<0.0005	
11/5/2014	4.83E-05 (J)	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/8/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/9/2016	<0.0005	
5/6/2016	<0.0005	
7/15/2016	<0.0005	
9/14/2016	<0.0005	
11/1/2016	<0.0005	
1/25/2017	<0.0005	
3/22/2017	<0.0005	
5/24/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005
9/6/2019		<0.0005
3/5/2020		<0.0005

Prediction Limit

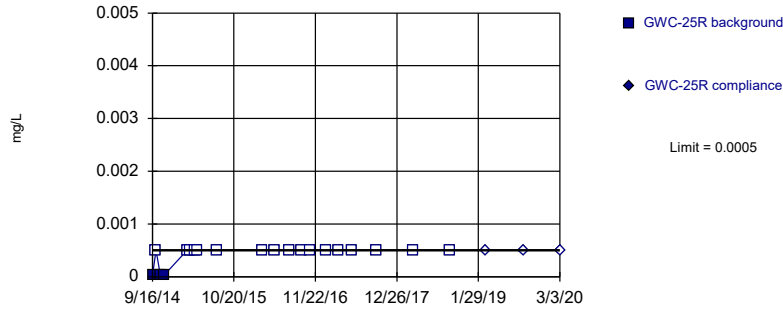
Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	2.81E-05 (J)	
10/4/2014	<0.0005	
10/23/2014	<0.0005	
11/10/2014	5.15E-05 (J)	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/8/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/4/2016	<0.0005	
5/5/2016	<0.0005	
7/12/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/20/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019		<0.0005
9/5/2019		<0.0005 (D)
3/3/2020		<0.0005

Within Limit

Prediction Limit
Intrawell Non-parametric

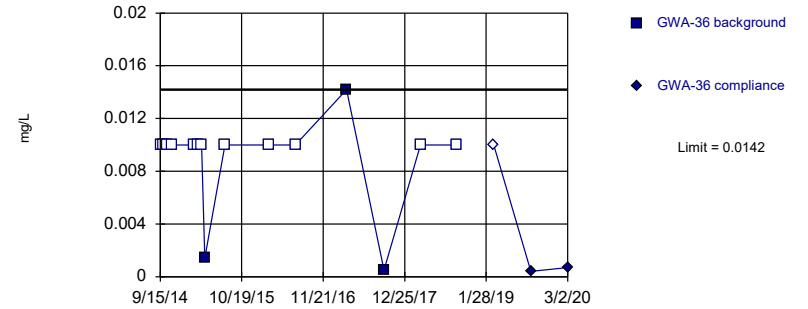


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

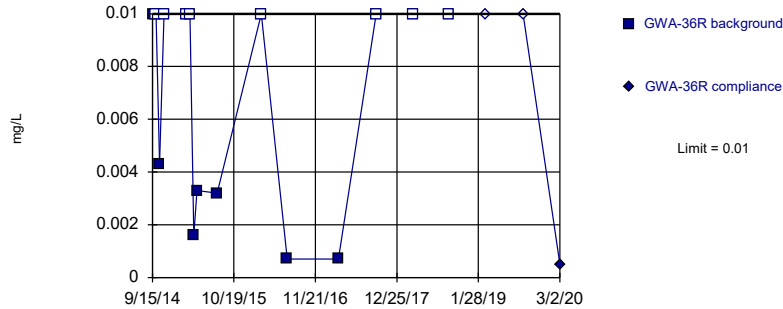


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

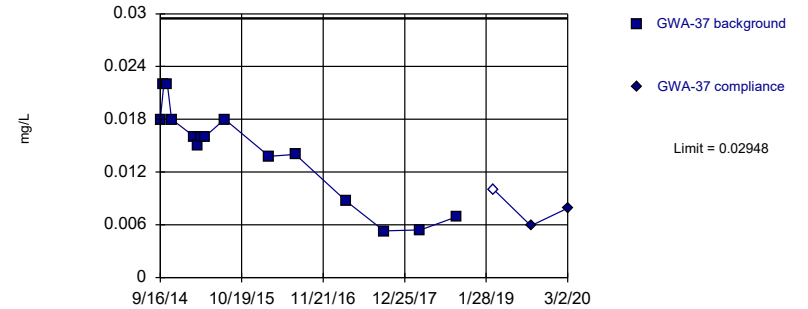


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01434, Std. Dev.=0.005448, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9052, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	3.13E-05 (J)	
10/4/2014	<0.0005	
10/23/2014	4.6E-05 (J)	
11/10/2014	2.5E-05 (J)	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/9/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/4/2016	<0.0005	
7/18/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/16/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019		<0.0005
9/5/2019		<0.0005
3/3/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/21/2015	0.0014 (J)	
7/28/2015	<0.01	
3/1/2016	<0.01	
7/7/2016	<0.01	
3/15/2017	0.0142	
9/15/2017	0.0005 (J)	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01
9/4/2019		0.00041 (J)
3/2/2020		0.00071 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.01	
10/3/2014	<0.01	
10/20/2014	0.0043	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	0.0016 (J)	
4/21/2015	0.0033	
7/28/2015	0.0032	
3/1/2016	<0.01	
7/6/2016	0.0007 (J)	
3/14/2017	0.0007 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/2/2020		0.00051 (J)

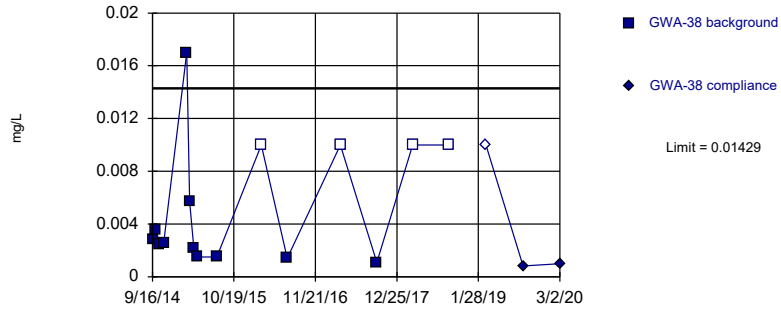
Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.022	
10/20/2014	0.022	
11/10/2014	0.018	
3/2/2015	0.016	
3/17/2015	0.015	
4/5/2015	0.016	
4/22/2015	0.016	
7/28/2015	0.018	
3/1/2016	0.0138	
7/8/2016	0.014	
3/14/2017	0.0087 (J)	
9/15/2017	0.0053 (J)	
3/12/2018	0.0054 (J)	
9/6/2018	0.0069 (J)	
3/6/2019		<0.01
9/4/2019		0.0059 (J)
3/2/2020		0.0079 (J)

Within Limit

Prediction Limit
Intrawell Parametric

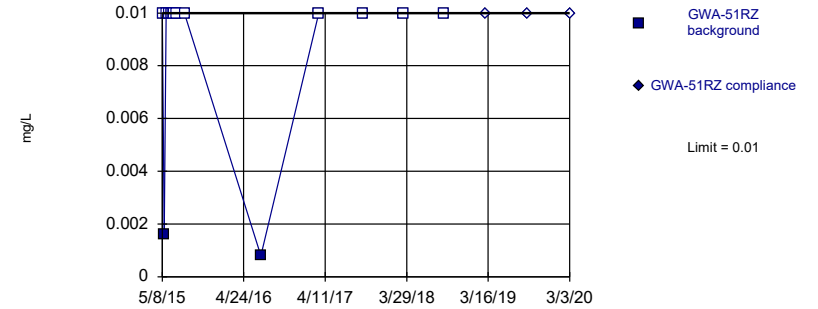


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05358, Std. Dev.=0.02374, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8698, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

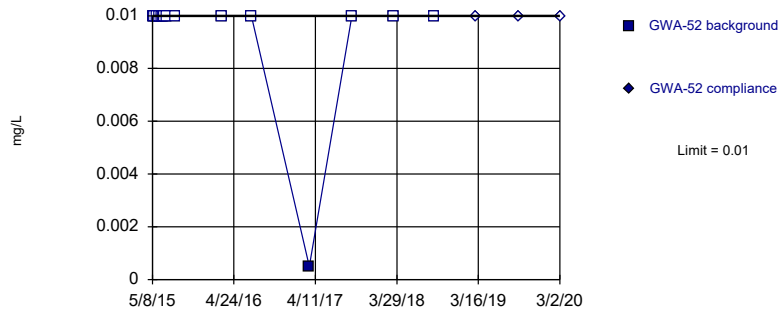


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

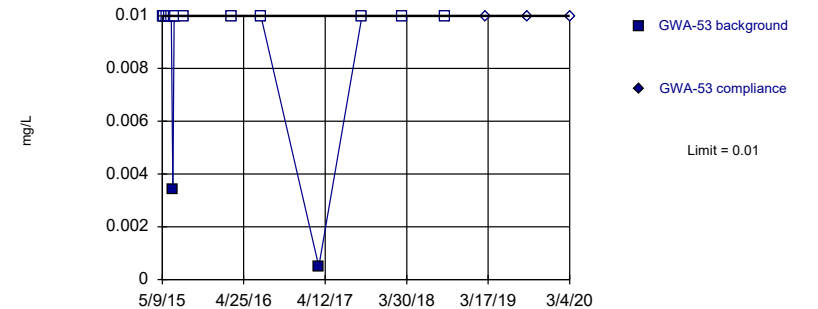


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0036	
10/20/2014	0.0025	
11/10/2014	0.0026	
3/2/2015	0.017	
3/17/2015	0.0057	
4/6/2015	0.0022 (J)	
4/22/2015	0.0015 (J)	
7/28/2015	0.0015 (J)	
3/2/2016	<0.01	
7/7/2016	0.0014 (J)	
3/23/2017	<0.01	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.000825 (JD)
3/2/2020		0.001 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.01	
5/17/2015	0.0016 (J)	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
7/7/2016	0.0008 (JD)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/4/2019		<0.01
3/3/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	0.0005 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01

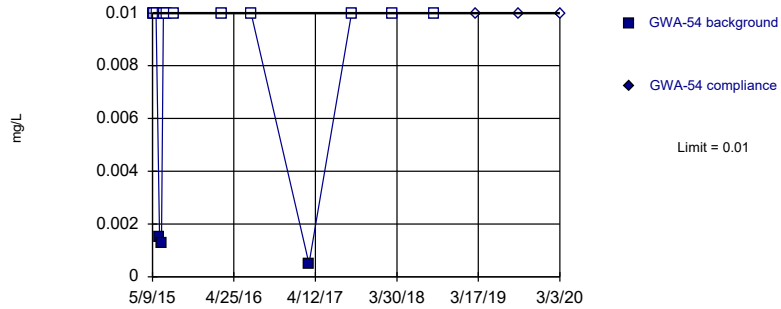
Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/17/2015	<0.01	
6/24/2015	0.0034	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/16/2017	0.0005 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01

Within Limit

Prediction Limit Intrawell Non-parametric

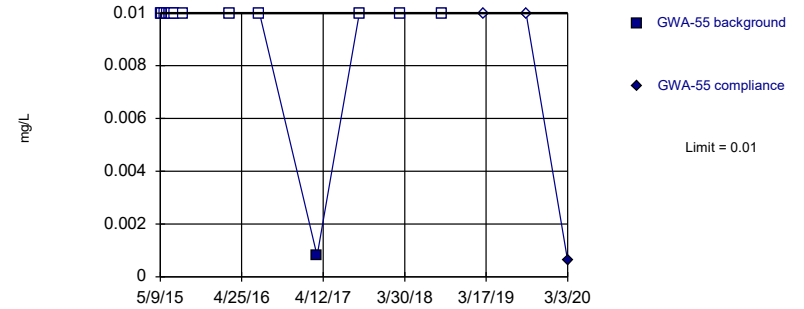


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

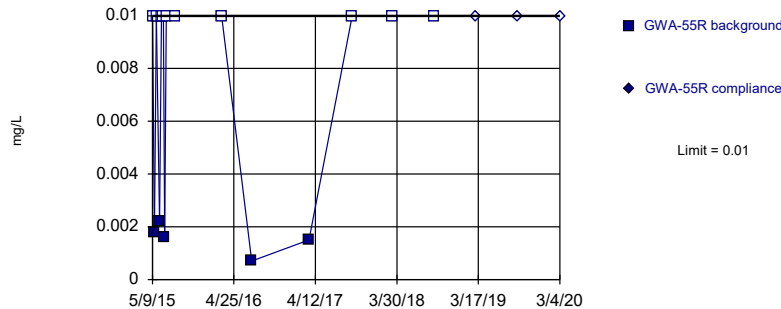


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

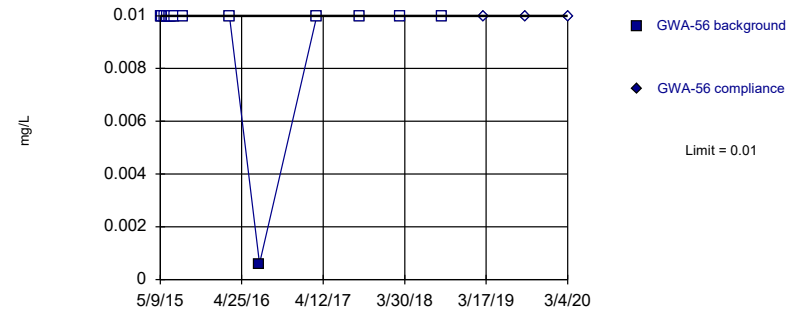


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	<0.01	
6/9/2015	0.0015 (J)	
6/17/2015	0.0013 (J)	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	<0.01	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	0.0005 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/3/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	0.0008 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/3/2020		0.00061 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	0.0018 (J)	
5/26/2015	<0.01	
6/9/2015	0.0022 (J)	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	0.0016 (J)	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
7/11/2016	0.0007 (J)	
3/16/2017	0.0015 (J)	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01

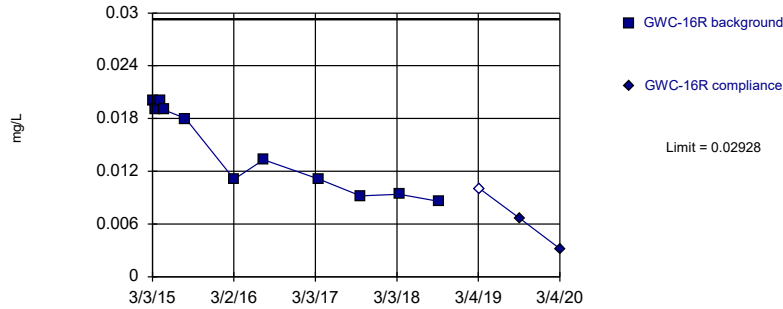
Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
7/11/2016	0.0006 (J)	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/4/2020		<0.01

Within Limit

Prediction Limit
Intrawell Parametric

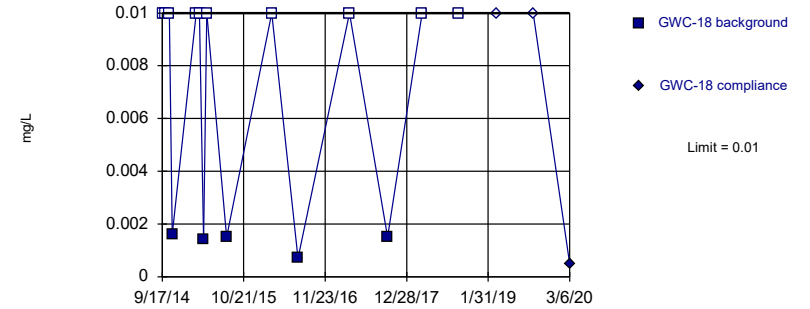


Background Data Summary: Mean=0.01443, Std. Dev.=0.004761, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8333, critical = 0.792. Kappa = 3.12 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

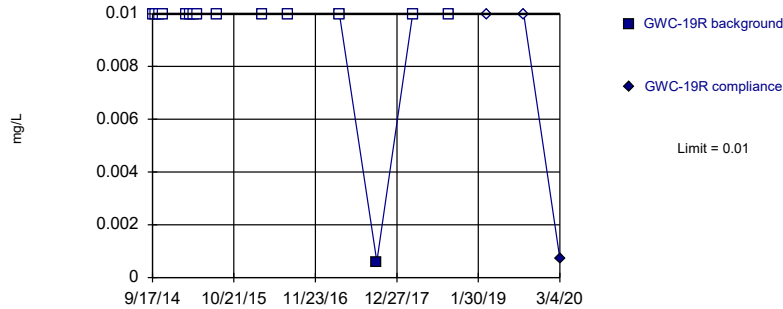


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

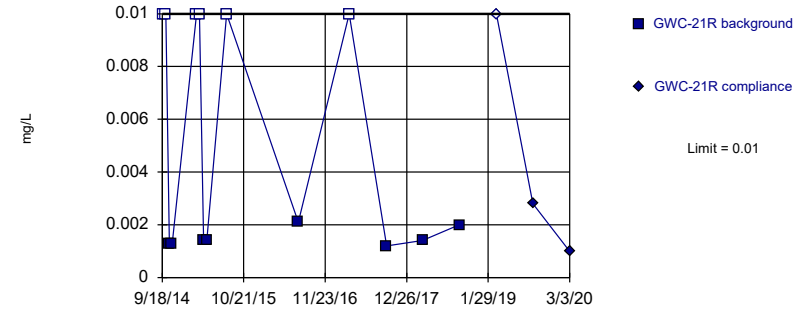


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.03	
10/4/2014	0.029	
10/21/2014	0.026	
11/11/2014	0.023	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.018	
3/3/2016	0.0111 (D)	
7/13/2016	0.0133	
3/20/2017	0.0111	
9/21/2017	0.0092 (J)	
3/14/2018	0.0094 (J)	
9/7/2018	0.0086 (J)	
3/11/2019		<0.01
9/9/2019		0.0066 (J)
3/4/2020		0.0032 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	0.0016 (J)	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	0.0014 (J)	
4/23/2015	<0.01	
7/29/2015	0.0015 (J)	
3/7/2016	<0.01	
7/13/2016	0.0007 (J)	
3/23/2017	<0.01	
9/25/2017	0.0015 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/9/2019		<0.01
3/6/2020		0.0005 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/9/2019		<0.01
3/4/2020		0.00071 (J)

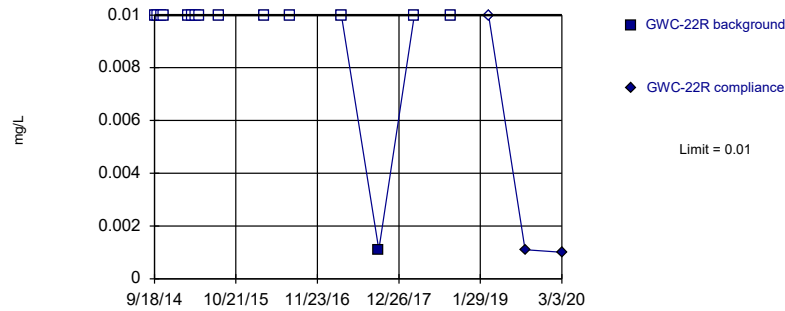
Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.0013 (J)	
11/5/2014	0.0013 (J)	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	0.0014 (J)	
4/24/2015	0.0014 (J)	
7/30/2015	<0.01	
3/8/2016	0.0261 (o)	
7/15/2016	0.0021 (J)	
3/21/2017	<0.01	
9/19/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/10/2018	0.002 (J)	
3/11/2019		<0.01
9/6/2019		0.0028 (J)
3/3/2020		0.00099 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

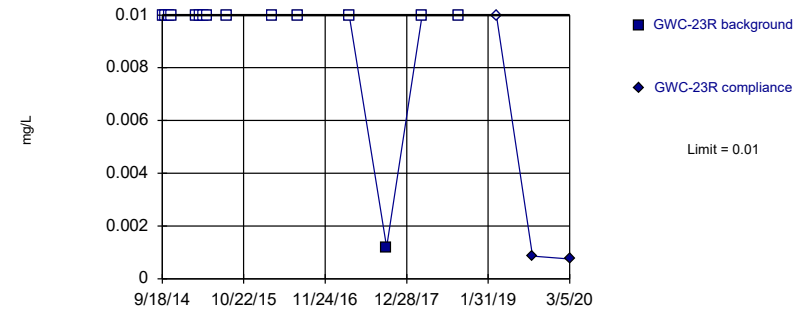


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

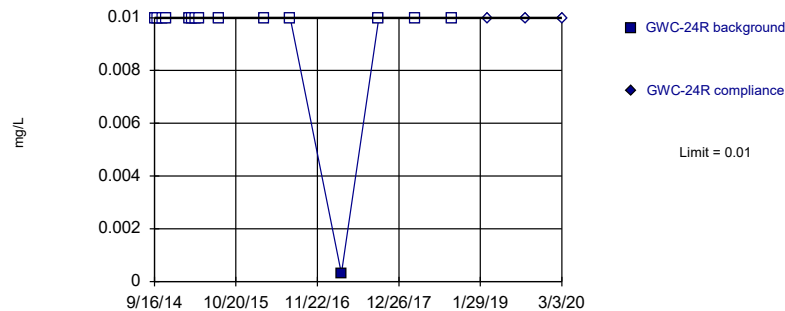


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

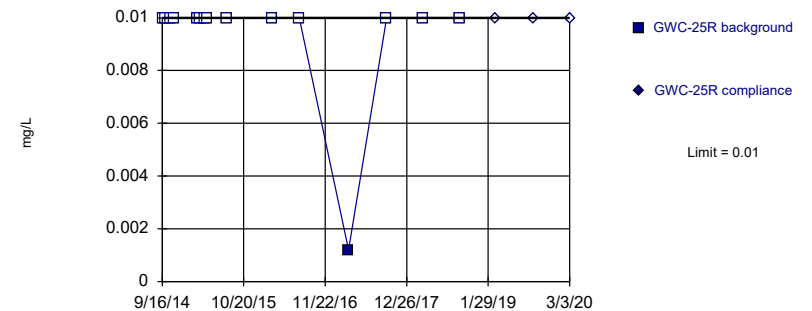


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/5/2019		0.0011 (J)
3/3/2020		0.001 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	0.0012 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.00086 (J)
3/5/2020		0.00075 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

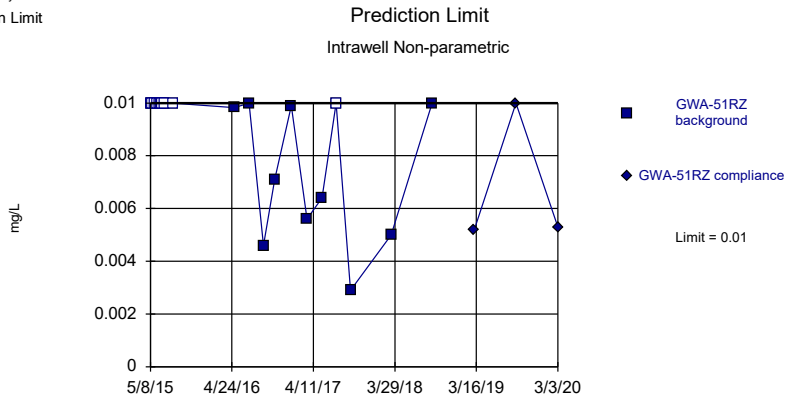
	GWC-24R	GWC-24R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	<0.01	
7/12/2016	<0.01	
3/20/2017	0.0003 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01 (D)
3/3/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/9/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/18/2016	<0.01	
3/16/2017	0.0012 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/3/2020		<0.01

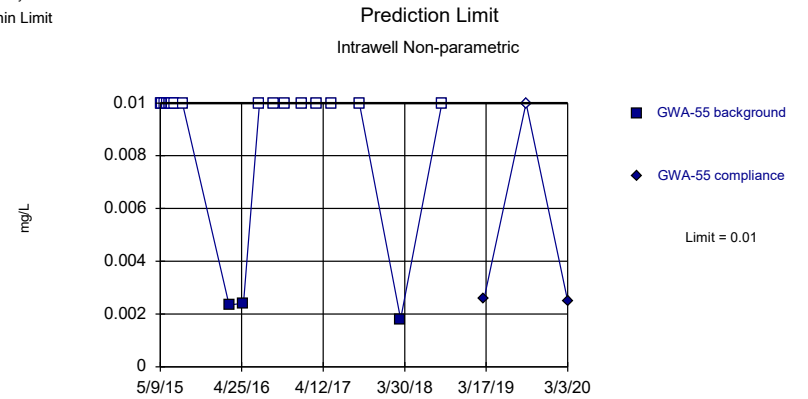
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

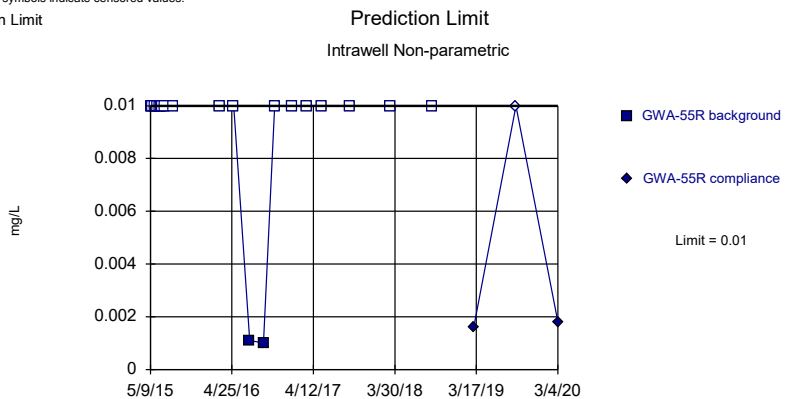
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

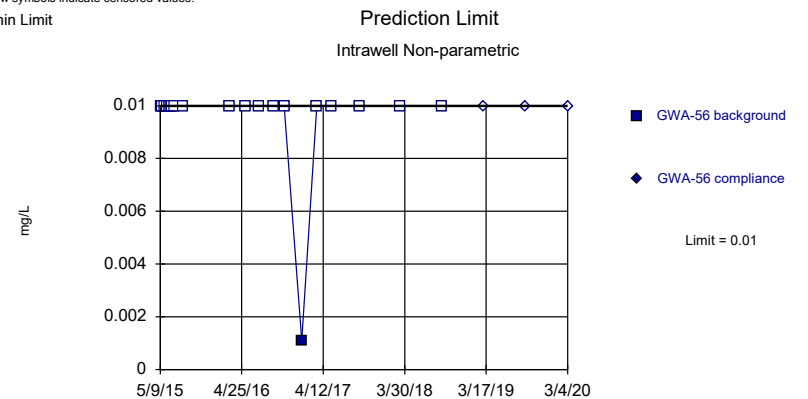
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
5/4/2016	0.00982 (JD)	
7/7/2016	0.01 (D)	
9/8/2016	0.0046 (JD)	
10/26/2016	0.0071 (JD)	
1/6/2017	0.0099 (JD)	
3/15/2017	0.0056 (JD)	
5/18/2017	0.0064 (JD)	
7/19/2017	<0.01 (D)	
9/19/2017	0.0029 (JD)	
3/13/2018	0.005 (J)	
9/7/2018	0.01	
3/8/2019		0.0052 (J)
9/4/2019		0.01
3/3/2020		0.0053 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/2/2016	0.00234 (J)	
5/3/2016	0.00241 (J)	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	<0.01	
5/18/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	0.0018 (J)	
9/7/2018	<0.01	
3/8/2019		0.0026 (J)
9/5/2019		<0.01
3/3/2020		0.0025 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	0.0011 (J)	
9/9/2016	0.001 (J)	
10/27/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	<0.01	
5/18/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		0.0016 (J)
9/5/2019		<0.01
3/4/2020		0.0018 (J)

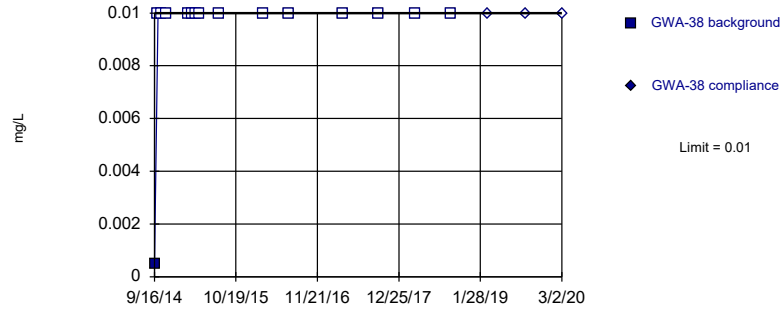
Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
5/9/2016	<0.01	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	0.0011 (J)	
3/15/2017	<0.01	
5/18/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/4/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

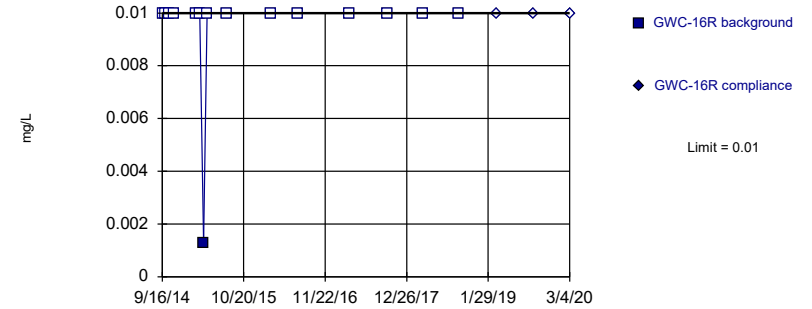


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

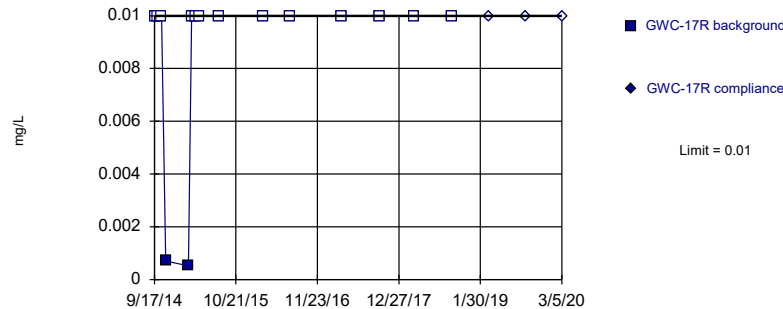


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

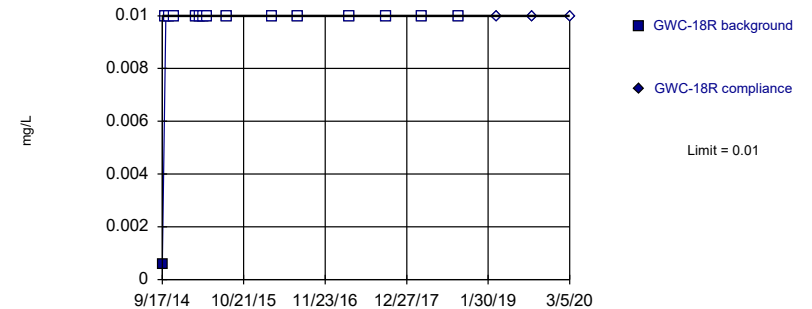


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.00051 (J)	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/6/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01 (D)
3/2/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	0.0013 (J)	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/3/2016	<0.01 (D)	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/9/2019		<0.01
3/4/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0007 (J)	
3/3/2015	0.00052 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/10/2019		<0.01
3/5/2020		<0.01

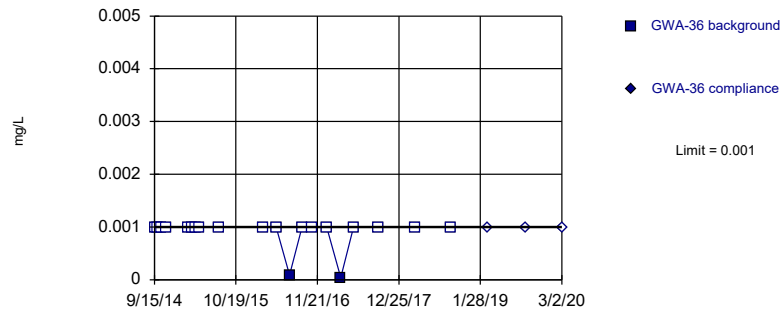
Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.00058 (J)	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01
3/5/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

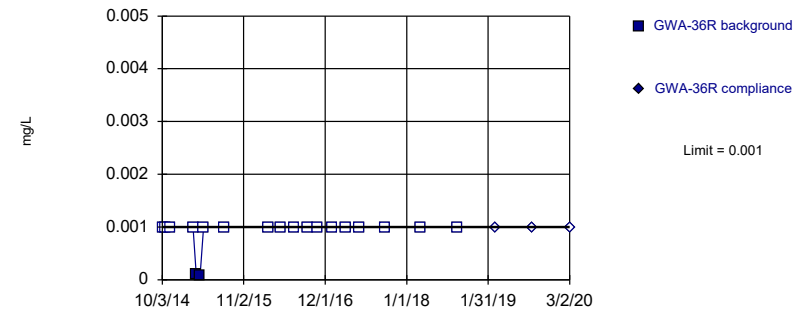


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

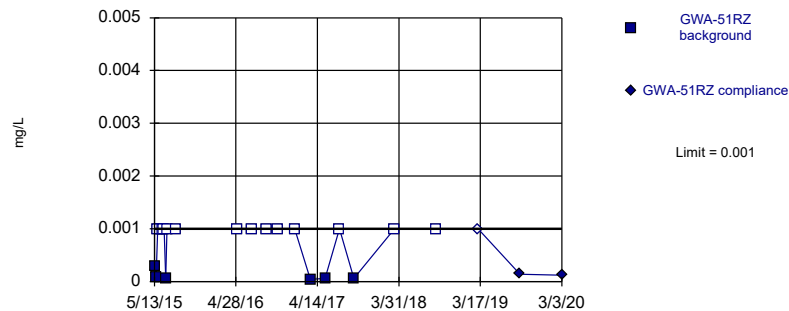


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

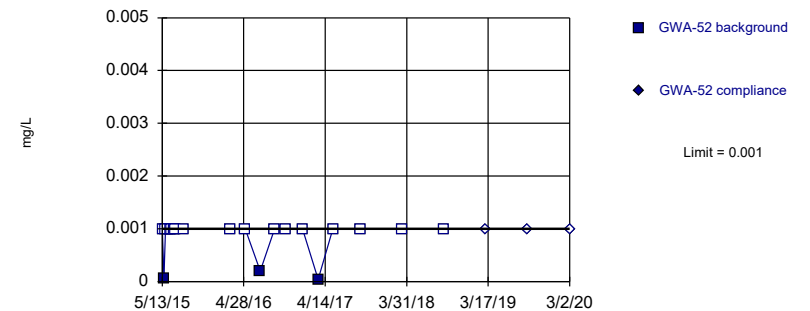


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/7/2016	9E-05 (J)	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/15/2017	4E-05 (J)	
5/17/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/6/2019		<0.001
9/4/2019		<0.001
3/2/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	0.0001 (J)	
4/5/2015	7E-05 (J)	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001
9/4/2019		<0.001
3/2/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/13/2015	0.0003 (J)	
5/20/2015	9E-05 (J)	
5/27/2015	<0.001	
6/8/2015	<0.001	
6/18/2015	<0.001	
6/24/2015	<0.001	
6/30/2015	6E-05 (J)	
7/6/2015	<0.001	
8/12/2015	<0.001	
5/4/2016	<0.001 (D)	
7/7/2016	<0.001 (D)	
9/8/2016	<0.001 (D)	
10/26/2016	<0.001 (D)	
1/6/2017	<0.001 (D)	
3/15/2017	4E-05 (JD)	
5/18/2017	6E-05 (JD)	
7/19/2017	<0.001 (D)	
9/19/2017	6E-05 (JD)	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/8/2019		<0.001
9/4/2019		0.00014 (J)
3/3/2020		0.00012 (J)

Prediction Limit

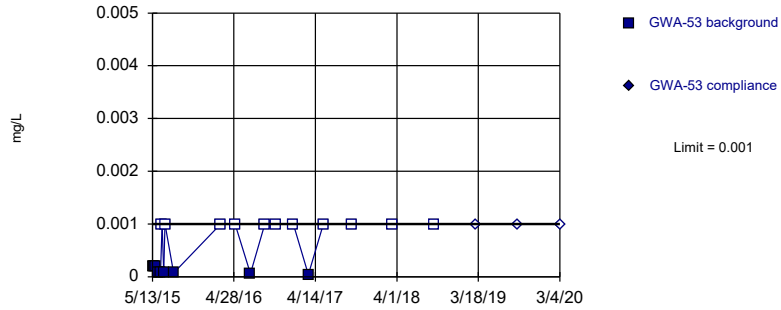
Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/13/2015	<0.001	
5/20/2015	6E-05 (J)	
5/27/2015	<0.001	
6/8/2015	<0.001	
6/18/2015	<0.001	
6/24/2015	<0.001	
6/30/2015	<0.001	
7/6/2015	<0.001	
8/12/2015	<0.001	
2/29/2016	<0.001	
5/4/2016	<0.001	
7/8/2016	0.0002 (J)	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/6/2017	<0.001	
3/15/2017	4E-05 (J)	
5/17/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001
9/4/2019		<0.001
3/2/2020		<0.001

Within Limit

Prediction Limit
Intrawell Non-parametric

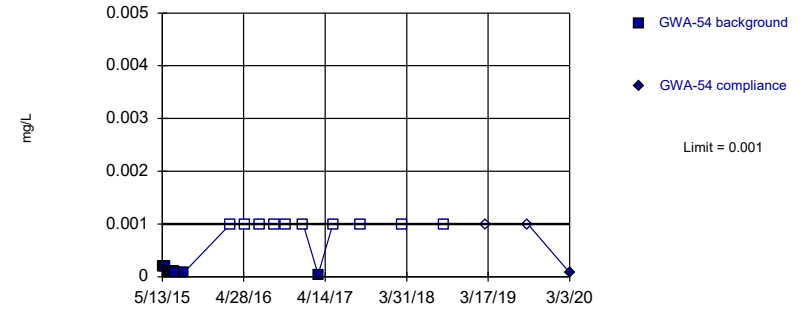


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

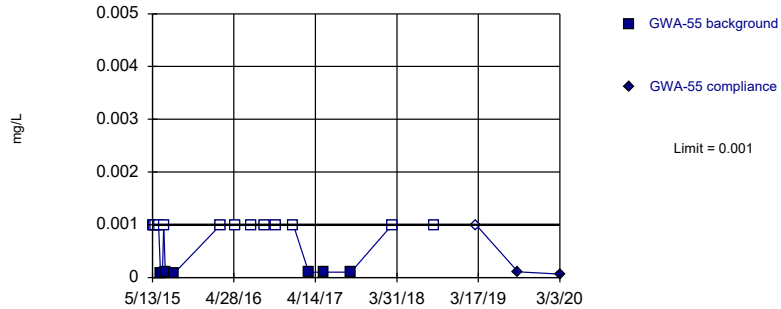


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

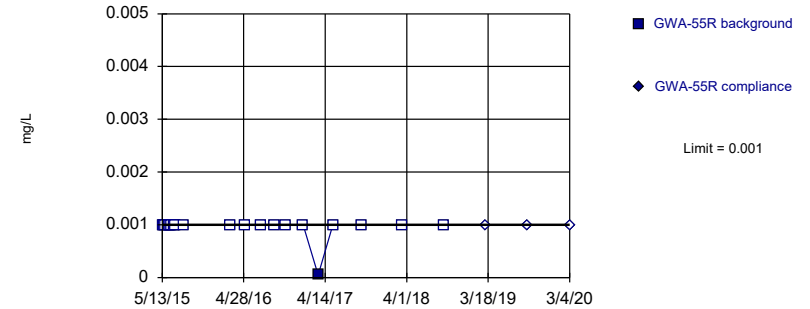


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/13/2015	0.0002 (J)	
5/20/2015	0.0002 (J)	
5/27/2015	0.0002 (J)	
6/8/2015	9E-05 (J)	
6/17/2015	7E-05 (J)	
6/24/2015	<0.001	
6/30/2015	9E-05 (J)	
7/6/2015	<0.001	
8/12/2015	7E-05 (J)	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/8/2016	6E-05 (J)	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	4E-05 (J)	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019		<0.001
9/5/2019		<0.001
3/4/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/13/2015	0.0002 (J)	
5/20/2015	0.0002 (J)	
5/27/2015	0.0002 (J)	
6/9/2015	0.0001 (J)	
6/17/2015	0.0001 (J)	
6/25/2015	0.0001 (J)	
7/1/2015	0.0001 (J)	
7/7/2015	9E-05 (J)	
8/12/2015	7E-05 (J)	
3/2/2016	<0.001	
5/4/2016	<0.001	
7/8/2016	<0.001	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/15/2017	4E-05 (J)	
5/18/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001
9/5/2019		<0.001
3/3/2020		7.9E-05 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/13/2015	<0.001	
5/20/2015	<0.001	
5/27/2015	<0.001	
6/9/2015	<0.001	
6/17/2015	8E-05 (J)	
6/25/2015	7E-05 (J)	
7/1/2015	<0.001	
7/7/2015	0.0001 (J)	
8/13/2015	8E-05 (J)	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	0.0001 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	0.0001 (J)	
3/12/2018	<0.001	
9/7/2018	<0.001	
3/8/2019		<0.001
9/5/2019		0.00011 (J)
3/3/2020		6.5E-05 (J)

Prediction Limit

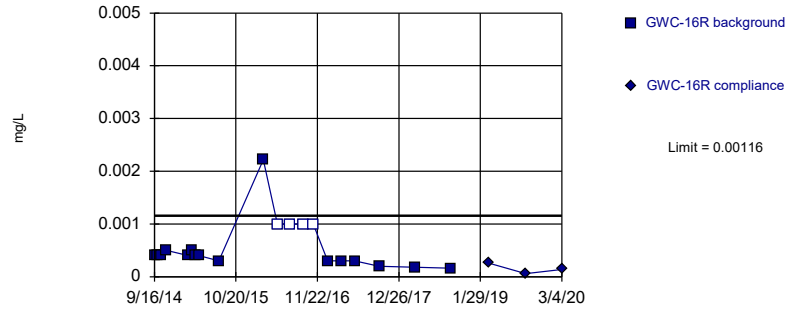
Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/13/2015	<0.001	
5/20/2015	<0.001	
5/27/2015	<0.001	
6/9/2015	<0.001	
6/17/2015	<0.001	
6/24/2015	<0.001	
7/1/2015	<0.001	
7/7/2015	<0.001	
8/13/2015	<0.001	
3/3/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	5E-05 (J)	
5/18/2017	<0.001	
9/18/2017	<0.001	
3/12/2018	<0.001	
9/7/2018	<0.001	
3/7/2019		<0.001
9/5/2019		<0.001
3/4/2020		<0.001

Within Limit

Prediction Limit
Intrawell Parametric

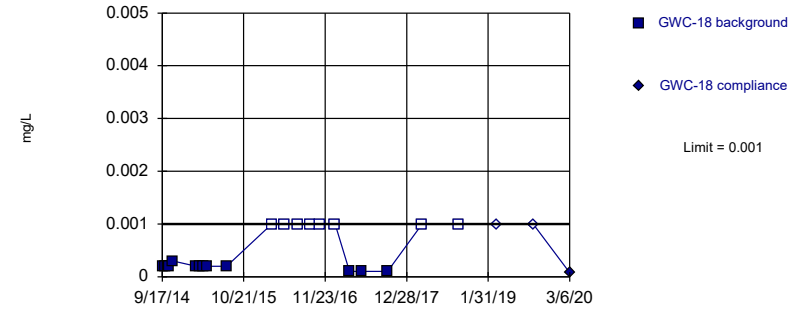


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.321, Std. Dev.=0.6089, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9187, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

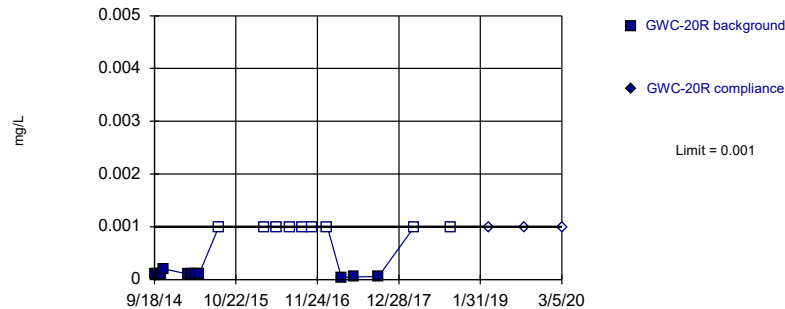


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

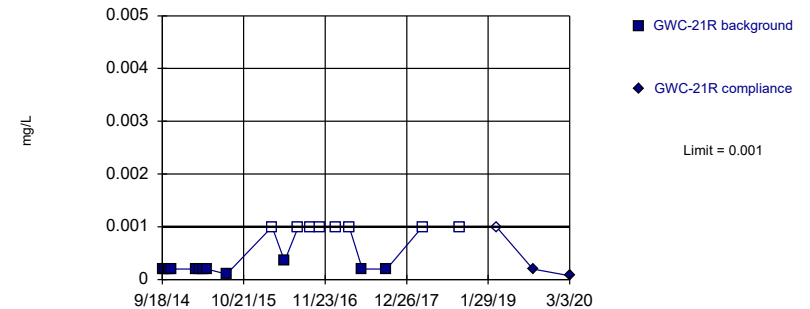


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 45% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0004 (J)	
10/4/2014	0.0004 (J)	
10/21/2014	0.0004 (J)	
11/11/2014	0.0005 (J)	
3/3/2015	0.0004 (J)	
3/18/2015	0.0005 (J)	
4/6/2015	0.0004 (J)	
4/23/2015	0.0004 (J)	
7/29/2015	0.0003 (J)	
3/3/2016	0.002222 (D)	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	0.0003 (J)	
3/20/2017	0.0003 (J)	
5/23/2017	0.0003 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	0.00018 (J)	
9/7/2018	0.00016 (J)	
3/11/2019		0.00026 (J)
9/9/2019		6E-05 (J)
3/4/2020		0.00014 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	0.0002 (J)	
10/4/2014	0.0002 (J)	
10/21/2014	0.0002 (J)	
11/5/2014	0.0003 (J)	
3/3/2015	0.0002 (J)	
3/18/2015	0.0002 (J)	
4/7/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/29/2015	0.0002 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/23/2017	0.0001 (J)	
5/23/2017	0.0001 (J)	
9/25/2017	0.0001 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001
9/9/2019		<0.001
3/6/2020		7.6E-05 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0001 (J)	
10/5/2014	0.0001 (J)	
10/22/2014	0.0001 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/7/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/9/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/22/2017	4E-05 (J)	
5/22/2017	5E-05 (J)	
9/19/2017	6E-05 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019		<0.001
9/6/2019		<0.001 (D)
3/5/2020		<0.001

Prediction Limit

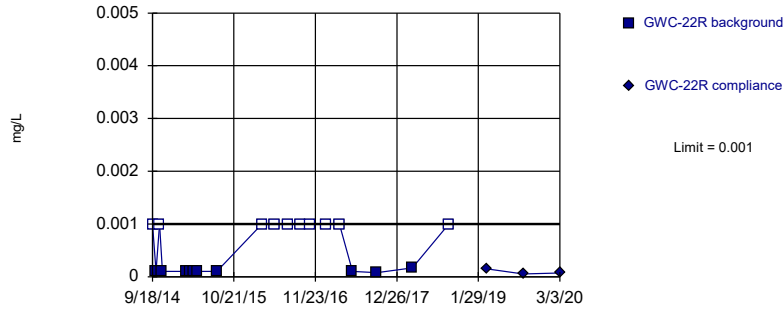
Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0002 (J)	
10/5/2014	0.0002 (J)	
10/22/2014	0.0002 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/19/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/24/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/8/2016	<0.001	
5/9/2016	0.000353 (J)	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	0.0002 (J)	
9/19/2017	0.0002 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019		<0.001
9/6/2019		0.0002 (J)
3/3/2020		7.1E-05 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

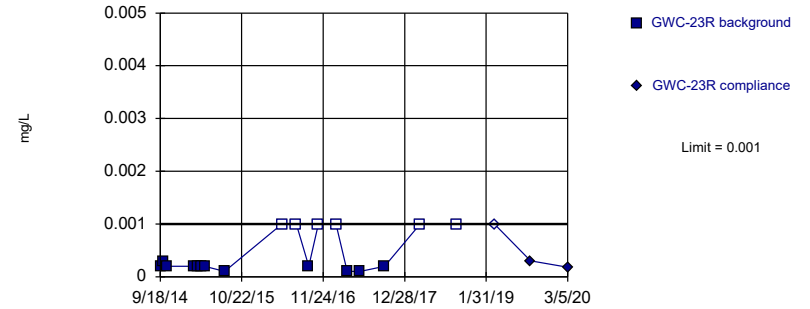


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

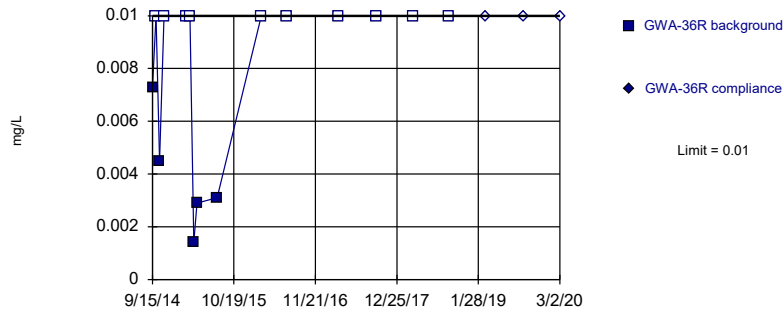


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Thallium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

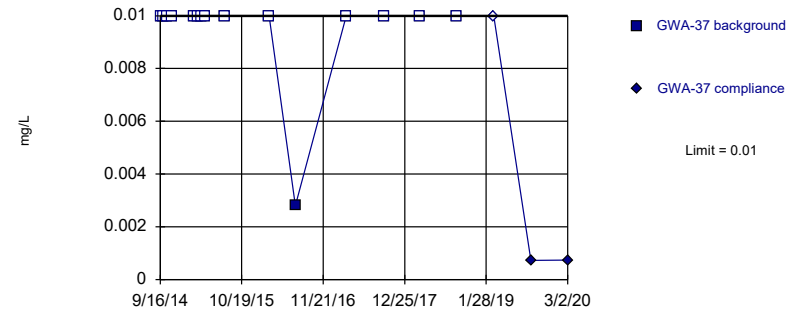


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.001	
10/5/2014	0.0001 (J)	
10/22/2014	<0.001	
11/5/2014	0.0001 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/8/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	0.0001 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	<0.001	
5/23/2017	0.0001 (J)	
9/19/2017	8E-05 (J)	
3/13/2018	0.00017 (J)	
9/7/2018	<0.001	
3/11/2019		0.00015 (J)
9/5/2019		5.5E-05 (J)
3/3/2020		7.2E-05 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0002 (J)	
10/5/2014	0.0003 (J)	
10/22/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/20/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/9/2016	0.0033 (Jo)	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	0.0002 (J)	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	0.0001 (J)	
5/24/2017	0.0001 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001
9/6/2019		0.0003 (J)
3/5/2020		0.00018 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0073	
10/3/2014	<0.01	
10/20/2014	0.0045 (J)	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	0.0014 (J)	
4/21/2015	0.0029 (J)	
7/28/2015	0.0031 (J)	
3/1/2016	<0.01	
7/6/2016	<0.01	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01

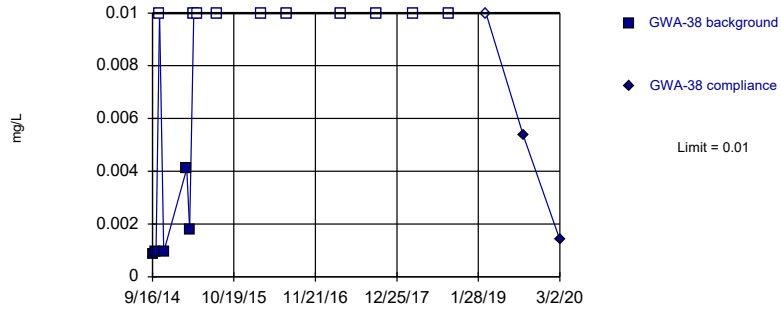
Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/1/2016	<0.01	
7/8/2016	0.0028 (J)	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01
9/4/2019		0.00073 (J)
3/2/2020		0.00074 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

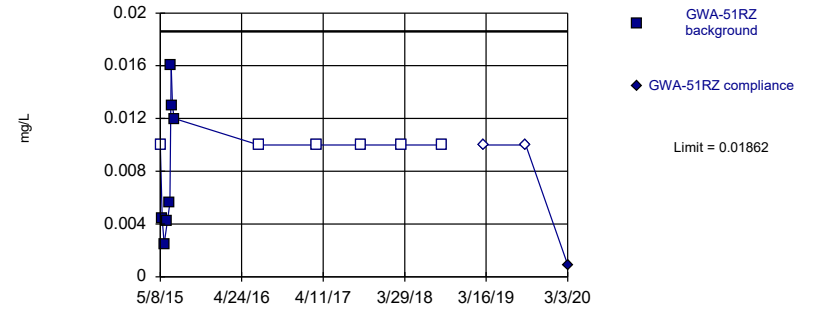


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

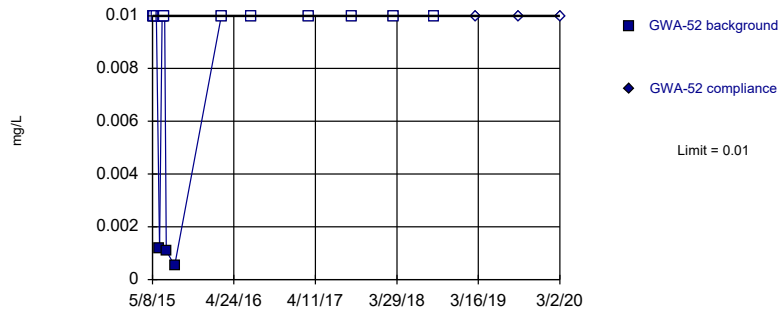


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.006365, Std. Dev.=0.004195, n=13, 46.15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9127, critical = 0.814. Kappa = 2.92 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

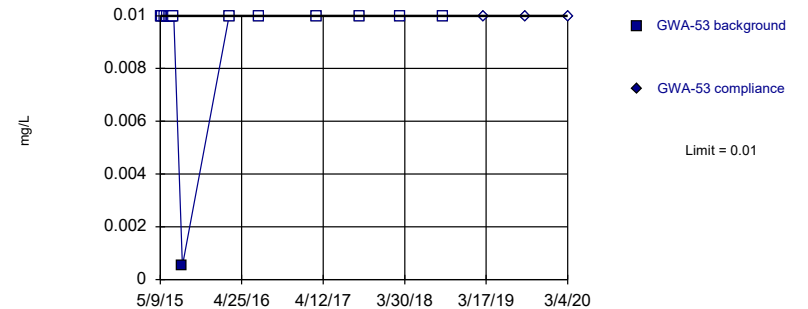


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.00085 (J)	
10/3/2014	0.00096 (J)	
10/20/2014	<0.01	
11/10/2014	0.00095 (J)	
3/2/2015	0.0041 (J)	
3/17/2015	0.0018 (J)	
4/6/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.00538 (D)
3/2/2020		0.0014 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.01	
5/17/2015	0.0044 (J)	
5/25/2015	0.0025 (J)	
6/8/2015	0.0042 (J)	
6/18/2015	0.0056	
6/24/2015	0.016	
6/30/2015	0.013	
7/6/2015	0.012	
7/7/2016	<0.01 (D)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/4/2019		<0.01
3/3/2020		0.00091 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	0.0012 (J)	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	0.0011 (J)	
8/12/2015	0.000519 (J)	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01

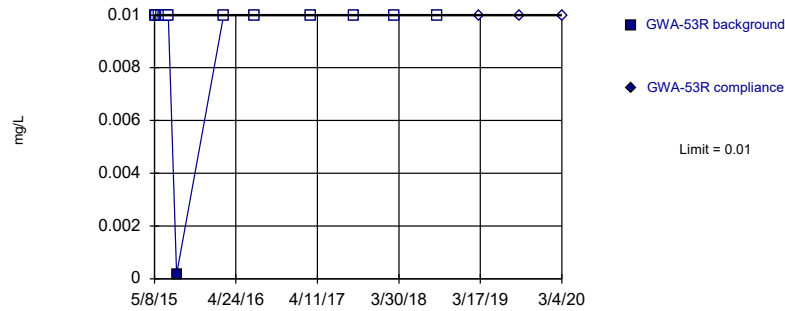
Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/17/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	0.000525 (J)	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

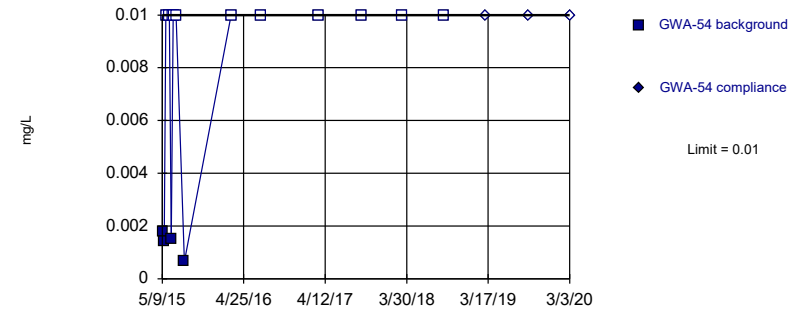


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

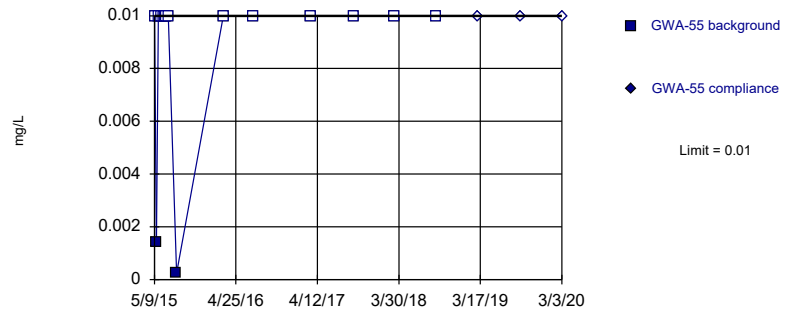


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

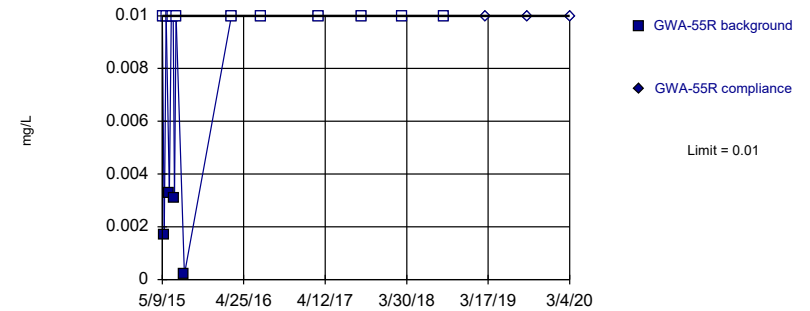


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	0.000172 (J)	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	0.0018 (J)	
5/18/2015	0.0014 (J)	
5/25/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	0.0015 (J)	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	0.000656 (J)	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/3/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	0.0014 (J)	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	0.000246 (J)	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/3/2020		<0.01

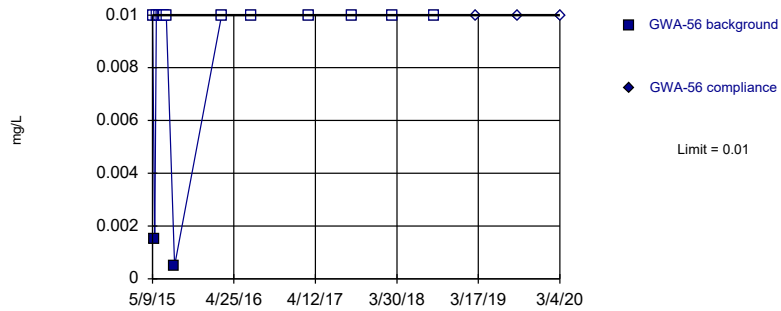
Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	0.0017 (J)	
5/26/2015	<0.01	
6/9/2015	0.0033 (J)	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	0.0031 (J)	
7/7/2015	<0.01	
8/12/2015	0.000187 (J)	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

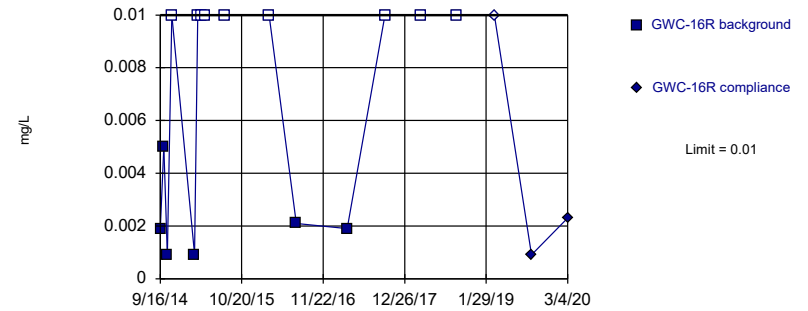


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:15 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

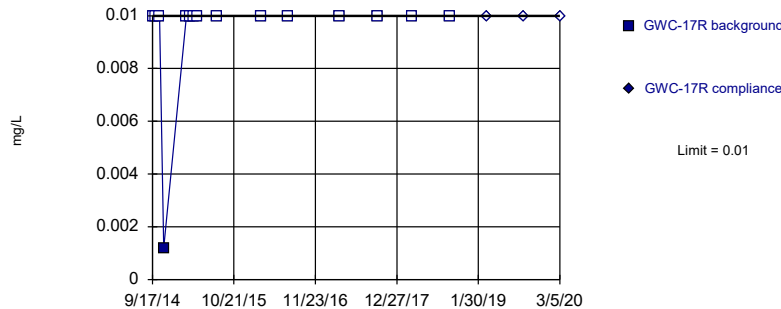


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

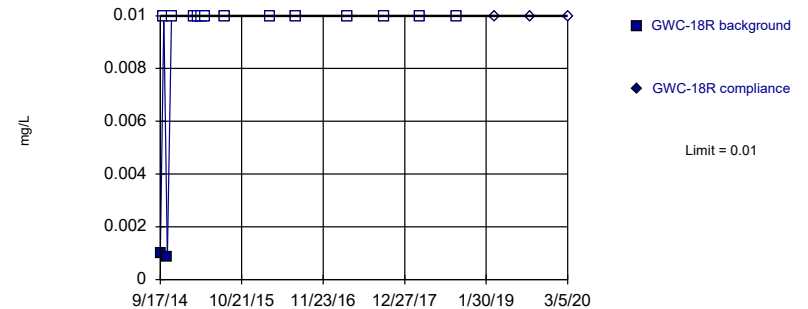


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	0.0015 (J)	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	0.000497 (J)	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/4/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0019 (J)	
10/4/2014	0.005	
10/21/2014	0.00089 (J)	
11/11/2014	<0.01	
3/3/2015	0.00093 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/3/2016	<0.01 (D)	
7/13/2016	0.0021 (J)	
3/20/2017	0.0019 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/9/2019		0.00091 (J)
3/4/2020		0.0023 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0012 (J)	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/10/2019		<0.01
3/5/2020		<0.01

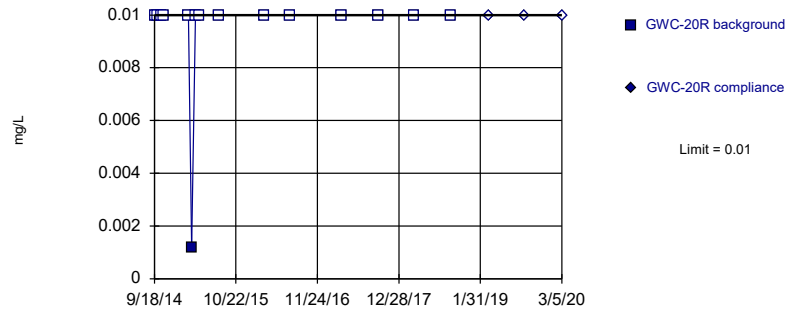
Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.001 (J)	
10/4/2014	<0.01	
10/21/2014	0.00084 (J)	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01
3/5/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

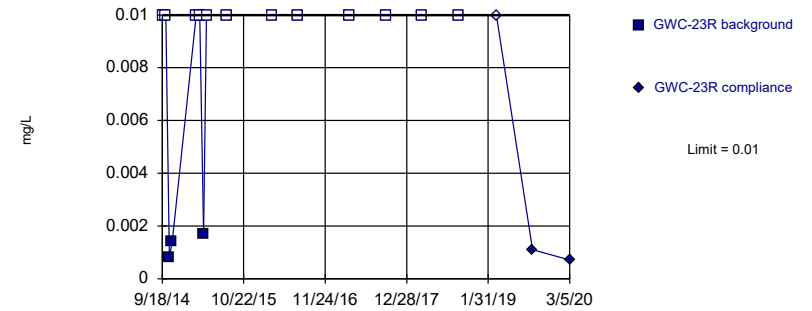


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

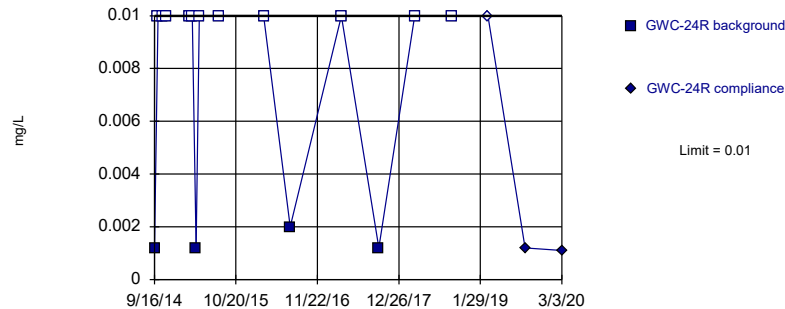


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

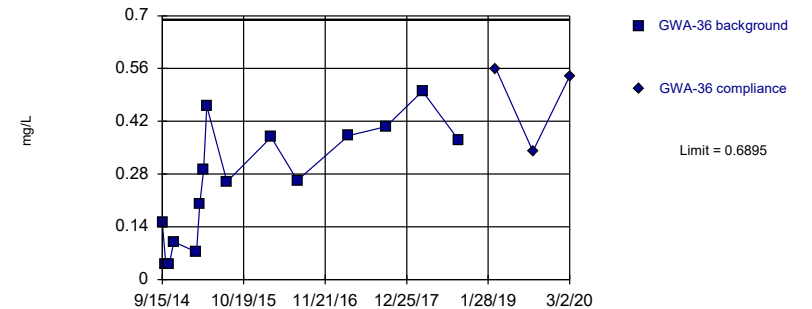


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.2609, Std. Dev.=0.1542, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	0.0012 (J)	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01 (D)
3/5/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.00083 (J)	
11/5/2014	0.0014 (J)	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0017 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.0011 (J)
3/5/2020		0.00071 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.0012 (J)	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0012 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	<0.01	
7/12/2016	0.002 (J)	
3/20/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.0012 (JD)
3/3/2020		0.0011 (J)

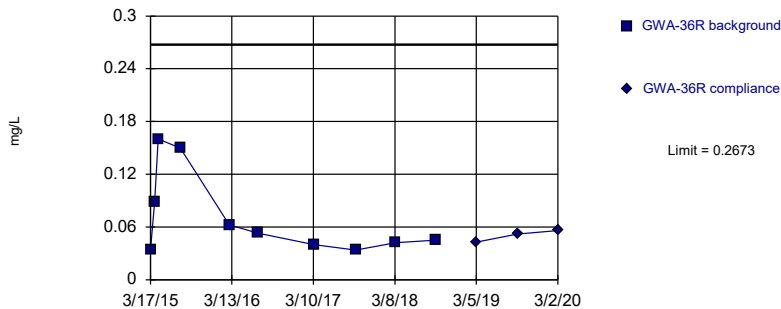
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	0.15	
10/3/2014	0.04	
10/20/2014	0.042	
11/10/2014	0.1	
3/2/2015	0.073	
3/17/2015	0.2	
4/5/2015	0.29	
4/21/2015	0.46	
7/28/2015	0.26	
3/1/2016	0.378	
7/7/2016	0.263	
3/15/2017	0.382	
9/15/2017	0.406	
3/12/2018	0.5	
9/6/2018	0.37	
3/6/2019		0.56
9/4/2019		0.34
3/2/2020		0.54

Within Limit

Prediction Limit
Intrawell Parametric

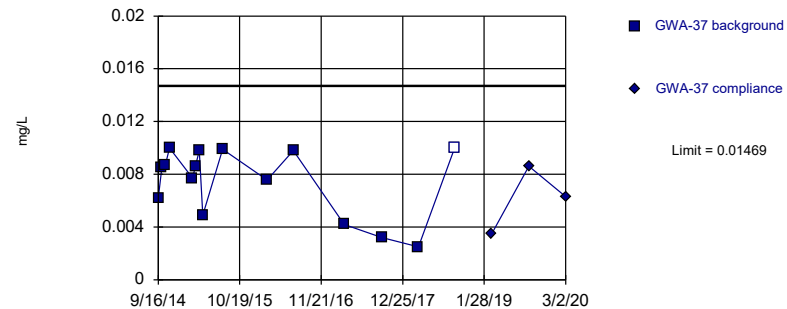


Background Data Summary (based on square root transformation): Mean=0.2552, Std. Dev.=0.08056, n=10.
 Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8146, critical = 0.781. Kappa = 3.25 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



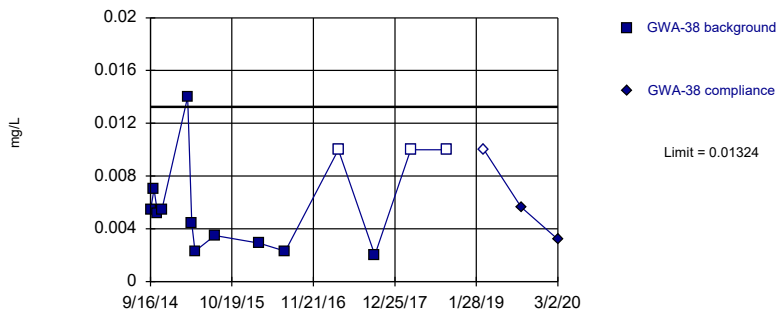
Background Data Summary: Mean=0.007437, Std. Dev.=0.002609, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.865, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



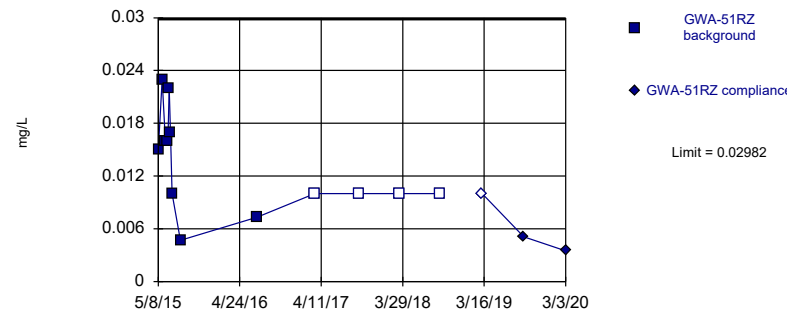
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004518, Std. Dev.=0.003061, n=14, 21.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8929, critical = 0.825. Kappa = 2.85 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01128, Std. Dev.=0.00635, n=13, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.921, critical = 0.814. Kappa = 2.92 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.44 (o)	
10/3/2014	0.021	
10/20/2014	0.19	
11/10/2014	0.0014 (J)	
3/2/2015	0.032	
3/17/2015	0.034	
4/5/2015	0.089	
4/21/2015	0.16	
7/28/2015	0.15	
3/1/2016	0.0627	
7/6/2016	0.0532	
3/14/2017	0.0401	
9/15/2017	0.0338	
3/12/2018	0.042	
9/6/2018	0.045	
3/7/2019		0.043
9/4/2019		0.052
3/2/2020		0.056

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.0062	
10/3/2014	0.0085	
10/20/2014	0.0087	
11/10/2014	0.01	
3/2/2015	0.0077	
3/17/2015	0.0086	
4/5/2015	0.0098	
4/22/2015	0.0049	
7/28/2015	0.0099	
3/1/2016	0.00756 (J)	
7/8/2016	0.0098 (J)	
3/14/2017	0.0042 (J)	
9/15/2017	0.0032 (J)	
3/12/2018	0.0025 (J)	
9/6/2018	<0.01	
3/6/2019		0.0035 (J)
9/4/2019		0.0086 (J)
3/2/2020		0.0063 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.0054	
10/3/2014	0.007	
10/20/2014	0.0052	
11/10/2014	0.0054	
3/17/2015	0.014	
4/6/2015	0.0044	
4/22/2015	0.0023 (J)	
7/28/2015	0.0035	
3/2/2016	0.0029 (J)	
7/7/2016	0.0023 (J)	
3/23/2017	<0.01	
9/19/2017	0.002 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.00565 (JD)
3/2/2020		0.0032 (J)

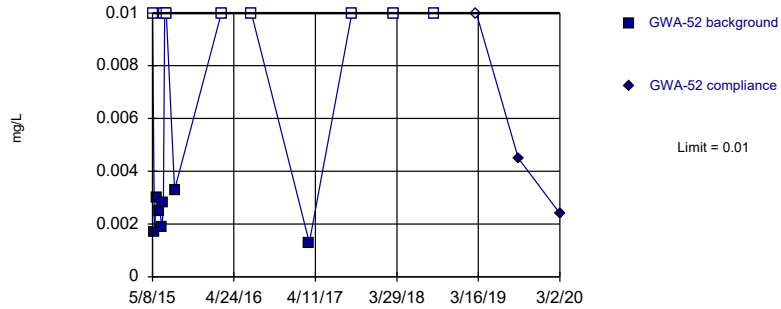
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	0.015	
5/25/2015	0.023	
6/8/2015	0.016	
6/18/2015	0.016	
6/24/2015	0.022	
6/30/2015	0.017	
7/6/2015	0.01	
8/12/2015	0.0047 (BJ)	
7/7/2016	0.0073 (JD)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/4/2019		0.0051 (J)
3/3/2020		0.0035 (J)

Within Limit

Prediction Limit Intrawell Non-parametric

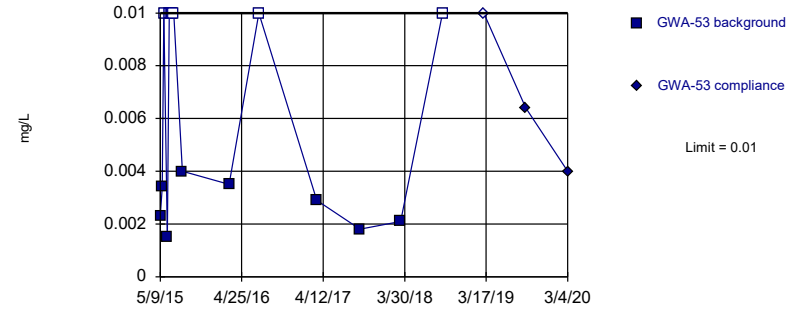


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

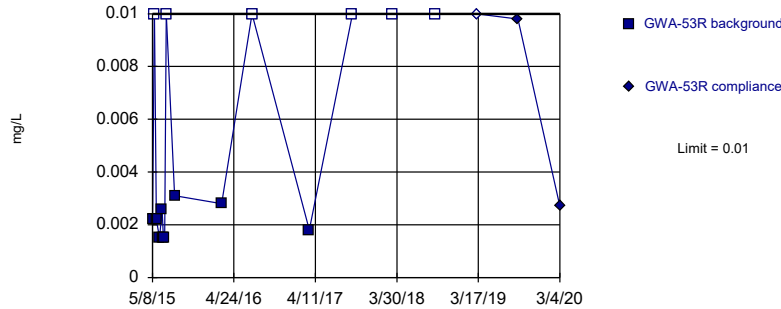


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

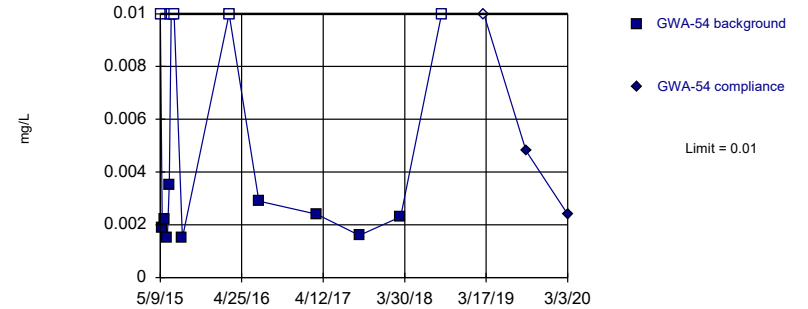


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.01	
5/17/2015	0.0017 (J)	
5/25/2015	0.003	
6/8/2015	0.0025	
6/18/2015	0.0019 (J)	
6/24/2015	0.0028	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	0.0033 (BJ)	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	0.0013 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.0045 (J)
3/2/2020		0.0024 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	0.0023 (J)	
5/18/2015	0.0034	
5/25/2015	<0.01	
6/8/2015	0.0015 (J)	
6/17/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	0.004 (BJ)	
3/2/2016	0.0035 (J)	
7/8/2016	<0.01	
3/16/2017	0.0029 (J)	
9/19/2017	0.0018 (J)	
3/13/2018	0.0021 (J)	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.0064 (J)
3/4/2020		0.004 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

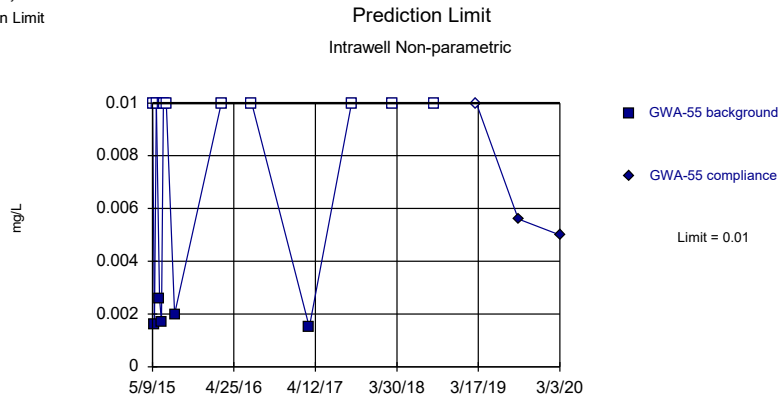
	GWA-53R	GWA-53R
5/8/2015	0.0022 (J)	
5/17/2015	<0.01	
5/25/2015	0.0022 (J)	
6/8/2015	0.0015 (J)	
6/18/2015	0.0026	
6/24/2015	0.0015 (J)	
6/30/2015	0.0015 (J)	
7/6/2015	<0.01	
8/12/2015	0.0031 (BJ)	
3/2/2016	0.0028 (J)	
7/11/2016	<0.01	
3/16/2017	0.0018 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/5/2019		0.0098 (J)
3/4/2020		0.0027 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.01	
5/18/2015	0.0019 (J)	
5/25/2015	0.0022 (J)	
6/9/2015	0.0015 (J)	
6/17/2015	0.0035	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	0.0015 (BJ)	
3/2/2016	<0.01	
7/8/2016	0.0029 (J)	
3/15/2017	0.0024 (J)	
9/15/2017	0.0016 (J)	
3/13/2018	0.0023 (J)	
9/6/2018	<0.01	
3/7/2019		<0.01
9/5/2019		0.0048 (J)
3/3/2020		0.0024 (J)

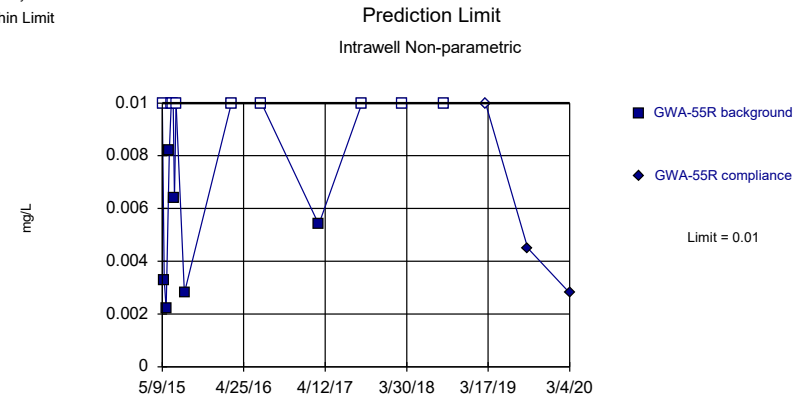
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

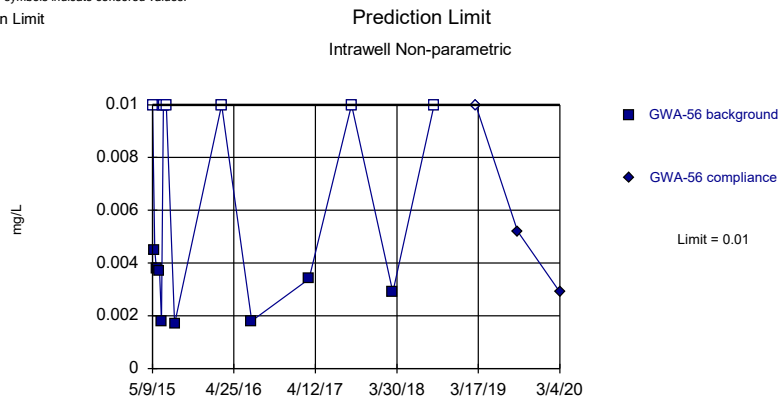
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

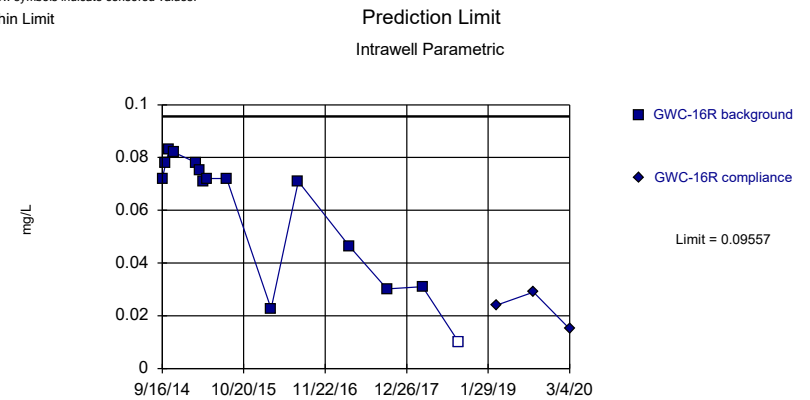
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit



Background Data Summary (based on cube transformation): Mean=0.0002999, Std. Dev.=0.0002062, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8545, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	0.0016 (J)	
5/26/2015	<0.01	
6/9/2015	0.0026	
6/17/2015	0.0017 (J)	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	0.002 (BJ)	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	0.0015 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.0056 (J)
3/3/2020		0.005 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	0.0033	
5/26/2015	0.0022 (J)	
6/9/2015	0.0082	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	0.0064	
7/7/2015	<0.01	
8/13/2015	0.0028 (BJ)	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	0.0054 (J)	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/5/2019		0.0045 (J)
3/4/2020		0.0028 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	0.0045	
5/26/2015	0.0038	
6/9/2015	0.0037	
6/17/2015	0.0018 (J)	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	0.0017 (BJ)	
3/3/2016	<0.01	
7/11/2016	0.0018 (J)	
3/15/2017	0.0034 (J)	
9/15/2017	<0.01	
3/13/2018	0.0029 (J)	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.0052 (J)
3/4/2020		0.0029 (J)

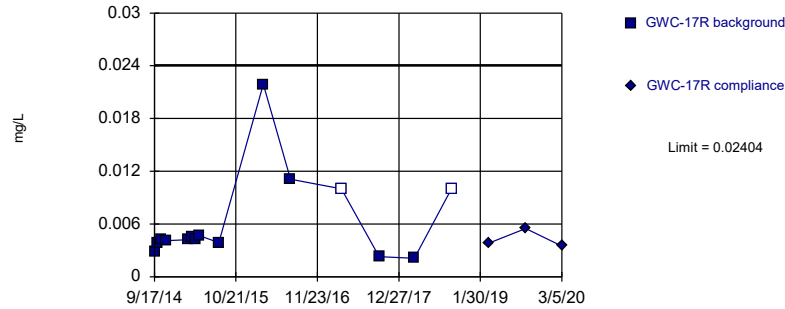
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.072	
10/4/2014	0.078	
10/21/2014	0.083	
11/11/2014	0.082	
3/3/2015	0.078	
3/18/2015	0.075	
4/6/2015	0.071	
4/23/2015	0.072	
7/29/2015	0.072	
3/3/2016	0.0227 (D)	
7/13/2016	0.0709	
3/20/2017	0.0465	
9/21/2017	0.0302	
3/14/2018	0.031	
9/7/2018	<0.01	
3/11/2019		0.024
9/9/2019		0.029
3/4/2020		0.015

Within Limit

Prediction Limit
Intrawell Parametric

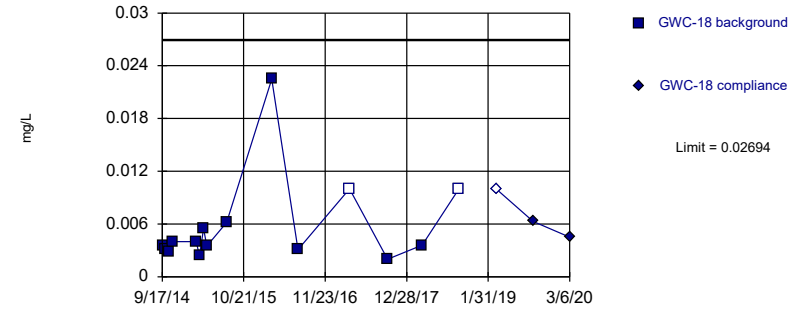


Background Data Summary (based on cube root transformation): Mean=0.1752, Std. Dev.=0.04079, n=15, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8411, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

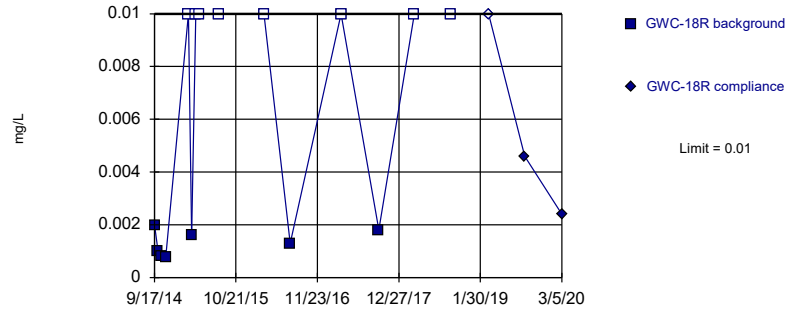


Background Data Summary (based on natural log transformation): Mean=-5.394, Std. Dev.=0.6405, n=15, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8867, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

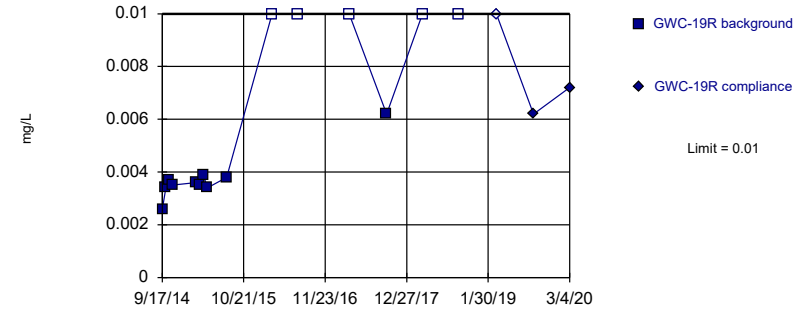


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.0028	
10/4/2014	0.0038	
10/21/2014	0.0043	
11/11/2014	0.0041	
3/3/2015	0.0042	
3/18/2015	0.0046	
4/6/2015	0.0043	
4/23/2015	0.0047	
7/29/2015	0.0039	
3/4/2016	0.0219 (J)	
7/14/2016	0.0111	
3/21/2017	<0.01	
9/22/2017	0.0023 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	<0.01	
3/12/2019		0.0038 (J)
9/10/2019		0.0055 (J)
3/5/2020		0.0035 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	0.0035	
10/4/2014	0.0032	
10/21/2014	0.0028	
11/5/2014	0.004	
3/3/2015	0.004	
3/18/2015	0.0024 (J)	
4/7/2015	0.0055	
4/23/2015	0.0035	
7/29/2015	0.0062	
3/7/2016	0.0225 (J)	
7/13/2016	0.0031 (J)	
3/23/2017	<0.01	
9/25/2017	0.002 (J)	
3/14/2018	0.0036 (J)	
9/11/2018	<0.01	
3/12/2019		<0.01
9/9/2019		0.0063 (J)
3/6/2020		0.0045 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.002 (J)	
10/4/2014	0.001 (J)	
10/21/2014	0.00082 (J)	
11/11/2014	0.00076 (J)	
3/3/2015	<0.01	
3/18/2015	0.0016 (J)	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	0.0013 (J)	
3/20/2017	<0.01	
9/21/2017	0.0018 (J)	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.0046 (J)
3/5/2020		0.0024 (J)

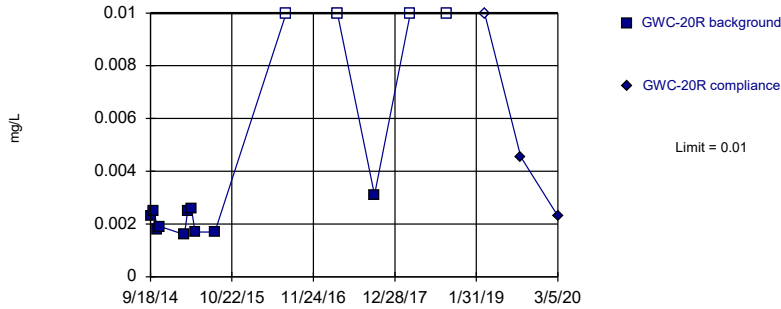
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.0026	
10/4/2014	0.0034	
10/21/2014	0.0037	
11/5/2014	0.0035	
3/3/2015	0.0036	
3/19/2015	0.0035	
4/7/2015	0.0039	
4/24/2015	0.0034	
7/29/2015	0.0038	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	0.0062 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/9/2019		0.0062 (J)
3/4/2020		0.0072 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

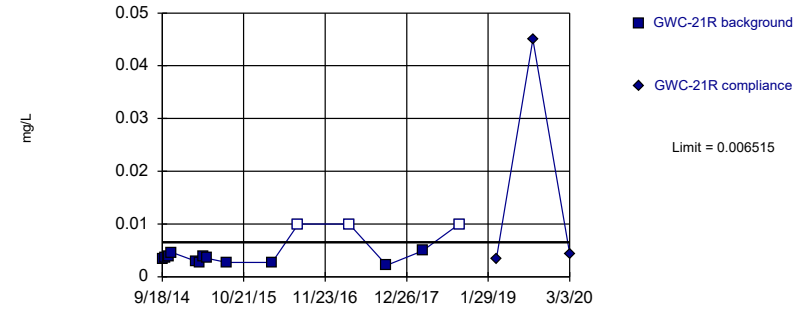


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

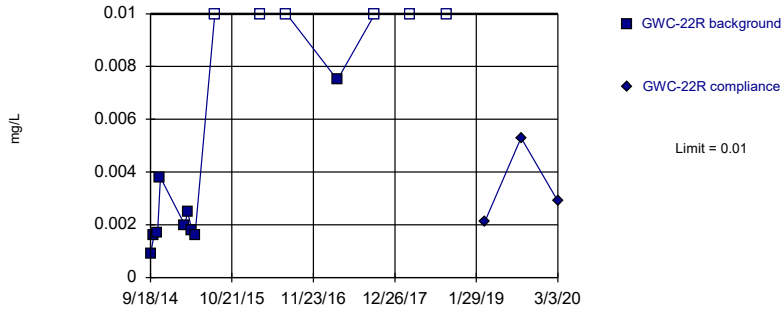


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.726, Std. Dev.=0.2492, n=15, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8434, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

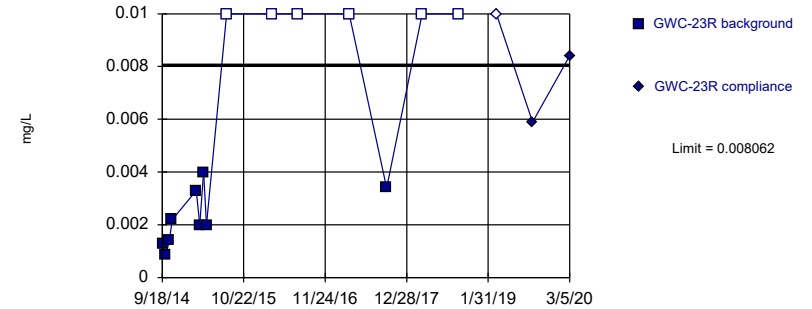


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.256, Std. Dev.=0.5164, n=15, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8588, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0023 (J)	
10/5/2014	0.0025	
10/22/2014	0.0018 (J)	
11/5/2014	0.0019 (J)	
3/4/2015	0.0016 (J)	
3/19/2015	0.0025	
4/7/2015	0.0026	
4/24/2015	0.0017 (J)	
7/30/2015	0.0017 (J)	
3/8/2016	0.557 (o)	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	0.0031 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.00455 (JD)
3/5/2020		0.0023 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0033	
10/5/2014	0.0036	
10/22/2014	0.0038	
11/5/2014	0.0046	
3/4/2015	0.0029	
3/19/2015	0.0027	
4/8/2015	0.0039	
4/24/2015	0.0035	
7/30/2015	0.0027	
3/8/2016	0.00273 (J)	
7/15/2016	<0.01	
3/21/2017	<0.01	
9/19/2017	0.0022 (J)	
3/14/2018	0.0049 (J)	
9/10/2018	<0.01	
3/11/2019		0.0034 (J)
9/6/2019		0.045
3/3/2020		0.0044 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.00089 (J)	
10/5/2014	0.0016 (J)	
10/22/2014	0.0017 (J)	
11/5/2014	0.0038	
3/4/2015	0.002 (J)	
3/19/2015	0.0025	
4/8/2015	0.0018 (J)	
4/24/2015	0.0016 (J)	
7/30/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	0.0075 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		0.0021 (J)
9/5/2019		0.0053 (J)
3/3/2020		0.0029 (J)

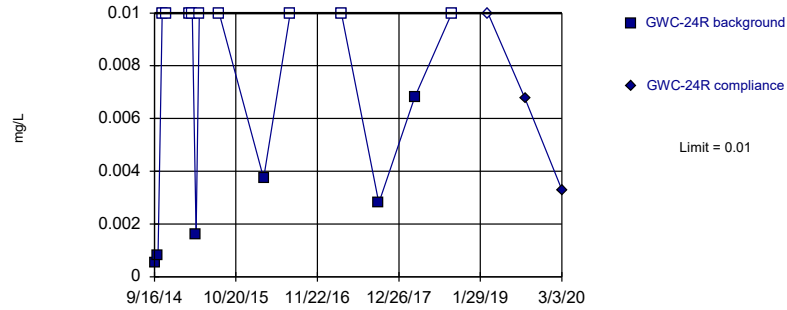
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0013 (J)	
10/5/2014	0.00085 (J)	
10/22/2014	0.0014 (J)	
11/5/2014	0.0022 (J)	
3/4/2015	0.0033	
3/20/2015	0.002 (J)	
4/8/2015	0.004	
4/23/2015	0.002 (J)	
7/30/2015	<0.01	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	0.0034 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.0059 (J)
3/5/2020		0.0084 (J)

Within Limit

Prediction Limit
 Intrawell Non-parametric

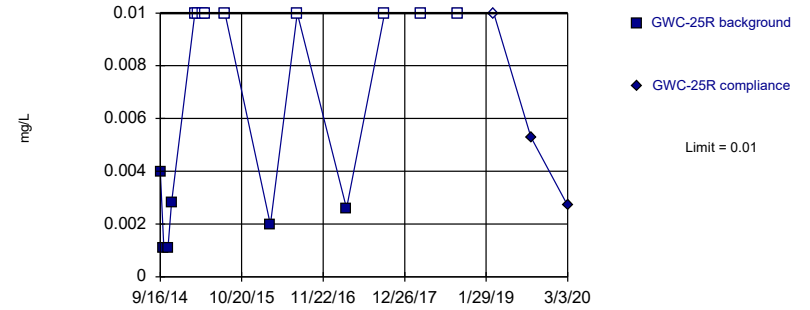


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 4/16/2020 10:16 AM View: Bedrock & Overburden
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.00054 (J)	
10/4/2014	0.0008 (J)	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0016 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	0.00374 (J)	
7/12/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	0.0028 (J)	
3/13/2018	0.0068 (J)	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.00675 (JD)
3/3/2020		0.0033 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/16/2020 10:20 AM View: Bedrock & Overburden
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.004	
10/4/2014	0.0011 (J)	
10/23/2014	0.0011 (J)	
11/10/2014	0.0028	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/9/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	0.00198 (J)	
7/18/2016	<0.01	
3/16/2017	0.0026 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.0053 (J)
3/3/2020		0.0027 (J)

FIGURE E.

Trend Tests Summary Table - State Parameters - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:27 AM

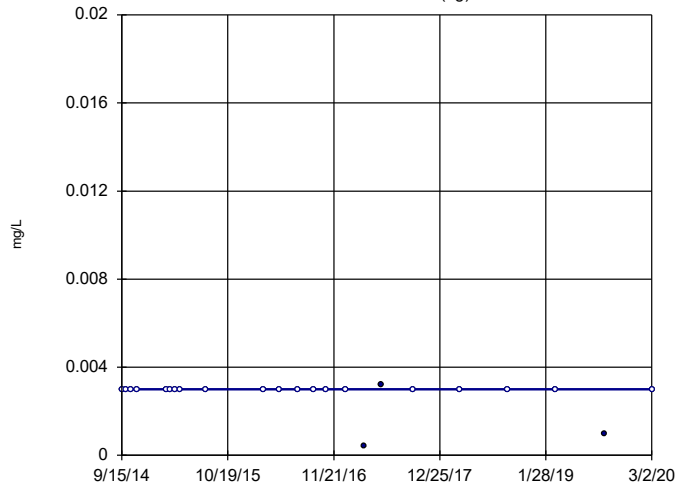
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-37 (bg)	-0.0006393	-120	-89	Yes	23	39.13	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-36 (bg)	0.002034	153	89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-38 (bg)	-0.0006432	-124	-84	Yes	22	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-52 (bg)	-0.004457	-146	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-53 (bg)	-0.003624	-180	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-55R (bg)	-0.006343	-125	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-56 (bg)	0.004061	157	89	Yes	23	4.348	n/a	n/a	0.02	NP

Trend Tests Summary Table - State Parameters - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 10:27 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-36 (bg)	0	-17	-89	No	23	86.96	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-36R (bg)	0	0	89	No	23	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-37 (bg)	-0.0006393	-120	-89	Yes	23	39.13	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-38 (bg)	0	0	89	No	23	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-51RZ (bg)	0	-39	-84	No	22	68.18	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-52 (bg)	0	0	89	No	23	100	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-53 (bg)	0	-53	-89	No	23	73.91	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-53R (bg)	0	-54	-89	No	23	52.17	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-54 (bg)	0	-41	-89	No	23	86.96	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-55 (bg)	0	4	89	No	23	95.65	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-55R (bg)	0	-26	-89	No	23	82.61	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-56 (bg)	0	-6	-89	No	23	95.65	n/a	n/a	0.02	NP
Antimony (mg/L)	GWC-16R	0.0001319	50	89	No	23	43.48	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-36 (bg)	0.002034	153	89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-36R (bg)	0.0005147	46	89	No	23	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-37 (bg)	-0.0004011	-55	-89	No	23	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-38 (bg)	-0.0006432	-124	-84	Yes	22	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-51RZ (bg)	0.002317	58	89	No	23	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-52 (bg)	-0.004457	-146	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-53 (bg)	-0.003624	-180	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-53R (bg)	0.0002544	83	89	No	23	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-54 (bg)	-0.001785	-51	-89	No	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-55 (bg)	-0.001184	-59	-89	No	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-55R (bg)	-0.006343	-125	-89	Yes	23	4.348	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-56 (bg)	0.004061	157	89	Yes	23	4.348	n/a	n/a	0.02	NP

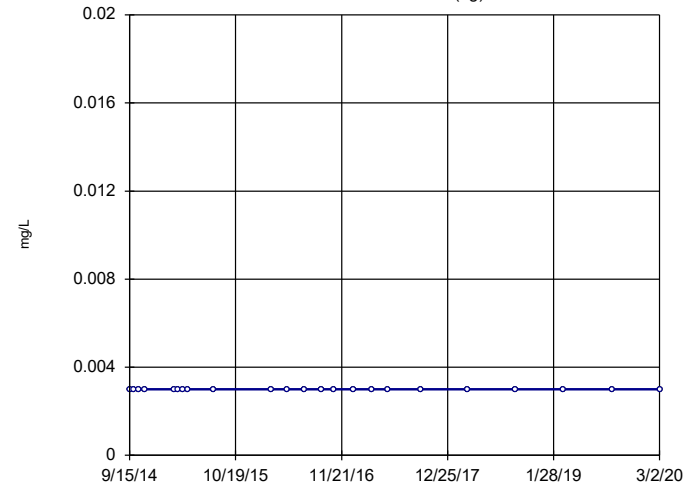
Sen's Slope Estimator
GWA-36 (bg)



n = 23
Slope = 0
units per year.
Mann-Kendall
statistic = -17
critical = -89
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

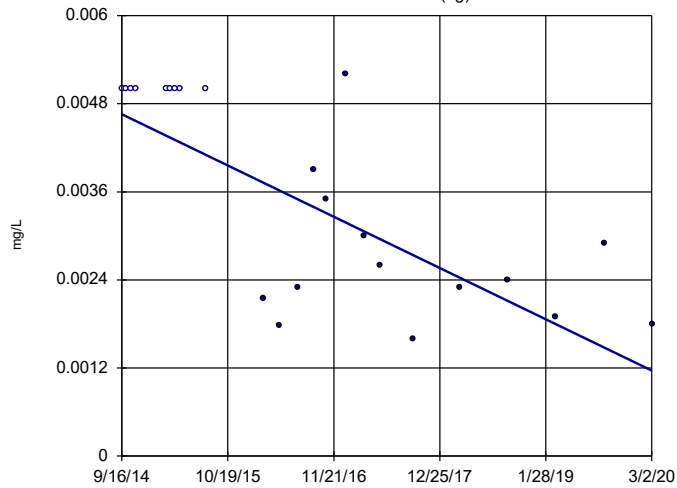
Sen's Slope Estimator
GWA-36R (bg)



n = 23
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 89
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

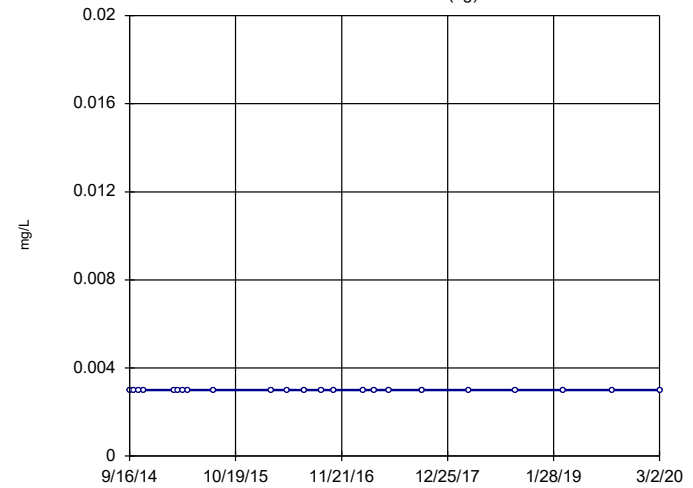
Sen's Slope Estimator
GWA-37 (bg)



n = 23
Slope = -0.0006393
units per year.
Mann-Kendall
statistic = -120
critical = -89
Decreasing trend
significant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

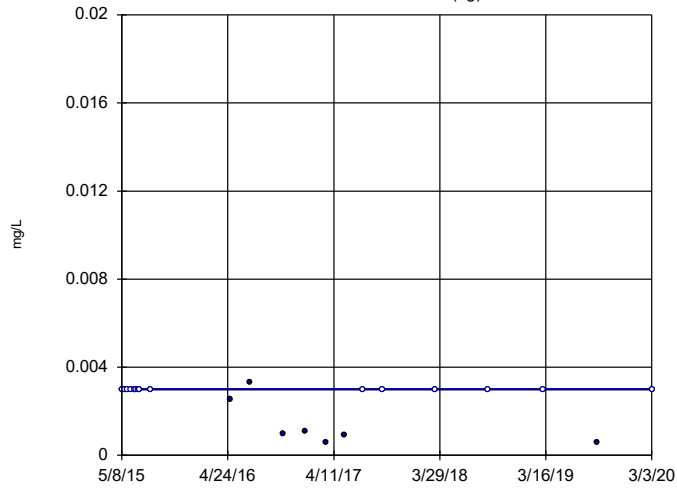
Sen's Slope Estimator
GWA-38 (bg)



n = 23
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 89
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

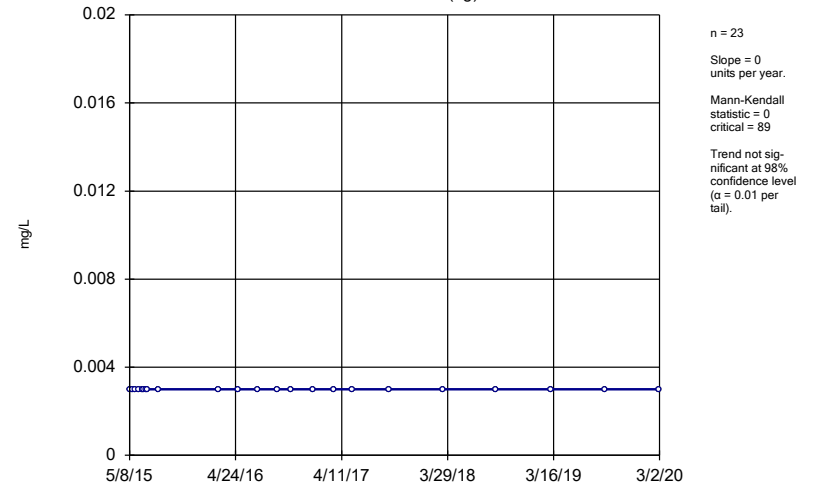
Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator GWA-51RZ (bg)



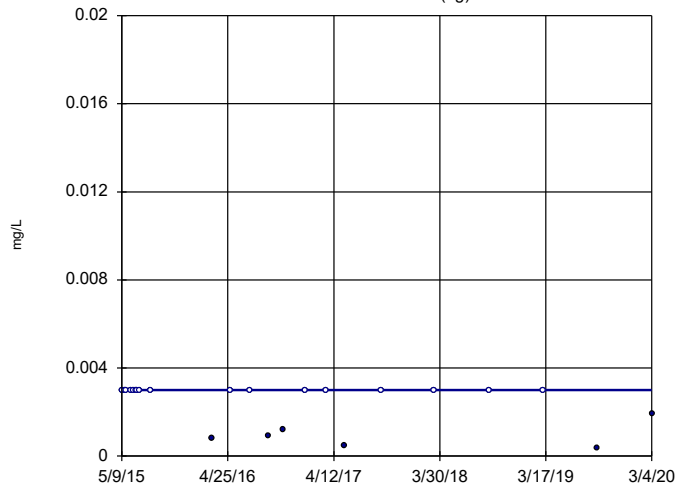
Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator GWA-52 (bg)



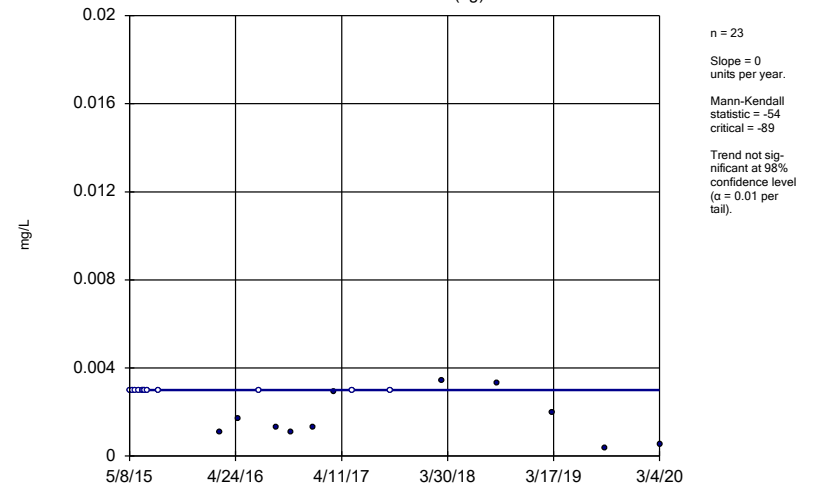
Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator GWA-53 (bg)



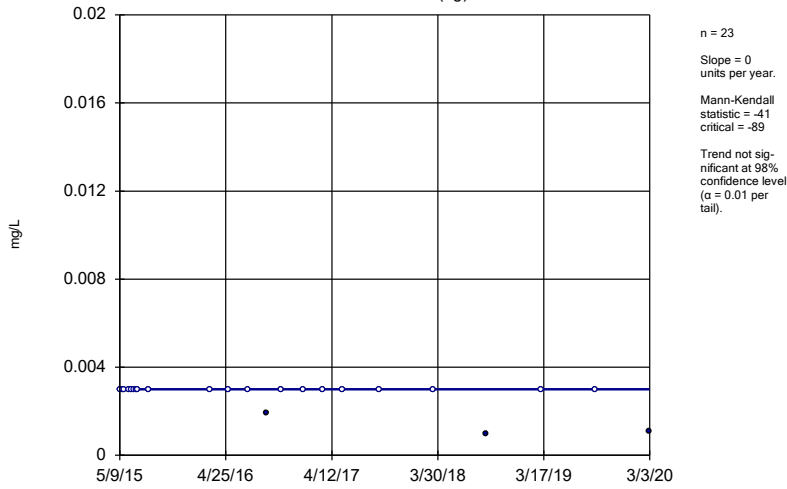
Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator GWA-53R (bg)



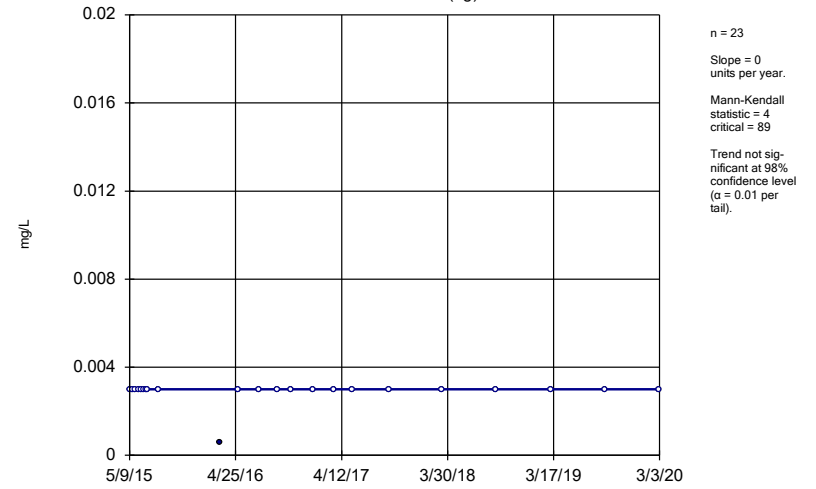
Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator GWA-54 (bg)



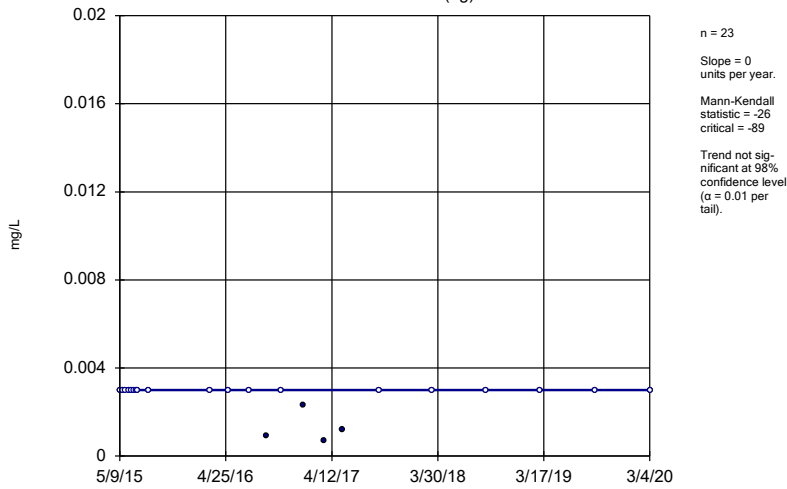
Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator GWA-55 (bg)



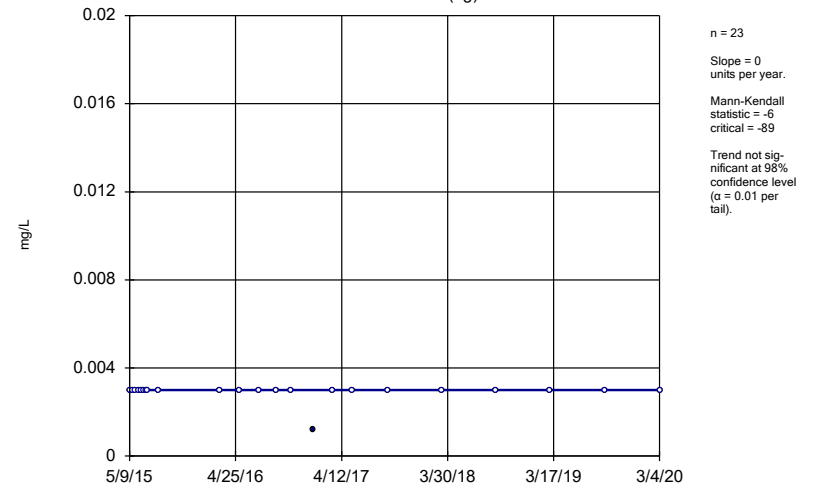
Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator GWA-55R (bg)



Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

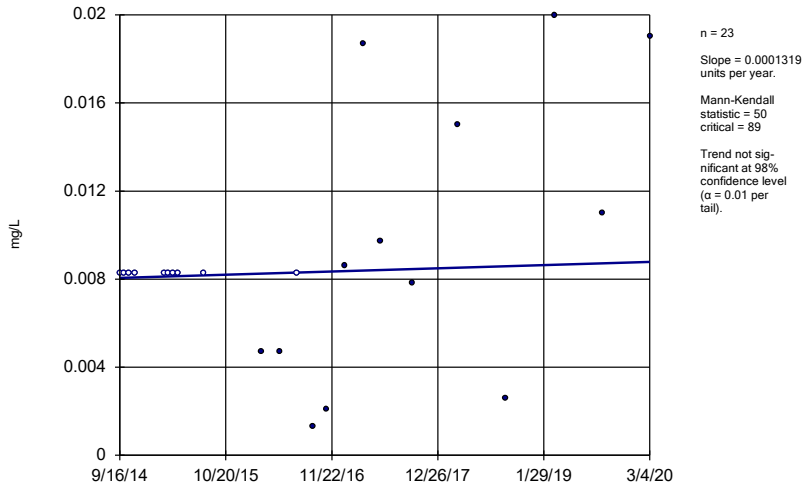
Sen's Slope Estimator GWA-56 (bg)



Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

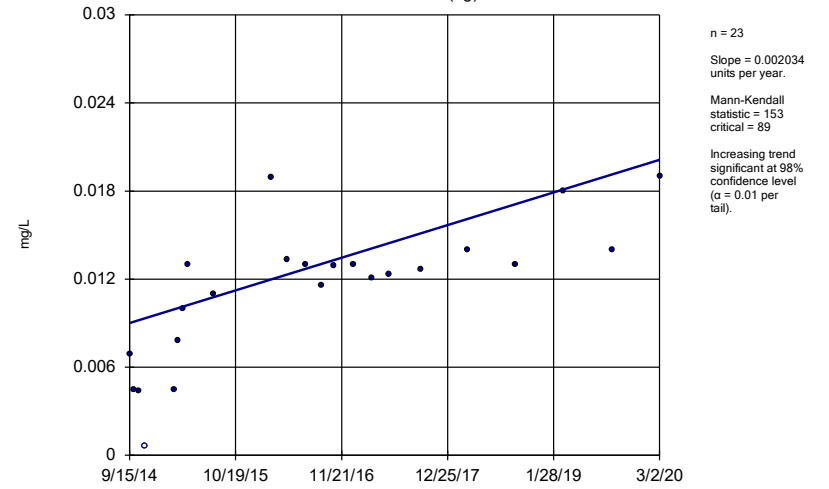
GWC-16R



Constituent: Antimony Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

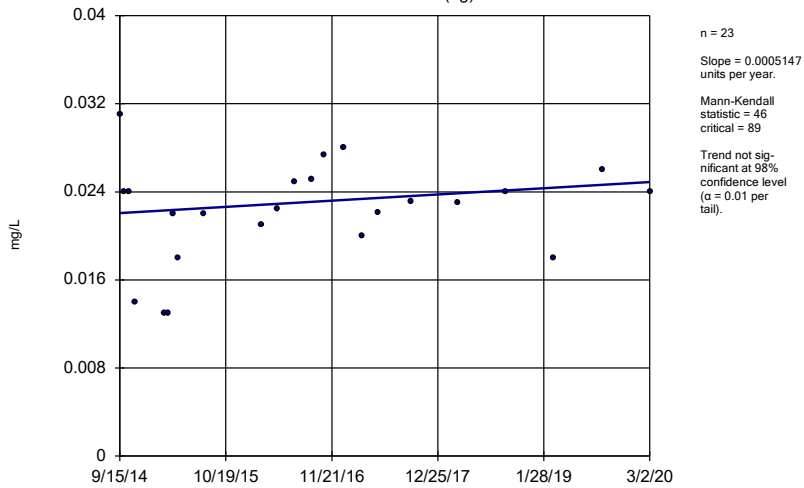
GWA-36 (bg)



Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

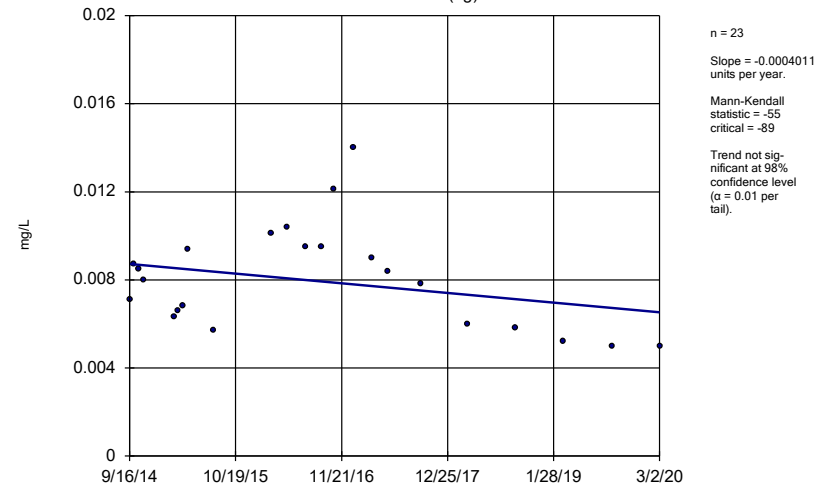
GWA-36R (bg)



Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

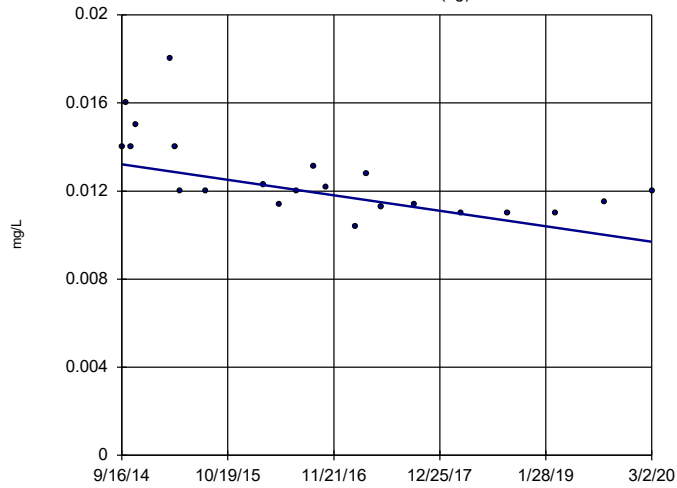
GWA-37 (bg)



Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-38 (bg)

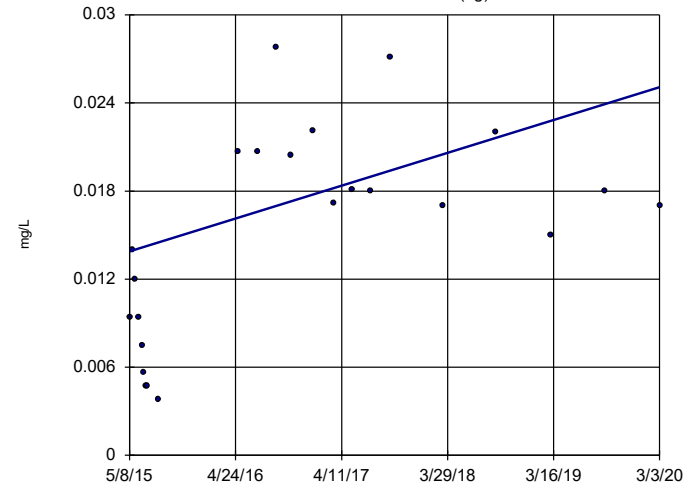


n = 22
 Slope = -0.0006432 units per year.
 Mann-Kendall statistic = -124
 critical = -84
 Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

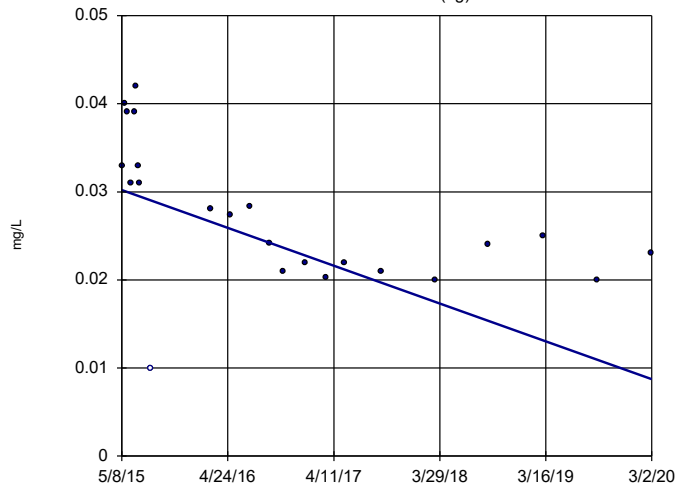


n = 23
 Slope = 0.002317 units per year.
 Mann-Kendall statistic = 58
 critical = 89
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-52 (bg)

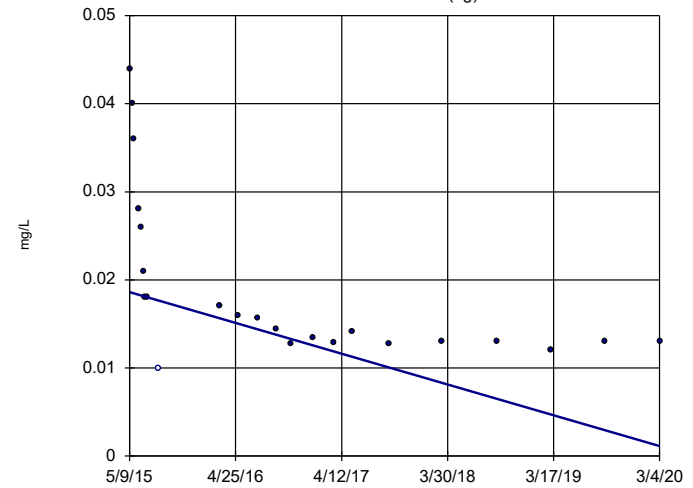


n = 23
 Slope = -0.004457 units per year.
 Mann-Kendall statistic = -146
 critical = -89
 Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-53 (bg)

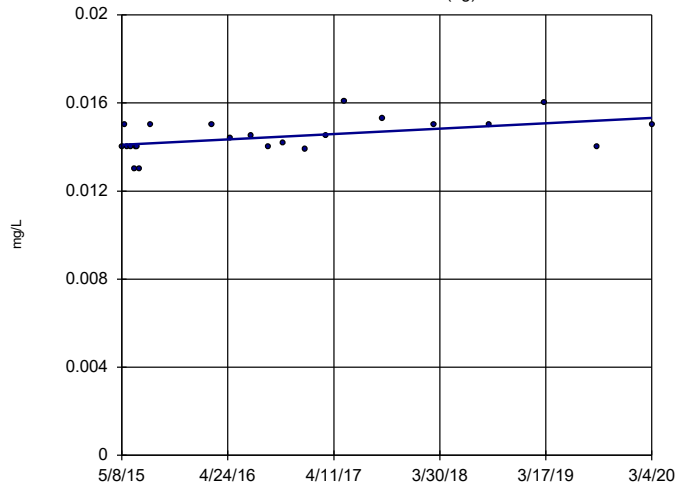


n = 23
 Slope = -0.003624 units per year.
 Mann-Kendall statistic = -180
 critical = -89
 Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-53R (bg)



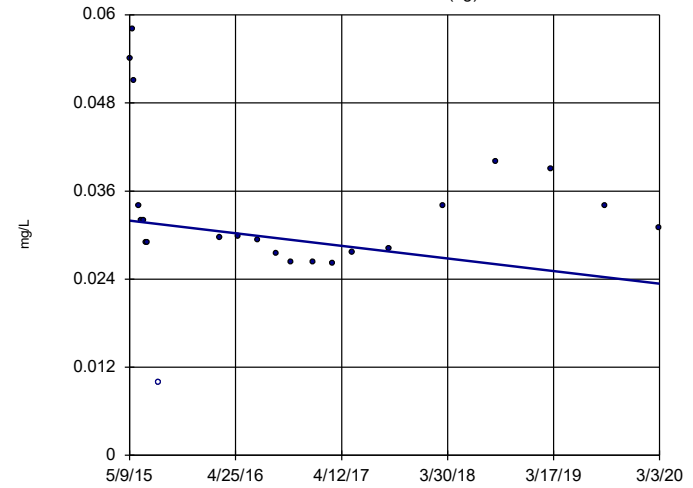
n = 23
 Slope = 0.0002544
 units per year.
 Mann-Kendall
 statistic = 83
 critical = 89
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-54 (bg)



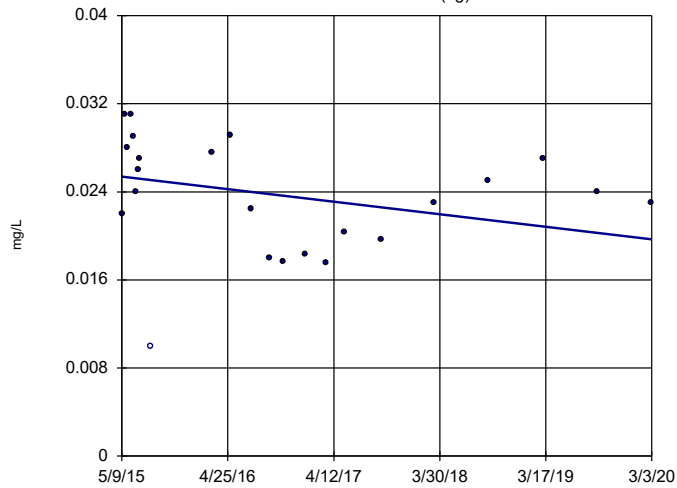
n = 23
 Slope = -0.001785
 units per year.
 Mann-Kendall
 statistic = -51
 critical = -89
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-55 (bg)



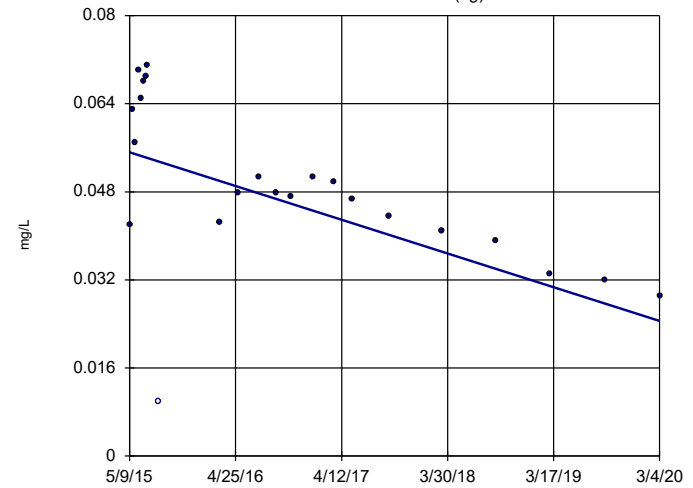
n = 23
 Slope = -0.001184
 units per year.
 Mann-Kendall
 statistic = -59
 critical = -89
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-55R (bg)

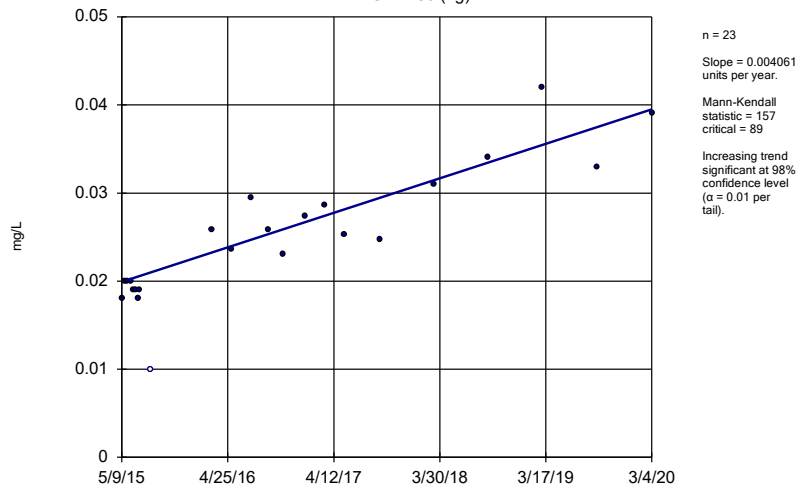


n = 23
 Slope = -0.006343
 units per year.
 Mann-Kendall
 statistic = -125
 critical = -89
 Decreasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Barium Analysis Run 4/16/2020 10:23 AM View: Bedrock & Overburden - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-56 (bg)



Constituent: Barium Analysis Run 4/16/2020 10:24 AM View: Bedrock & Overburden - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

FIGURE F.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Chloride (mg/L)	GWA-52	3.83	n/a	3/2/2020	4.9	Yes	13	2.279	0.5996	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-52	12.64	n/a	3/2/2020	16.3	Yes	13	6.378	2.42	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-21R	7.908	n/a	3/3/2020	11.3	Yes	13	3.733	1.614	7.692	None	0.0006839	Param 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Chloride (mg/L)	GWA-36	2.751	n/a	3/2/2020	2.1	No	13	2.195	0.2147	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-36R	3.698	n/a	3/2/2020	2.4	No	13	3.017	0.2633	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-37	1.522	n/a	3/2/2020	0.78	No	13	1.022	0.1933	7.692	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-38	3.142	n/a	3/2/2020	2.5	No	13	2.473	0.2586	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-51RZ	4.153	n/a	3/3/2020	2.6	No	13	3.179	0.3765	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-52	3.83	n/a	3/2/2020	4.9	Yes	13	2.279	0.5996	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-53	2.851	n/a	3/4/2020	2.2	No	13	2.48	0.1434	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-53R	3.327	n/a	3/4/2020	2.3	No	13	0.9493	0.09766	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-54	1.953	n/a	3/3/2020	0.77	No	13	1.201	0.2909	7.692	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-55	3.939	n/a	3/3/2020	2.7	No	13	3.137	0.3098	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-55R	3.604	n/a	3/4/2020	2.6	No	13	2.938	0.2574	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWA-56	10.33	n/a	3/4/2020	4.5	No	13	6.322	1.55	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-16R	2.959	n/a	3/4/2020	0.79	No	13	1.914	0.4039	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-17R	7.985	n/a	3/5/2020	4.5	No	13	6.269	0.6635	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-18	2.764	n/a	3/6/2020	2.2	No	13	2.171	0.2291	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-18R	3.3	n/a	3/5/2020	2.2	No	13	n/a	n/a	0	n/a	0.009692	NP (normality) 1 of 2	
Chloride (mg/L)	GWC-19R	3.064	n/a	3/4/2020	2.3	No	13	2.447	0.2387	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-20R	2.711	n/a	3/5/2020	1.5	No	13	1.797	0.3534	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-21R	5.133	n/a	3/3/2020	3.9	No	13	4.046	0.42	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-22R	3.3	n/a	3/3/2020	2.5	No	13	n/a	n/a	0	n/a	0.009692	NP (normality) 1 of 2	
Chloride (mg/L)	GWC-23R	2.938	n/a	3/5/2020	1.3	No	13	2.051	0.3427	0	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-24R	3.423	n/a	3/3/2020	2.1	No	13	6.078	2.178	7.692	None	0.0006839	Param 1 of 2	
Chloride (mg/L)	GWC-25R	3.206	n/a	3/3/2020	2.4	No	13	2.661	0.2106	0	None	0.0006839	Param 1 of 2	
pH (pH units)	GWA-36	7.43	6.39	3/2/2020	6.58	No	13	6.91	0.2008	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-36R	7.61	7.078	3/2/2020	7.24	No	13	7.344	0.1029	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-37	6.403	4.874	3/2/2020	5.52	No	13	5.638	0.2954	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-38	6.226	4.732	3/2/2020	5.49	No	13	5.479	0.2887	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-51RZ	7.749	7.257	3/3/2020	7.73	No	14	7.503	0.09723	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-52	7.772	7.234	3/2/2020	7.44	No	13	7.503	0.104	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-53	7.944	7.476	3/4/2020	7.63	No	13	7.71	0.09055	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-53R	7.946	7.603	3/4/2020	7.72	No	13	7.775	0.06628	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-54	7.939	7.275	3/3/2020	7.59	No	13	7.607	0.1283	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-55	7.85	6.813	3/3/2020	6.95	No	13	7.332	0.2005	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-55R	8.134	7.032	3/4/2020	7.27	No	13	7.583	0.2129	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWA-56	8.435	7.551	3/4/2020	7.95	No	14	7.993	0.1746	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-16R	7.505	6.817	3/4/2020	7.37	No	13	7.161	0.1329	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-17R	7.311	7.071	3/5/2020	7.3	No	13	7.191	0.04645	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-18	7.616	5.885	3/6/2020	7.01	No	13	6.751	0.3346	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-18R	8.062	7.418	3/5/2020	7.77	No	13	7.74	0.1244	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-19R	7.885	7.519	3/4/2020	7.65	No	13	7.702	0.07073	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-20R	7.945	7.323	3/5/2020	7.6	No	14	7.634	0.1228	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-21R	7.342	6.761	3/3/2020	7.1	No	13	7.052	0.1123	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-22R	8.056	7.094	3/3/2020	7.15	No	14	7.575	0.19	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-23R	7.832	6.951	3/5/2020	7.24	No	13	7.392	0.1702	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-24R	8.014	6.761	3/3/2020	7.55	No	13	7.388	0.2421	0	None	0.000342	Param 1 of 2	
pH (pH units)	GWC-25R	7.874	7.241	3/3/2020	7.56	No	13	7.558	0.1224	0	None	0.000342	Param 1 of 2	
Sulfate (mg/L)	GWA-36	2.854	n/a	3/2/2020	0.5ND	No	13	1.316	0.5945	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-36R	9.874	n/a	3/2/2020	7.9	No	13	1.713	0.5527	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-37	1.16	n/a	3/2/2020	0.5ND	No	13	0.661	0.1927	7.692	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-38	2.958	n/a	3/2/2020	0.5	No	13	1.285	0.6468	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-51RZ	32.12	n/a	3/3/2020	21.5	No	13	20.19	4.61	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-52	12.64	n/a	3/2/2020	16.3	Yes	13	6.378	2.42	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-53	2.285	n/a	3/4/2020	1.5	No	13	1.903	0.1477	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-53R	2.388	n/a	3/4/2020	1.7	No	13	1.939	0.1737	0	None	0.0006839	Param 1 of 2	
Sulfate (mg/L)	GWA-54	9.872	n/a	3/3/2020	1.7	No	13	5.531	1.678	0	None	0.0006839	Param 1 of 2	

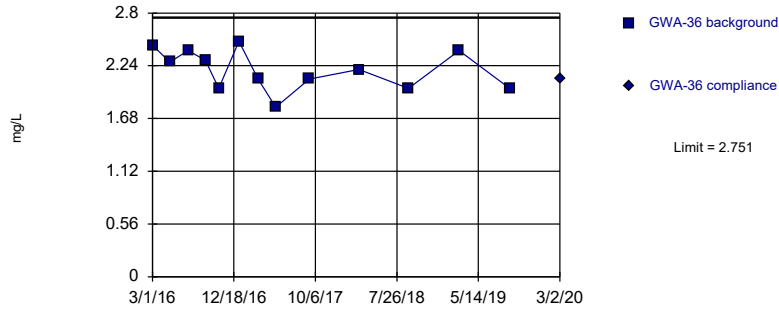
Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/16/2020, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Sulfate (mg/L)	GWA-55	48.37	n/a	3/3/2020	29	No	13	19.75	11.06	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-55R	29.73	n/a	3/4/2020	23.4	No	13	19.94	3.786	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWA-56	149.4	n/a	3/4/2020	69.4	No	13	84.7	25.01	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-16R	13.9	n/a	3/4/2020	8.4	No	13	7.229	2.577	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-17R	9.253	n/a	3/5/2020	7.7	No	12	1.876	0.1321	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-18	2.59	n/a	3/6/2020	2	No	13	2.009	0.2247	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-18R	2.805	n/a	3/5/2020	1.9	No	12	2.362	0.1675	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	3/4/2020	3.6	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.97	n/a	3/5/2020	1.1	No	13	1.943	0.7494	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-21R	7.908	n/a	3/3/2020	11.3	Yes	13	3.733	1.614	7.692	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-22R	2.79	n/a	3/3/2020	1.7	No	12	2.172	0.2339	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-23R	26.49	n/a	3/5/2020	10.8	No	13	13.96	4.844	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-24R	16.95	n/a	3/3/2020	2	No	13	1.955	0.8353	0	0	None	0.0006839	Param 1 of 2
Sulfate (mg/L)	GWC-25R	2.06	n/a	3/3/2020	1.6	No	13	1.614	0.1727	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-36	155.2	n/a	3/2/2020	65	No	13	96.92	22.54	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-36R	235.5	n/a	3/2/2020	170	No	13	153.8	31.56	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	81.94	n/a	3/2/2020	5ND	No	12	4.428	1.75	33.33	Kaplan-Meier	0.0006839	Param 1 of 2	
Total Dissolved Solids (mg/l)	GWA-38	119.7	n/a	3/2/2020	32	No	13	6.448	1.736	38.46	Kaplan-Meier	0.0006839	Param 1 of 2	
Total Dissolved Solids (mg/l)	GWA-51RZ	343.9	n/a	3/3/2020	211	No	13	216.5	49.22	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-52	179.8	n/a	3/2/2020	142	No	12	141.4	14.53	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-53	174.6	n/a	3/4/2020	146	No	13	130.5	17.04	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-53R	193.3	n/a	3/4/2020	157	No	12	134.6	22.2	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-54	181.6	n/a	3/3/2020	91	No	13	125.2	21.8	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-55	277	n/a	3/3/2020	210	No	13	192.6	32.62	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-55R	247.1	n/a	3/4/2020	207	No	13	176.1	27.46	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWA-56	498.4	n/a	3/4/2020	325	No	13	328.7	65.59	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	365	n/a	3/4/2020	326	No	13	290.5	28.8	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	384.7	n/a	3/5/2020	307	No	13	330.2	21.04	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	161.2	n/a	3/6/2020	109	No	13	93.77	26.05	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	191.3	n/a	3/5/2020	143	No	13	142.6	18.81	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	229.2	n/a	3/4/2020	157	No	13	168.6	23.42	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.6	n/a	3/5/2020	171	No	13	195.7	15.04	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	435.3	n/a	3/3/2020	292	No	13	286.9	57.36	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	199.8	n/a	3/3/2020	181	No	13	163.1	14.18	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	374.2	n/a	3/5/2020	265	No	13	294.5	30.84	0	0	None	0.0006839	Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	3/3/2020	146	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	194.6	n/a	3/3/2020	183	No	13	23678	5490	0	0	None	0.0006839	Param 1 of 2

Within Limit

Prediction Limit
Intrawell Parametric

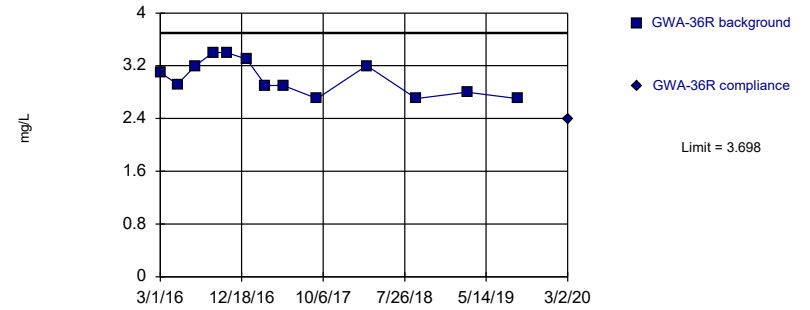


Background Data Summary: Mean=2.195, Std. Dev.=0.2147, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.948, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

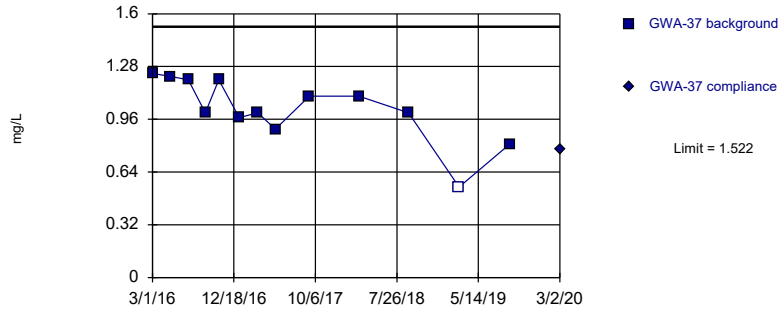


Background Data Summary: Mean=3.017, Std. Dev.=0.2633, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8981, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

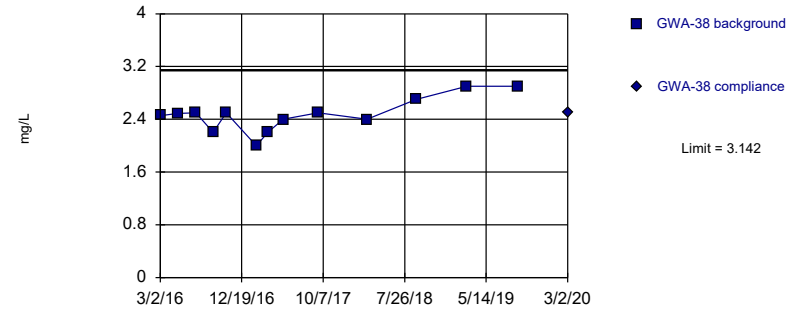


Background Data Summary: Mean=1.022, Std. Dev.=0.1933, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.473, Std. Dev.=0.2586, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9349, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
3/1/2016	2.4587	
5/2/2016	2.28	
7/7/2016	2.4	
9/7/2016	2.3	
10/25/2016	2	
1/5/2017	2.5 (J)	
3/15/2017	2.1	
5/17/2017	1.8	
9/15/2017	2.1	
3/12/2018	2.2	
9/6/2018	2	
3/6/2019	2.4	
9/4/2019	2	
3/2/2020		2.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
3/1/2016	3.096	
5/2/2016	2.92	
7/6/2016	3.2	
9/7/2016	3.4	
10/25/2016	3.4	
1/5/2017	3.3	
3/14/2017	2.9	
5/16/2017	2.9	
9/15/2017	2.7	
3/12/2018	3.2	
9/6/2018	2.7	
3/7/2019	2.8	
9/4/2019	2.7	
3/2/2020		2.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
3/1/2016	1.2389	
5/3/2016	1.22	
7/8/2016	1.2	
9/7/2016	1	
10/25/2016	1.2	
1/6/2017	0.97	
3/14/2017	1	
5/16/2017	0.9	
9/15/2017	1.1	
3/12/2018	1.1	
9/6/2018	1	
3/6/2019	<1.1	
9/4/2019	0.81 (J)	
3/2/2020		0.78 (J)

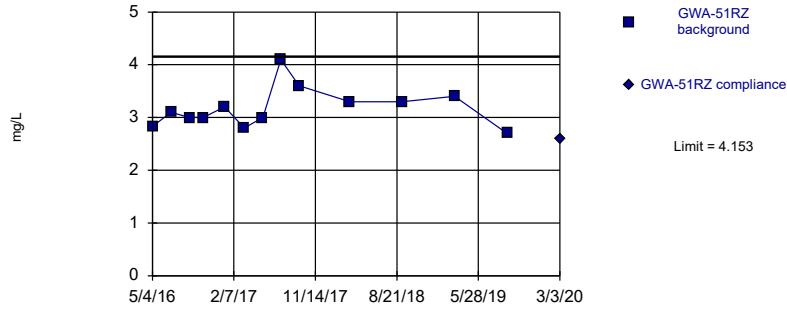
Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
3/2/2016	2.4559	
5/3/2016	2.49	
7/7/2016	2.5	
9/8/2016	2.2	
10/25/2016	2.5	
2/9/2017	2	
3/23/2017	2.2	
5/17/2017	2.4	
9/19/2017	2.5	
3/13/2018	2.4	
9/6/2018	2.7	
3/7/2019	2.9	
9/4/2019	2.9	
3/2/2020		2.5

Within Limit

Prediction Limit
Intrawell Parametric

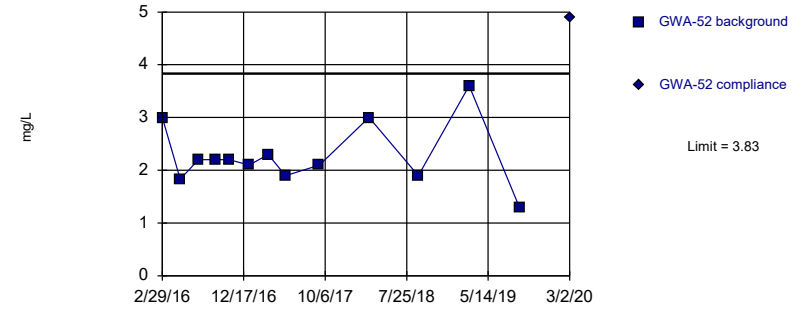


Background Data Summary: Mean=3.179, Std. Dev.=0.3765, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9165, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

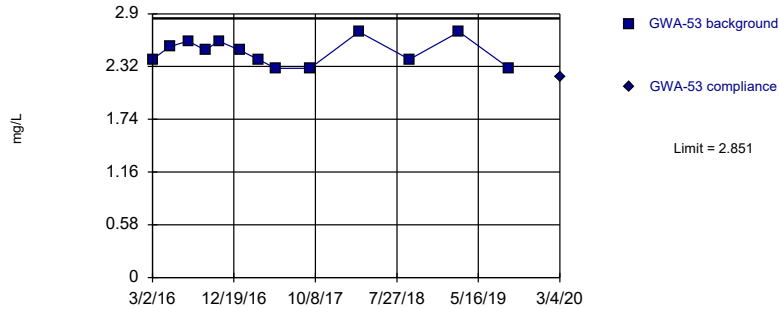


Background Data Summary: Mean=2.279, Std. Dev.=0.5996, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9009, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

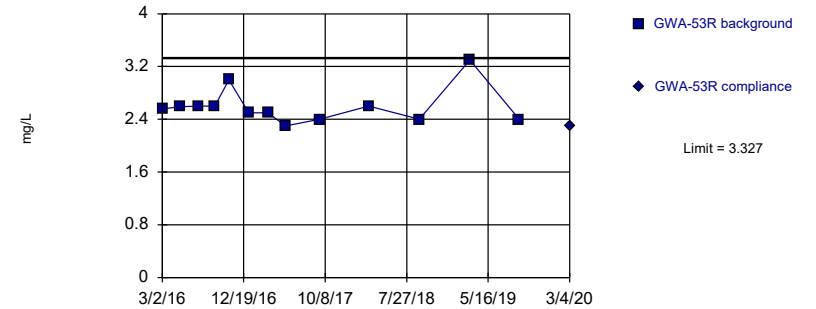


Background Data Summary: Mean=2.48, Std. Dev.=0.1434, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9144, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=0.9493, Std. Dev.=0.09766, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8227, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/4/2016	2.83 (D)	
7/7/2016	3.1 (D)	
9/8/2016	3 (D)	
10/26/2016	3 (D)	
1/6/2017	3.2 (D)	
3/15/2017	2.8 (D)	
5/18/2017	3 (D)	
7/19/2017	4.1 (D)	
9/19/2017	3.6 (D)	
3/13/2018	3.3	
9/7/2018	3.3	
3/8/2019	3.4	
9/4/2019	2.7	
3/3/2020		2.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
2/29/2016	2.9988	
5/4/2016	1.83	
7/8/2016	2.2	
9/8/2016	2.2	
10/26/2016	2.2	
1/6/2017	2.1	
3/15/2017	2.3	
5/17/2017	1.9	
9/15/2017	2.1	
3/13/2018	3	
9/6/2018	1.9	
3/7/2019	3.6	
9/4/2019	1.3	
3/2/2020		4.9

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
3/2/2016	2.3976	
5/3/2016	2.54	
7/8/2016	2.6	
9/8/2016	2.5	
10/26/2016	2.6	
1/9/2017	2.5	
3/16/2017	2.4	
5/19/2017	2.3	
9/19/2017	2.3	
3/13/2018	2.7	
9/11/2018	2.4	
3/8/2019	2.7	
9/5/2019	2.3	
3/4/2020		2.2

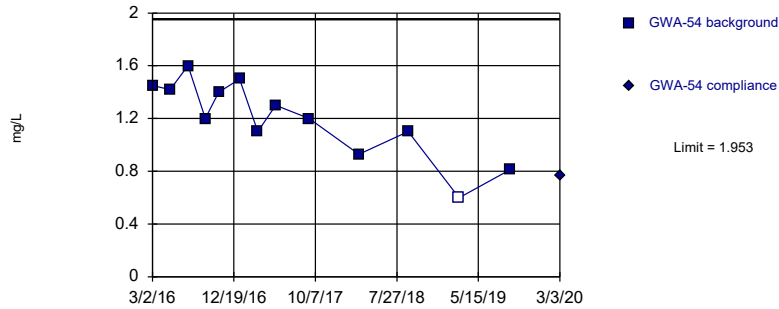
Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
3/2/2016	2.556	
5/3/2016	2.59	
7/11/2016	2.6	
9/7/2016	2.6	
10/27/2016	3	
1/6/2017	2.5	
3/16/2017	2.5	
5/19/2017	2.3	
9/19/2017	2.4	
3/13/2018	2.6	
9/11/2018	2.4	
3/12/2019	3.3	
9/5/2019	2.4	
3/4/2020		2.3

Within Limit

Prediction Limit
 Intrawell Parametric

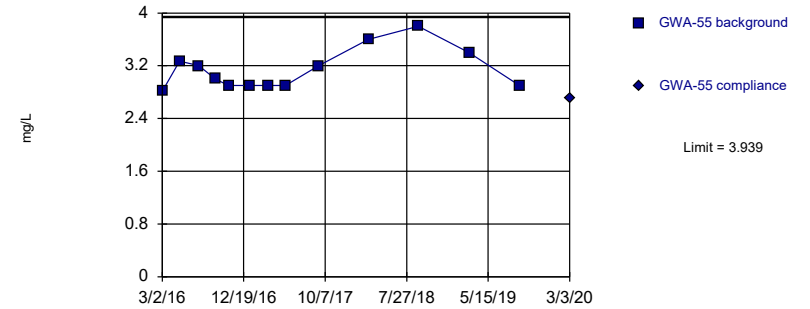


Background Data Summary: Mean=1.201, Std. Dev.=0.2909, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

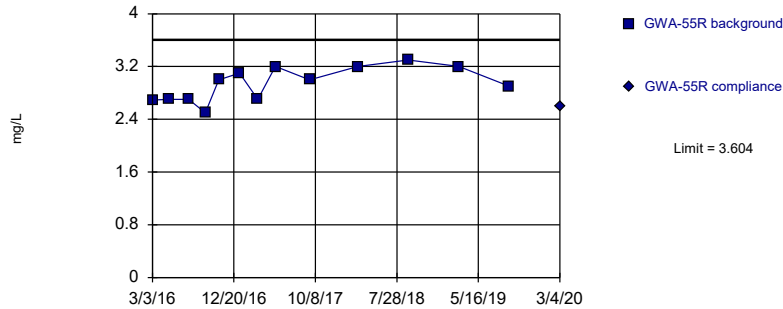


Background Data Summary: Mean=3.137, Std. Dev.=0.3098, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8568, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

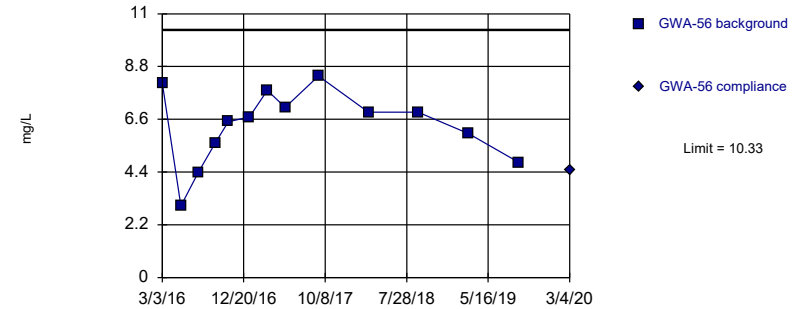


Background Data Summary: Mean=2.938, Std. Dev.=0.2574, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=6.322, Std. Dev.=1.55, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
3/2/2016	1.4496	
5/4/2016	1.42	
7/8/2016	1.6	
9/8/2016	1.2	
10/26/2016	1.4	
1/9/2017	1.5	
3/15/2017	1.1	
5/18/2017	1.3	
9/15/2017	1.2	
3/13/2018	0.93	
9/6/2018	1.1	
3/7/2019	<1.2	
9/5/2019	0.81 (J)	
3/3/2020		0.77 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
3/2/2016	2.815	
5/3/2016	3.27	
7/11/2016	3.2	
9/9/2016	3	
10/26/2016	2.9	
1/9/2017	2.9	
3/16/2017	2.9	
5/18/2017	2.9	
9/15/2017	3.2	
3/12/2018	3.6	
9/7/2018	3.8	
3/8/2019	3.4	
9/5/2019	2.9	
3/3/2020		2.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
3/3/2016	2.6912	
5/3/2016	2.7	
7/11/2016	2.7	
9/9/2016	2.5	
10/27/2016	3	
1/9/2017	3.1	
3/16/2017	2.7	
5/18/2017	3.2	
9/18/2017	3	
3/12/2018	3.2	
9/7/2018	3.3	
3/7/2019	3.2	
9/5/2019	2.9	
3/4/2020		2.6

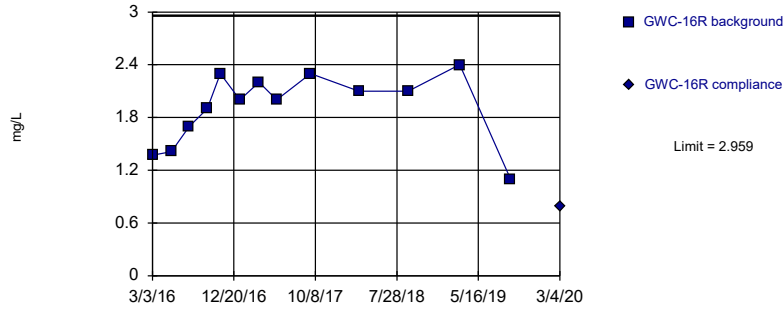
Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
3/3/2016	8.0925	
5/9/2016	2.99	
7/11/2016	4.4	
9/9/2016	5.6	
10/26/2016	6.5	
1/9/2017	6.7	
3/15/2017	7.8	
5/18/2017	7.1	
9/15/2017	8.4	
3/13/2018	6.9	
9/7/2018	6.9	
3/7/2019	6	
9/4/2019	4.8	
3/4/2020		4.5

Within Limit

Prediction Limit
Intrawell Parametric

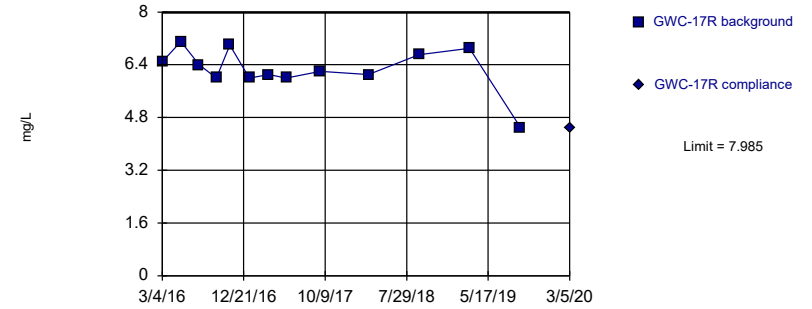


Background Data Summary: Mean=1.914, Std. Dev.=0.4039, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9077, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

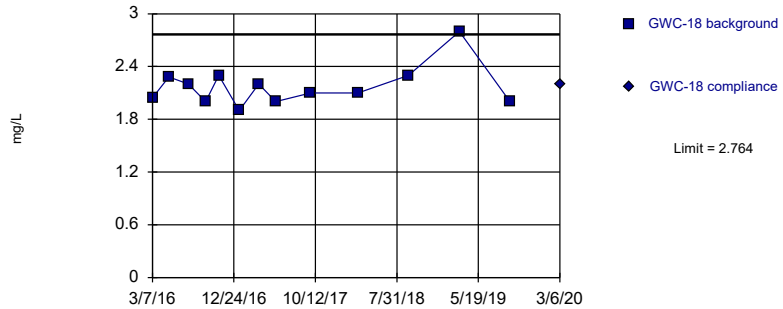


Background Data Summary: Mean=6.269, Std. Dev.=0.6635, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8519, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

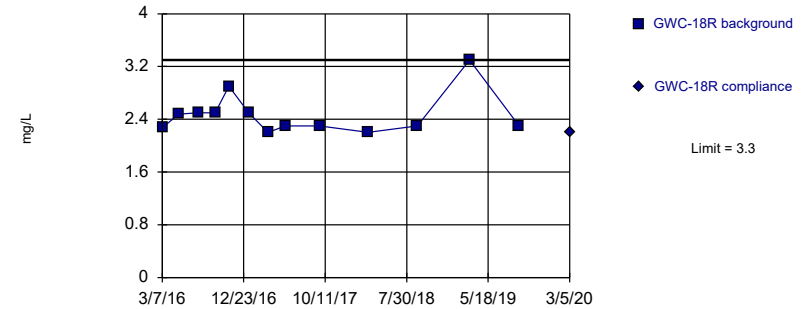


Background Data Summary: Mean=2.171, Std. Dev.=0.2291, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.834, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
3/3/2016	1.3707 (D)	
5/10/2016	1.41	
7/13/2016	1.7	
9/15/2016	1.9	
11/2/2016	2.3	
1/11/2017	2	
3/20/2017	2.2	
5/23/2017	2	
9/21/2017	2.3	
3/14/2018	2.1	
9/7/2018	2.1	
3/11/2019	2.4	
9/9/2019	1.1	
3/4/2020		0.79 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
3/4/2016	6.4905	
5/10/2016	7.1	
7/14/2016	6.4	
9/14/2016	6	
11/1/2016	7	
1/11/2017	6	
3/21/2017	6.1	
5/23/2017	6	
9/22/2017	6.2	
3/14/2018	6.1	
9/11/2018	6.7	
3/12/2019	6.9	
9/10/2019	4.5	
3/5/2020		4.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
3/7/2016	2.0446	
5/5/2016	2.28	
7/13/2016	2.2	
9/13/2016	2	
10/31/2016	2.3	
1/12/2017	1.9	
3/23/2017	2.2	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.1	
9/11/2018	2.3	
3/12/2019	2.8	
9/9/2019	2	
3/6/2020		2.2

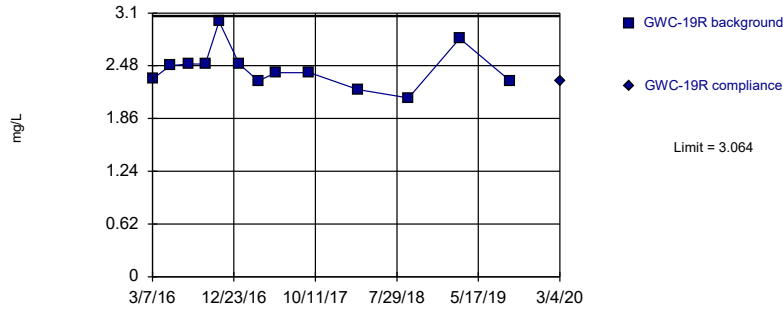
Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.2698	
5/5/2016	2.48	
7/13/2016	2.5	
9/12/2016	2.5	
11/1/2016	2.9	
1/11/2017	2.5	
3/20/2017	2.2	
5/22/2017	2.3	
9/21/2017	2.3	
3/14/2018	2.2	
9/7/2018	2.3	
3/12/2019	3.3	
9/6/2019	2.3	
3/5/2020		2.2

Within Limit

Prediction Limit
Intrawell Parametric

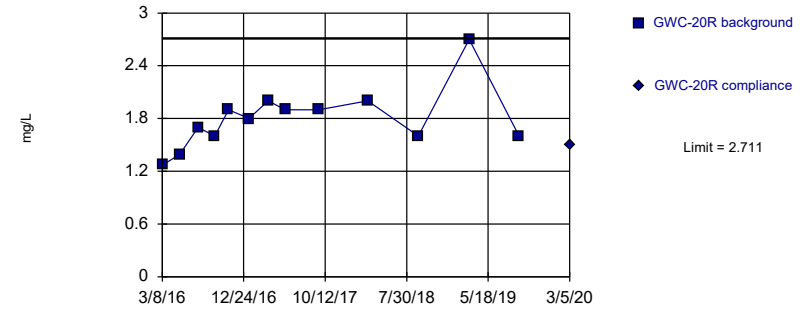


Background Data Summary: Mean=2.447, Std. Dev.=0.2387, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9074, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

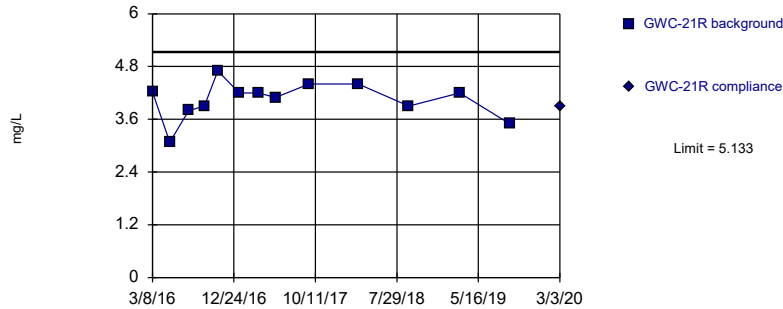


Background Data Summary: Mean=1.797, Std. Dev.=0.3534, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8987, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

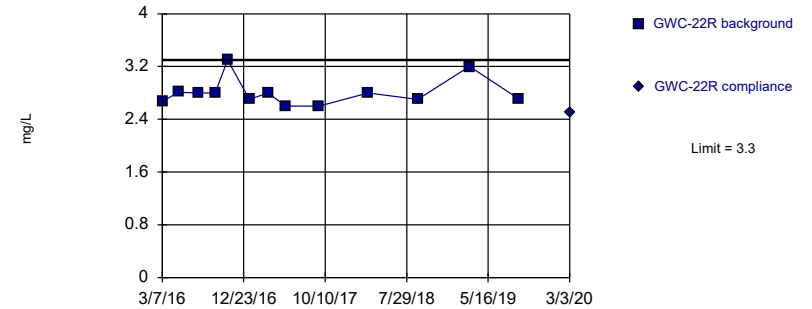


Background Data Summary: Mean=4.046, Std. Dev.=0.42, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9324, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
3/7/2016	2.3254	
5/9/2016	2.48	
7/14/2016	2.5	
9/12/2016	2.5	
10/31/2016	3	
1/11/2017	2.5	
3/21/2017	2.3	
5/22/2017	2.4	
9/20/2017	2.4	
3/14/2018	2.2	
9/10/2018	2.1	
3/12/2019	2.8	
9/9/2019	2.3	
3/4/2020		2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
3/8/2016	1.2699	
5/9/2016	1.39	
7/14/2016	1.7	
9/12/2016	1.6	
10/31/2016	1.9	
1/12/2017	1.8	
3/22/2017	2	
5/22/2017	1.9	
9/19/2017	1.9	
3/14/2018	2	
9/10/2018	1.6	
3/12/2019	2.7	
9/6/2019	1.6 (D)	
3/5/2020		1.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
3/8/2016	4.2184	
5/9/2016	3.08	
7/15/2016	3.8	
9/9/2016	3.9	
10/27/2016	4.7	
1/12/2017	4.2	
3/21/2017	4.2	
5/23/2017	4.1	
9/19/2017	4.4	
3/14/2018	4.4	
9/10/2018	3.9	
3/11/2019	4.2	
9/6/2019	3.5	
3/3/2020		3.9

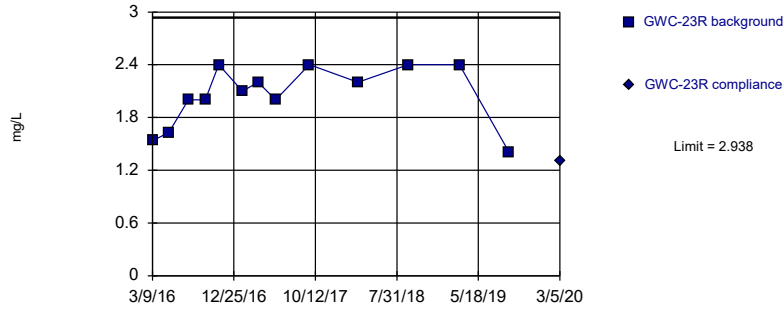
Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.6729	
5/5/2016	2.81	
7/14/2016	2.8	
9/12/2016	2.8	
10/27/2016	3.3	
1/13/2017	2.7	
3/20/2017	2.8	
5/23/2017	2.6	
9/19/2017	2.6	
3/13/2018	2.8	
9/7/2018	2.7	
3/11/2019	3.2	
9/5/2019	2.7	
3/3/2020		2.5

Within Limit

Prediction Limit
Intrawell Parametric

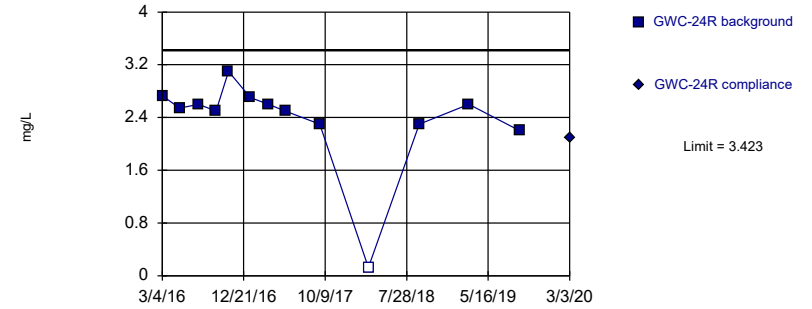


Background Data Summary: Mean=2.051, Std. Dev.=0.3427, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8748, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

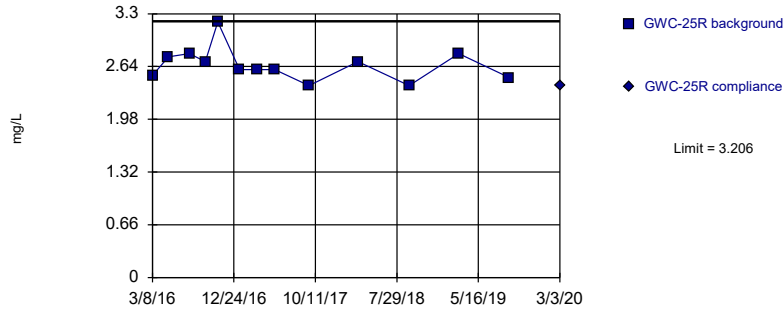


Background Data Summary (based on square transformation): Mean=6.078, Std. Dev.=2.178, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8182, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

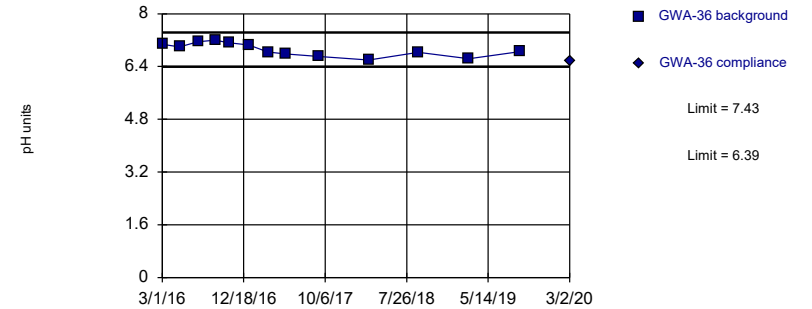


Background Data Summary: Mean=2.661, Std. Dev.=0.2106, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8934, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=6.91, Std. Dev.=0.2008, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
3/9/2016	1.5349	
5/6/2016	1.63	
7/15/2016	2	
9/14/2016	2	
11/1/2016	2.4	
1/25/2017	2.1	
3/22/2017	2.2	
5/24/2017	2	
9/21/2017	2.4	
3/14/2018	2.2	
9/11/2018	2.4	
3/12/2019	2.4	
9/6/2019	1.4	
3/5/2020		1.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
3/4/2016	2.7291	
5/5/2016	2.54	
7/12/2016	2.6	
9/13/2016	2.5	
10/27/2016	3.1	
1/13/2017	2.7	
3/20/2017	2.6	
5/19/2017	2.5	
9/19/2017	2.3	
3/13/2018	<0.25	
9/11/2018	2.3	
3/8/2019	2.6	
9/5/2019	2.2	
3/3/2020		2.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
3/8/2016	2.5307	
5/4/2016	2.76	
7/18/2016	2.8	
9/13/2016	2.7	
10/27/2016	3.2	
1/13/2017	2.6	
3/16/2017	2.6	
5/19/2017	2.6	
9/19/2017	2.4	
3/13/2018	2.7	
9/11/2018	2.4	
3/8/2019	2.8	
9/5/2019	2.5	
3/3/2020		2.4

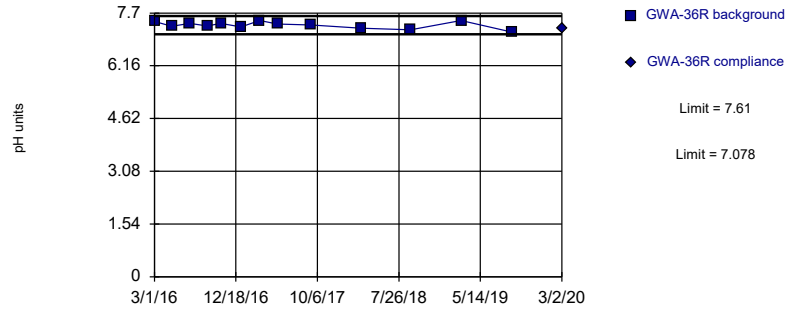
Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
3/1/2016	7.07	
5/2/2016	7	
7/7/2016	7.15	
9/7/2016	7.2	
10/25/2016	7.12	
1/5/2017	7.05	
3/15/2017	6.84	
5/17/2017	6.78	
9/15/2017	6.7	
3/12/2018	6.6	
9/6/2018	6.83	
3/6/2019	6.64	
9/4/2019	6.85	
3/2/2020		6.58

Within Limits

Prediction Limit
Intrawell Parametric

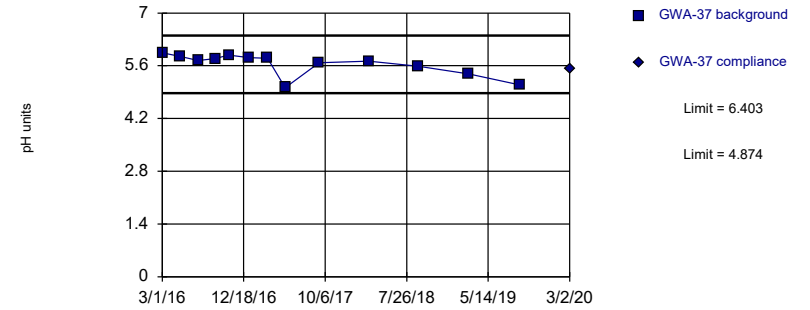


Background Data Summary: Mean=7.344, Std. Dev.=0.1029, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9622, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

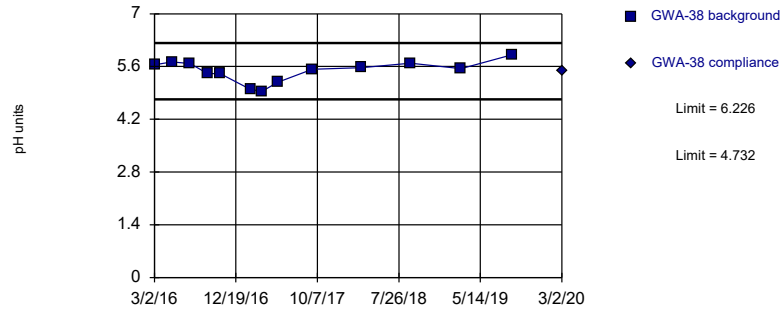


Background Data Summary: Mean=5.638, Std. Dev.=0.2954, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8176, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

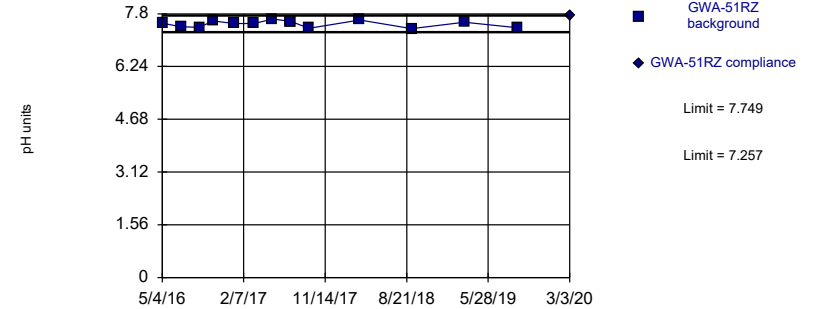


Background Data Summary: Mean=5.479, Std. Dev.=0.2887, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=7.503, Std. Dev.=0.09723, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9111, critical = 0.825. Kappa = 2.532 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
3/1/2016	7.45	
5/2/2016	7.31	
7/6/2016	7.4	
9/7/2016	7.32	
10/25/2016	7.4	
1/5/2017	7.29	
3/14/2017	7.48	
5/16/2017	7.38	
9/15/2017	7.35	
3/12/2018	7.26	
9/6/2018	7.21	
3/7/2019	7.48	
9/4/2019	7.14	
3/2/2020		7.24

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Inrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
3/1/2016	5.94 (D)	
5/3/2016	5.85	
7/8/2016	5.74	
9/7/2016	5.79	
10/25/2016	5.88	
1/6/2017	5.82	
3/14/2017	5.8	
5/16/2017	5.02	
9/15/2017	5.68	
3/12/2018	5.72	
9/6/2018	5.59	
3/6/2019	5.38	
9/4/2019	5.09	
3/2/2020		5.52

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
3/2/2016	5.65	
5/3/2016	5.72	
7/7/2016	5.68	
9/8/2016	5.42	
10/25/2016	5.41	
2/9/2017	4.99	
3/23/2017	4.94	
5/17/2017	5.18	
9/19/2017	5.53	
3/13/2018	5.57	
9/6/2018	5.69	
3/7/2019	5.54	
9/4/2019	5.91 (D)	
3/2/2020		5.49

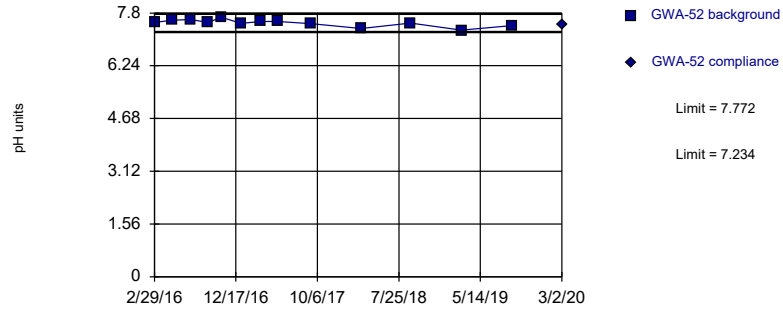
Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/4/2016	7.52 (D)	
7/7/2016	7.42 (D)	
9/8/2016	7.4 (D)	
10/26/2016	7.59 (D)	
1/6/2017	7.51 (D)	
3/15/2017	7.51 (D)	
5/18/2017	7.64 (D)	
7/18/2017	7.58	
7/19/2017	7.58 (D)	
9/19/2017	7.37 (D)	
3/13/2018	7.62	
9/7/2018	7.36	
3/8/2019	7.55	
9/4/2019	7.39	
3/3/2020		7.73

Within Limits

Prediction Limit Intrawell Parametric

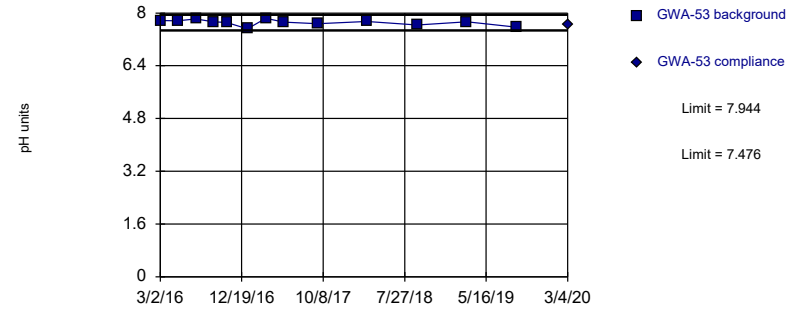


Background Data Summary: Mean=7.503, Std. Dev.=0.104, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.952, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit Intrawell Parametric

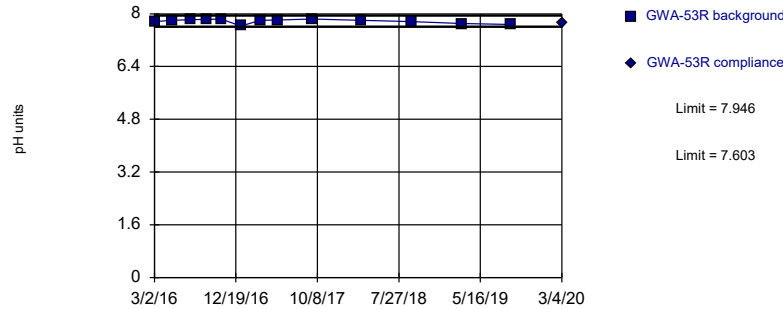


Background Data Summary: Mean=7.71, Std. Dev.=0.09055, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9359, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit Intrawell Parametric

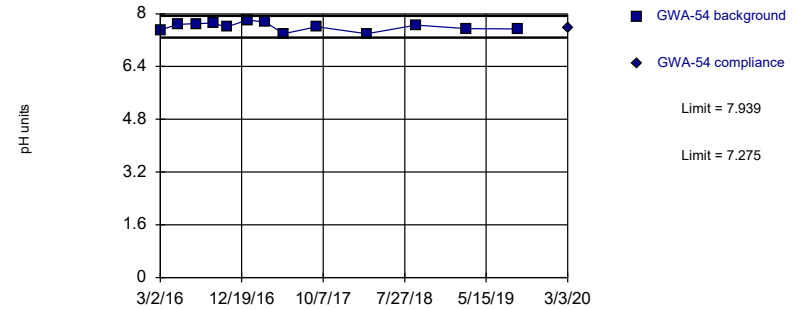


Background Data Summary: Mean=7.775, Std. Dev.=0.06628, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8592, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=7.607, Std. Dev.=0.1283, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
2/29/2016	7.52	
5/4/2016	7.59	
7/8/2016	7.61	
9/8/2016	7.52	
10/26/2016	7.67	
1/6/2017	7.49	
3/15/2017	7.55	
5/17/2017	7.55	
9/15/2017	7.48	
3/13/2018	7.34	
9/6/2018	7.5	
3/7/2019	7.29	
9/4/2019	7.43	
3/2/2020		7.44

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Inrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
3/2/2016	7.77 (D)	
5/3/2016	7.76	
7/8/2016	7.82	
9/8/2016	7.73	
10/26/2016	7.71	
1/9/2017	7.52	
3/16/2017	7.84	
5/19/2017	7.72	
9/19/2017	7.68	
3/13/2018	7.74	
9/11/2018	7.64	
3/8/2019	7.73	
9/5/2019	7.57	
3/4/2020		7.63

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
3/2/2016	7.76	
5/3/2016	7.8	
7/11/2016	7.82	
9/7/2016	7.83	
10/27/2016	7.84	
1/6/2017	7.63	
3/16/2017	7.8	
5/19/2017	7.81	
9/19/2017	7.84	
3/13/2018	7.8	
9/11/2018	7.76	
3/12/2019	7.7	
9/5/2019	7.68	
3/4/2020		7.72

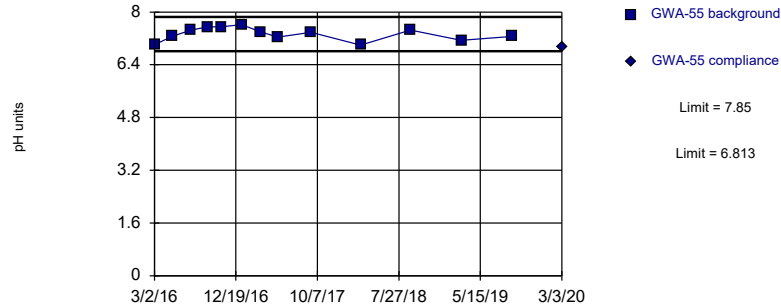
Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Inrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
3/2/2016	7.51	
5/4/2016	7.68	
7/8/2016	7.7	
9/8/2016	7.71	
10/26/2016	7.6	
1/9/2017	7.81	
3/15/2017	7.74	
5/18/2017	7.39	
9/15/2017	7.61	
3/13/2018	7.39	
9/6/2018	7.66	
3/7/2019	7.55	
9/5/2019	7.54	
3/3/2020		7.59

Within Limits

Prediction Limit
Intrawell Parametric

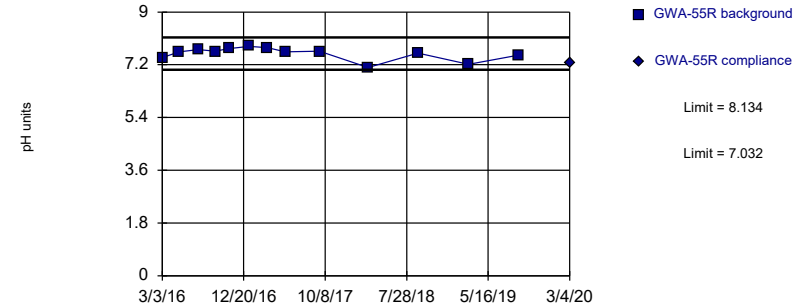


Background Data Summary: Mean=7.332, Std. Dev.=0.2005, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9445, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

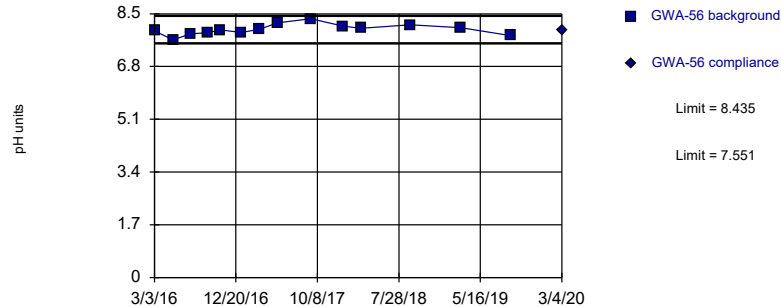


Background Data Summary: Mean=7.583, Std. Dev.=0.2129, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8676, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

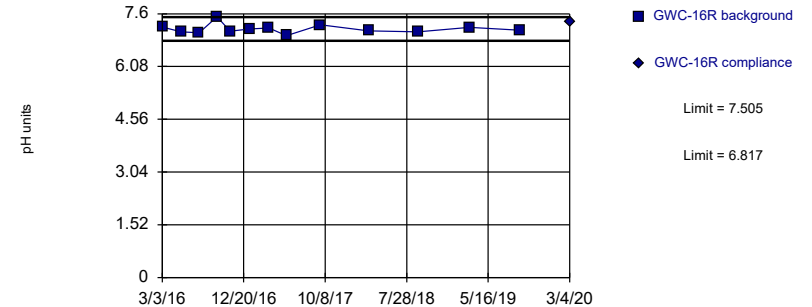


Background Data Summary: Mean=7.993, Std. Dev.=0.1746, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9953, critical = 0.825. Kappa = 2.532 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=7.161, Std. Dev.=0.1329, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8906, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:02 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Inrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
3/2/2016	7.01	
5/3/2016	7.26	
7/11/2016	7.45	
9/9/2016	7.55	
10/26/2016	7.55	
1/9/2017	7.62	
3/16/2017	7.4	
5/18/2017	7.24	
9/15/2017	7.38	
3/12/2018	7	
9/7/2018	7.45	
3/8/2019	7.14	
9/5/2019	7.26	
3/3/2020		6.95

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
3/3/2016	7.44	
5/3/2016	7.64	
7/11/2016	7.72	
9/9/2016	7.66	
10/27/2016	7.75	
1/9/2017	7.83	
3/16/2017	7.78	
5/18/2017	7.64	
9/18/2017	7.66	
3/12/2018	7.11	
9/7/2018	7.6	
3/7/2019	7.22	
9/5/2019	7.53	
3/4/2020		7.27

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
3/3/2016	7.95 (D)	
5/9/2016	7.66	
7/11/2016	7.86	
9/9/2016	7.89	
10/26/2016	7.98	
1/9/2017	7.9	
3/15/2017	8	
5/18/2017	8.21	
9/15/2017	8.34	
1/9/2018	8.1 (Y)	
3/13/2018	8.03	
9/7/2018	8.14	
3/7/2019	8.05	
9/4/2019	7.79	
3/4/2020		7.95

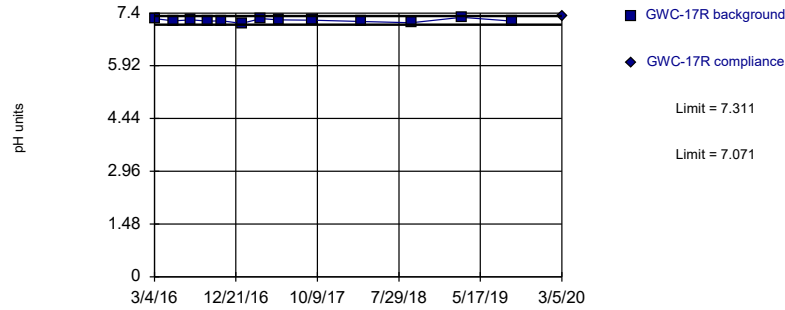
Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.22 (D)	
5/10/2016	7.08	
7/13/2016	7.05	
9/15/2016	7.51	
11/2/2016	7.1	
1/11/2017	7.16	
3/20/2017	7.19	
5/23/2017	6.97	
9/21/2017	7.28	
3/14/2018	7.11	
9/7/2018	7.08	
3/11/2019	7.21	
9/9/2019	7.13	
3/4/2020		7.37

Within Limits

Prediction Limit
Intrawell Parametric

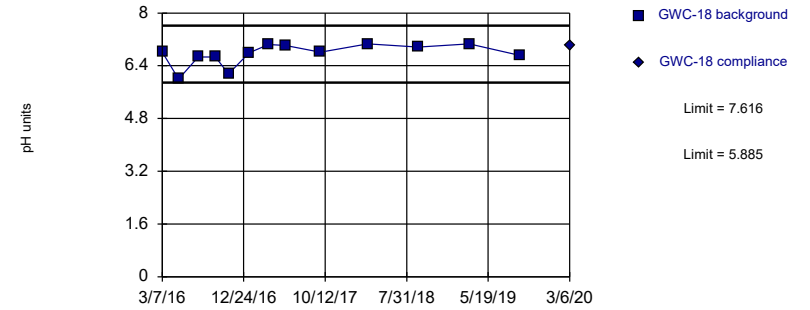


Background Data Summary: Mean=7.191, Std. Dev.=0.04645, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9798, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

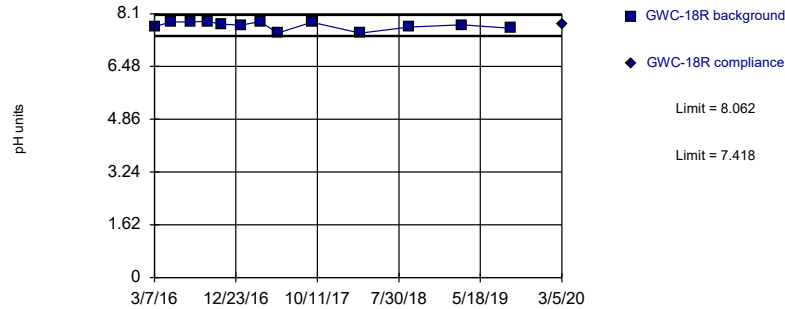


Background Data Summary: Mean=6.751, Std. Dev.=0.3346, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8196, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

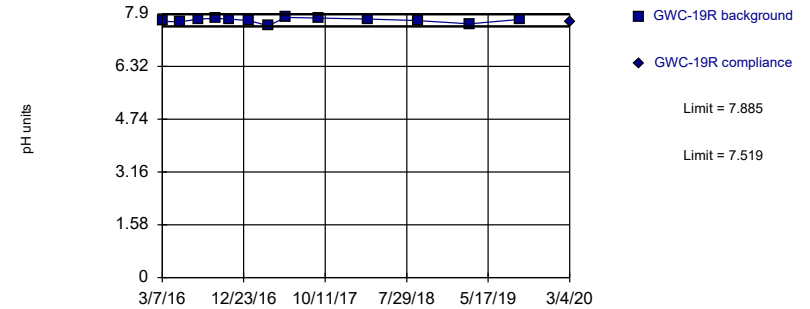


Background Data Summary: Mean=7.74, Std. Dev.=0.1244, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8701, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=7.702, Std. Dev.=0.07073, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
3/4/2016	7.24	
5/10/2016	7.18	
7/14/2016	7.21	
9/13/2016	7.17	
11/1/2016	7.18	
1/11/2017	7.11	
3/21/2017	7.24	
5/23/2017	7.21	
9/22/2017	7.2	
3/14/2018	7.16	
9/11/2018	7.13	
3/12/2019	7.28	
9/10/2019	7.17	
3/5/2020		7.3

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
3/7/2016	6.81	
5/5/2016	6	
7/13/2016	6.67	
9/13/2016	6.67	
10/31/2016	6.15	
1/12/2017	6.79	
3/23/2017	7.04	
5/23/2017	7.02	
9/25/2017	6.81	
3/14/2018	7.06	
9/11/2018	6.97	
3/12/2019	7.06	
9/9/2019	6.71	
3/6/2020		7.01

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
3/7/2016	7.7	
5/5/2016	7.85	
7/13/2016	7.85	
9/12/2016	7.87	
11/1/2016	7.78	
1/11/2017	7.75	
3/20/2017	7.86	
5/22/2017	7.51	
9/21/2017	7.84	
3/14/2018	7.51	
9/7/2018	7.69	
3/12/2019	7.76	
9/6/2019	7.65	
3/5/2020		7.77

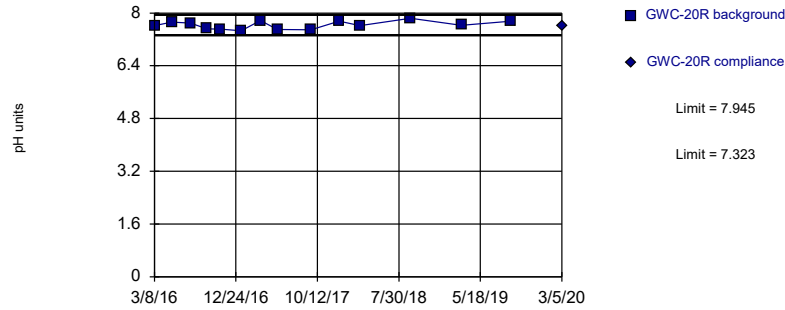
Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
3/7/2016	7.68	
5/9/2016	7.66	
7/14/2016	7.74	
9/12/2016	7.76	
10/31/2016	7.74	
1/11/2017	7.69	
3/21/2017	7.54	
5/22/2017	7.79	
9/20/2017	7.77	
3/14/2018	7.74	
9/10/2018	7.69	
3/12/2019	7.6	
9/9/2019	7.73	
3/4/2020		7.65

Within Limits

Prediction Limit
Intrawell Parametric

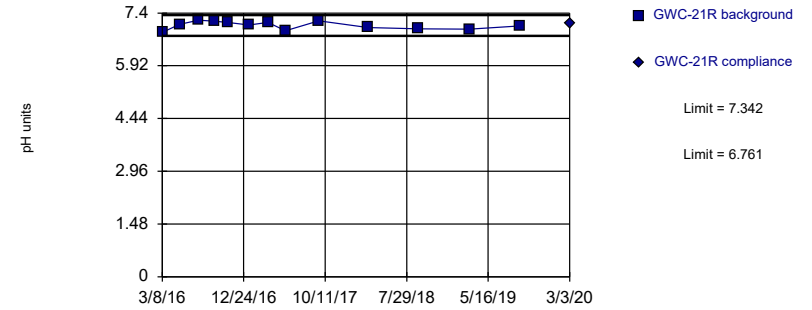


Background Data Summary: Mean=7.634, Std. Dev.=0.1228, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9311, critical = 0.825. Kappa = 2.532 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

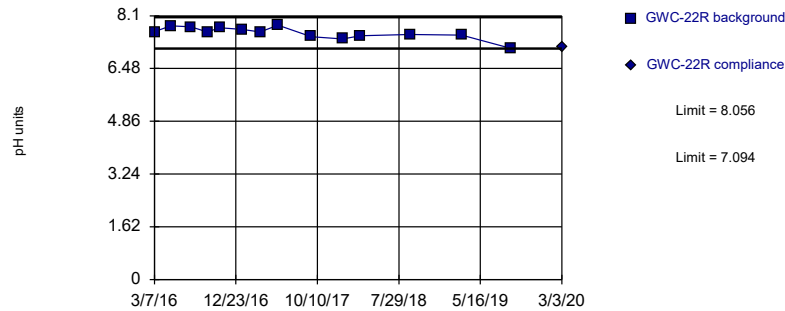


Background Data Summary: Mean=7.052, Std. Dev.=0.1123, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9426, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

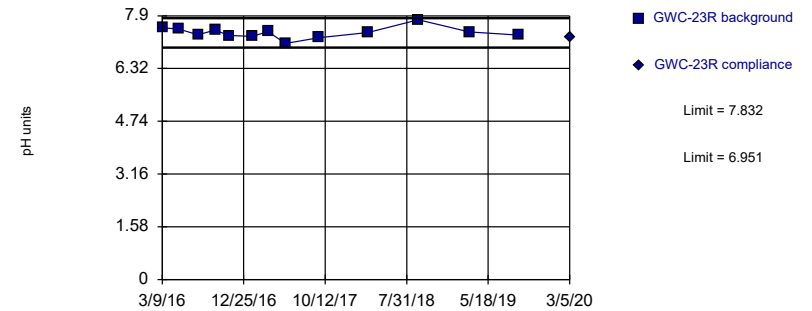


Background Data Summary: Mean=7.575, Std. Dev.=0.19, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9133, critical = 0.825. Kappa = 2.532 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=7.392, Std. Dev.=0.1702, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9597, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
3/8/2016	7.62	
5/9/2016	7.72	
7/14/2016	7.69	
9/12/2016	7.52	
10/31/2016	7.51	
1/12/2017	7.46	
3/22/2017	7.77	
5/22/2017	7.5	
9/19/2017	7.49	
12/29/2017	7.75 (Y)	
3/14/2018	7.62	
9/10/2018	7.84	
3/12/2019	7.63	
9/6/2019	7.75 (D)	
3/5/2020		7.6

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
3/8/2016	6.86	
5/9/2016	7.08	
7/15/2016	7.2	
9/9/2016	7.17	
10/27/2016	7.14	
1/12/2017	7.06	
3/21/2017	7.14	
5/23/2017	6.9	
9/19/2017	7.18	
3/14/2018	6.99	
9/10/2018	6.96	
3/11/2019	6.95	
9/6/2019	7.04	
3/3/2020		7.1

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
3/7/2016	7.61	
5/5/2016	7.79	
7/14/2016	7.76	
9/12/2016	7.6	
10/27/2016	7.73	
1/13/2017	7.68	
3/20/2017	7.6	
5/23/2017	7.81	
9/19/2017	7.46	
1/9/2018	7.39 (Y)	
3/13/2018	7.49	
9/7/2018	7.53	
3/11/2019	7.51	
9/5/2019	7.09	
3/3/2020		7.15

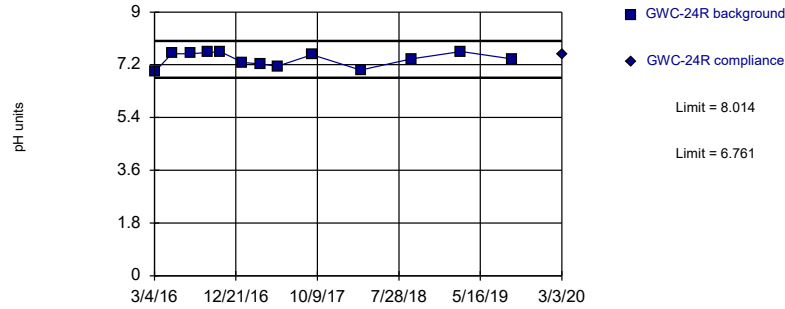
Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
3/9/2016	7.54	
5/6/2016	7.5	
7/15/2016	7.33	
9/14/2016	7.47	
11/1/2016	7.31	
1/25/2017	7.28	
3/22/2017	7.43	
5/24/2017	7.07	
9/21/2017	7.24	
3/14/2018	7.4	
9/11/2018	7.78	
3/12/2019	7.42	
9/6/2019	7.32	
3/5/2020		7.24

Within Limits

Prediction Limit
Intrawell Parametric

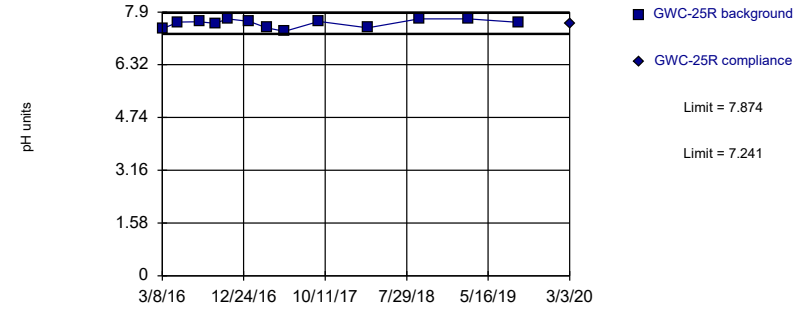


Background Data Summary: Mean=7.388, Std. Dev.=0.2421, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.898, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

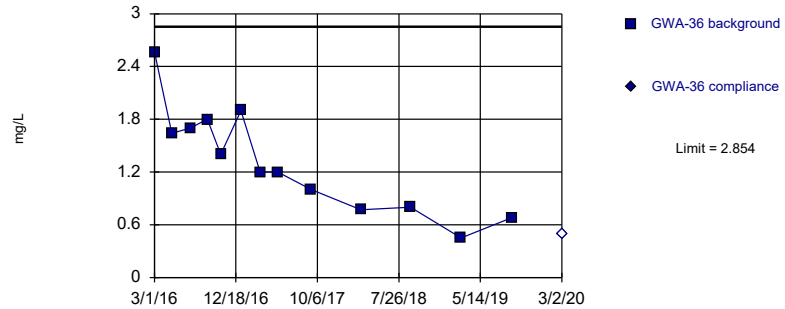


Background Data Summary: Mean=7.558, Std. Dev.=0.1224, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8787, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

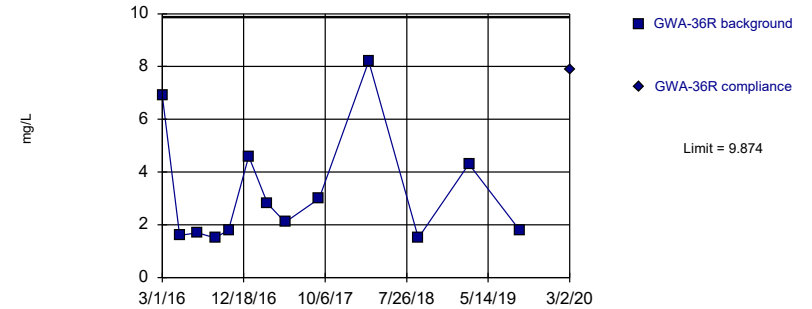


Background Data Summary: Mean=1.316, Std. Dev.=0.5945, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9644, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.713, Std. Dev.=0.5527, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.834, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
3/4/2016	6.95	
5/5/2016	7.58	
7/12/2016	7.58	
9/13/2016	7.62	
10/27/2016	7.64	
1/13/2017	7.28	
3/20/2017	7.23	
5/19/2017	7.15	
9/19/2017	7.54	
3/13/2018	7.02	
9/11/2018	7.4	
3/8/2019	7.65	
9/5/2019	7.4 (D)	
3/3/2020		7.55

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
3/8/2016	7.4	
5/4/2016	7.6	
7/18/2016	7.61	
9/13/2016	7.56	
10/27/2016	7.69	
1/13/2017	7.62	
3/16/2017	7.43	
5/19/2017	7.32	
9/19/2017	7.62	
3/13/2018	7.43	
9/11/2018	7.69	
3/8/2019	7.69	
9/5/2019	7.59	
3/3/2020		7.56

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
3/1/2016	2.5655	
5/2/2016	1.64	
7/7/2016	1.7	
9/7/2016	1.8	
10/25/2016	1.4	
1/5/2017	1.9 (J)	
3/15/2017	1.2	
5/17/2017	1.2	
9/15/2017	1	
3/12/2018	0.77 (J)	
9/6/2018	0.8 (J)	
3/6/2019	0.45 (J)	
9/4/2019	0.68 (J)	
3/2/2020		<1

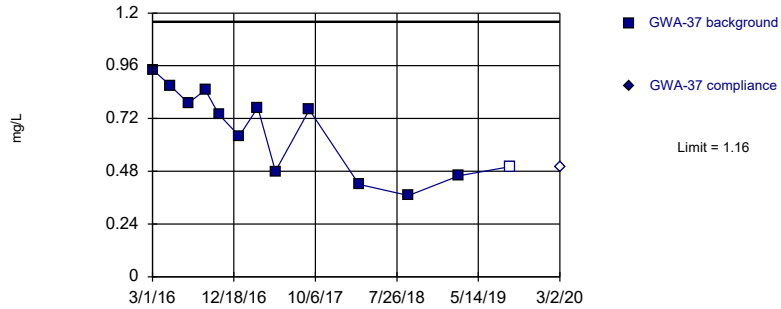
Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
3/1/2016	6.8929	
5/2/2016	1.6	
7/6/2016	1.7	
9/7/2016	1.5	
10/25/2016	1.8	
1/5/2017	4.6	
3/14/2017	2.8	
5/16/2017	2.1	
9/15/2017	3	
3/12/2018	8.2	
9/6/2018	1.5	
3/7/2019	4.3	
9/4/2019	1.8	
3/2/2020		7.9

Within Limit

Prediction Limit
 Intrawell Parametric

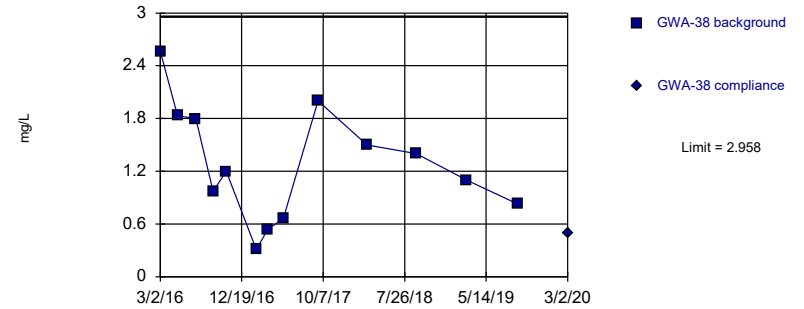


Background Data Summary: Mean=0.661, Std. Dev.=0.1927, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9182, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

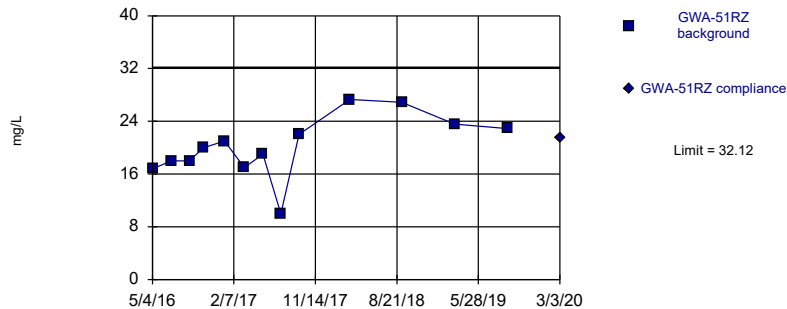


Background Data Summary: Mean=1.285, Std. Dev.=0.6468, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9792, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

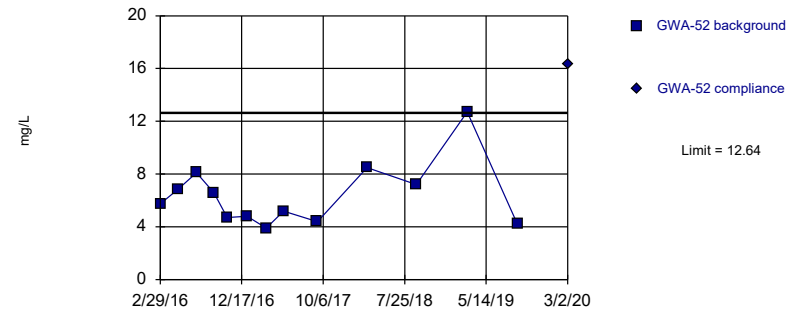


Background Data Summary: Mean=20.19, Std. Dev.=4.61, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9549, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Exceeds Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=6.378, Std. Dev.=2.42, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8583, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
3/1/2016	0.9427 (J)	
5/3/2016	0.87 (J)	
7/8/2016	0.79 (J)	
9/7/2016	0.85 (J)	
10/25/2016	0.74 (J)	
1/6/2017	0.64 (J)	
3/14/2017	0.77 (J)	
5/16/2017	0.48 (J)	
9/15/2017	0.76 (J)	
3/12/2018	0.42 (J)	
9/6/2018	0.37 (J)	
3/6/2019	0.46 (J)	
9/4/2019	<1	
3/2/2020		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
3/2/2016	2.5669	
5/3/2016	1.83	
7/7/2016	1.8	
9/8/2016	0.97 (J)	
10/25/2016	1.2	
2/9/2017	0.31 (J)	
3/23/2017	0.54 (J)	
5/17/2017	0.66 (J)	
9/19/2017	2	
3/13/2018	1.5	
9/6/2018	1.4	
3/7/2019	1.1	
9/4/2019	0.83 (J)	
3/2/2020		0.5 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/4/2016	16.8 (D)	
7/7/2016	18 (D)	
9/8/2016	18 (D)	
10/26/2016	20 (D)	
1/6/2017	21 (D)	
3/15/2017	17 (D)	
5/18/2017	19 (D)	
7/19/2017	10 (D)	
9/19/2017	22 (D)	
3/13/2018	27.3	
9/7/2018	26.9	
3/8/2019	23.6	
9/4/2019	22.9	
3/3/2020		21.5

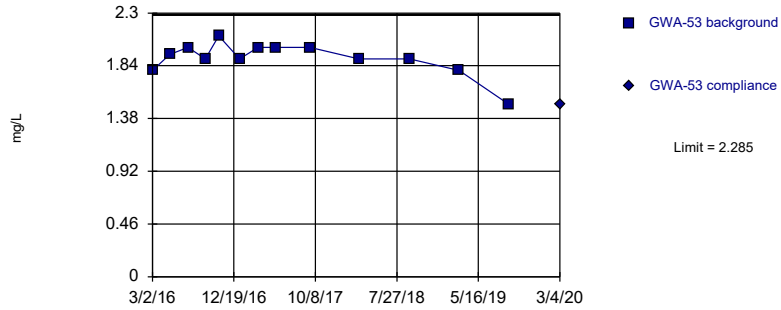
Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
2/29/2016	5.7396	
5/4/2016	6.87	
7/8/2016	8.1	
9/8/2016	6.6	
10/26/2016	4.7	
1/6/2017	4.8	
3/15/2017	3.9	
5/17/2017	5.2	
9/15/2017	4.4	
3/13/2018	8.5	
9/6/2018	7.2	
3/7/2019	12.7	
9/4/2019	4.2	
3/2/2020		16.3

Within Limit

Prediction Limit
Intrawell Parametric

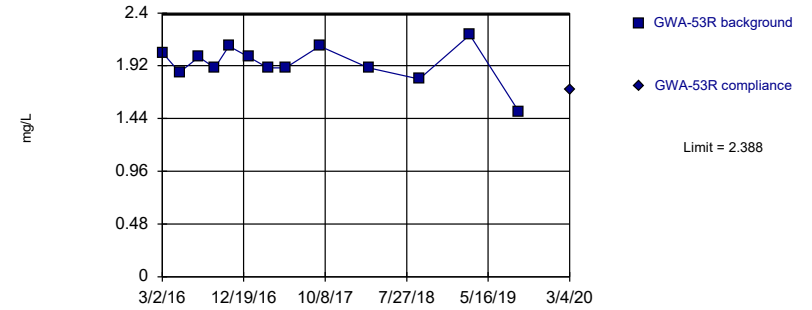


Background Data Summary: Mean=1.903, Std. Dev.=0.1477, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8328, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

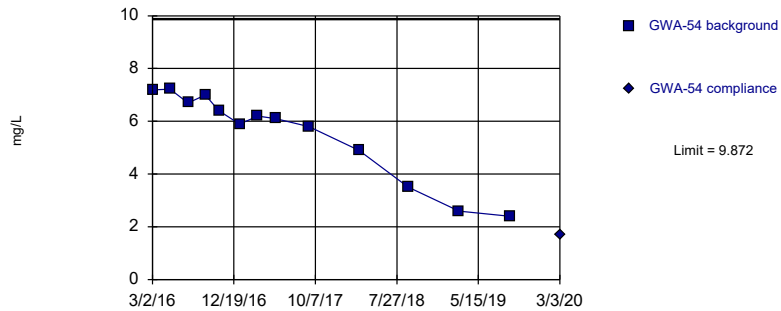


Background Data Summary: Mean=1.939, Std. Dev.=0.1737, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9072, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

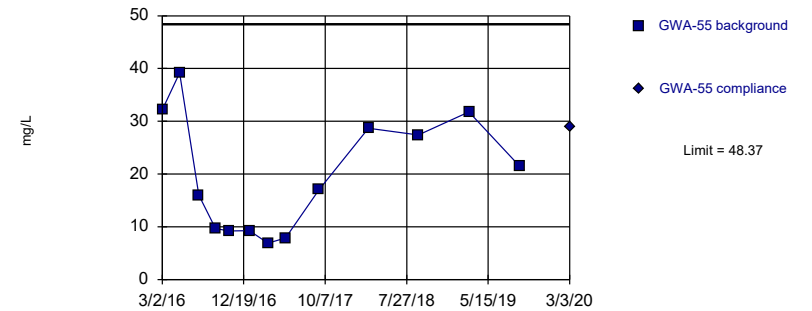


Background Data Summary: Mean=5.531, Std. Dev.=1.678, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.845, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=19.75, Std. Dev.=11.06, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9017, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
3/2/2016	1.799	
5/3/2016	1.94	
7/8/2016	2	
9/8/2016	1.9	
10/26/2016	2.1	
1/9/2017	1.9	
3/16/2017	2	
5/19/2017	2	
9/19/2017	2	
3/13/2018	1.9	
9/11/2018	1.9	
3/8/2019	1.8	
9/5/2019	1.5	
3/4/2020		1.5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
3/2/2016	2.0407	
5/3/2016	1.86	
7/11/2016	2	
9/7/2016	1.9	
10/27/2016	2.1	
1/6/2017	2	
3/16/2017	1.9	
5/19/2017	1.9	
9/19/2017	2.1	
3/13/2018	1.9	
9/11/2018	1.8	
3/12/2019	2.2	
9/5/2019	1.5	
3/4/2020		1.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
3/2/2016	7.1892	
5/4/2016	7.22	
7/8/2016	6.7	
9/8/2016	7	
10/26/2016	6.4	
1/9/2017	5.9	
3/15/2017	6.2	
5/18/2017	6.1	
9/15/2017	5.8	
3/13/2018	4.9	
9/6/2018	3.5	
3/7/2019	2.6	
9/5/2019	2.4	
3/3/2020		1.7

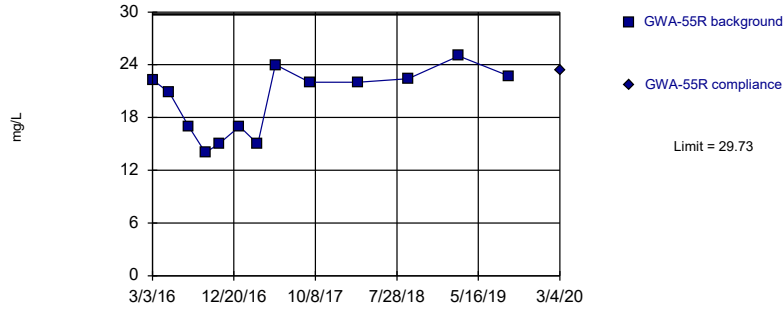
Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
3/2/2016	32.178	
5/3/2016	39.2	
7/11/2016	16	
9/9/2016	9.7	
10/26/2016	9.2	
1/9/2017	9.3	
3/16/2017	6.9	
5/18/2017	7.9	
9/15/2017	17	
3/12/2018	28.7	
9/7/2018	27.4	
3/8/2019	31.8	
9/5/2019	21.5	
3/3/2020		29

Within Limit

Prediction Limit
Intrawell Parametric

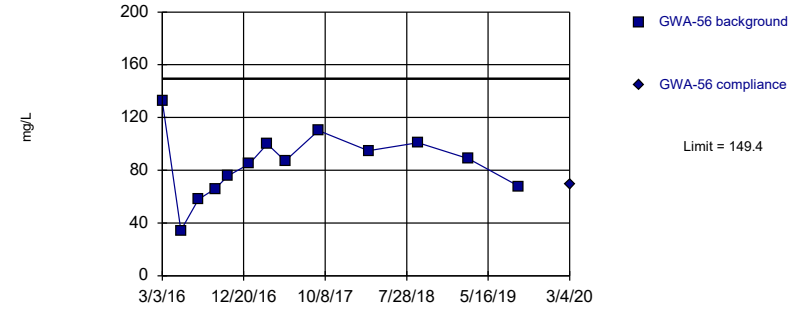


Background Data Summary: Mean=19.94, Std. Dev.=3.786, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8818, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

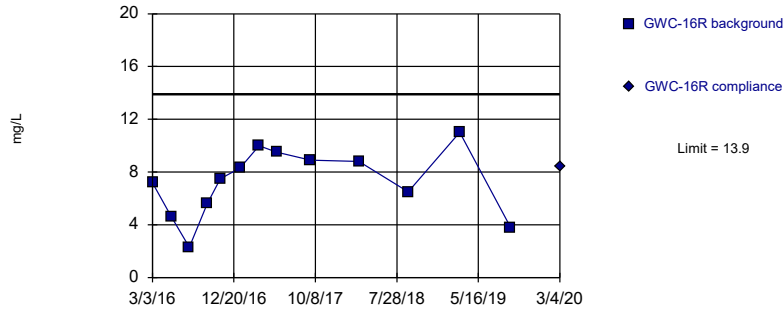


Background Data Summary: Mean=84.7, Std. Dev.=25.01, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9873, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

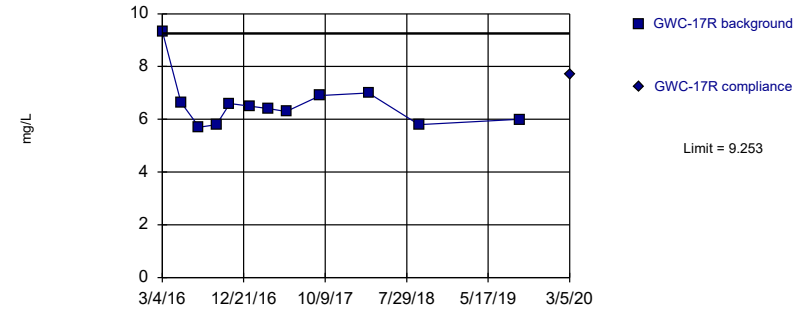


Background Data Summary: Mean=7.229, Std. Dev.=2.577, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9678, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.876, Std. Dev.=0.1321, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.812, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
3/3/2016	22.316	
5/3/2016	20.8	
7/11/2016	17	
9/9/2016	14	
10/27/2016	15	
1/9/2017	17	
3/16/2017	15	
5/18/2017	24	
9/18/2017	22	
3/12/2018	22	
9/7/2018	22.4	
3/7/2019	25	
9/5/2019	22.7	
3/4/2020		23.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
3/3/2016	132.4615	
5/9/2016	34.3	
7/11/2016	58	
9/9/2016	66	
10/26/2016	76	
1/9/2017	85	
3/15/2017	100	
5/18/2017	87	
9/15/2017	110	
3/13/2018	94.8	
9/7/2018	101	
3/7/2019	88.7	
9/4/2019	67.8	
3/4/2020		69.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

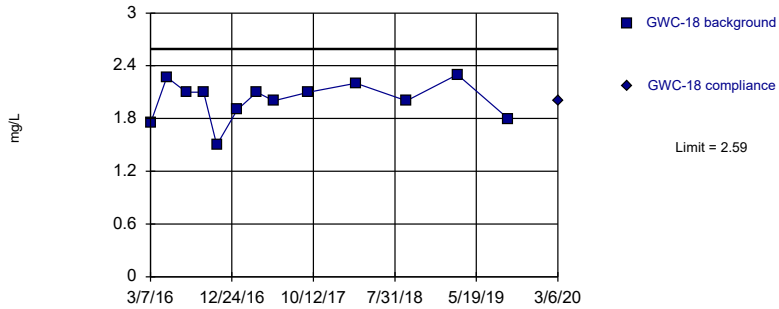
	GWC-16R	GWC-16R
3/3/2016	7.1809 (D)	
5/10/2016	4.6	
7/13/2016	2.3	
9/15/2016	5.6	
11/2/2016	7.5	
1/11/2017	8.3	
3/20/2017	10	
5/23/2017	9.5	
9/21/2017	8.9	
3/14/2018	8.8	
9/7/2018	6.5	
3/11/2019	11	
9/9/2019	3.8	
3/4/2020		8.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
3/4/2016	9.3417	
5/10/2016	6.65	
7/14/2016	5.7	
9/14/2016	5.8	
11/1/2016	6.6	
1/11/2017	6.5	
3/21/2017	6.4	
5/23/2017	6.3	
9/22/2017	6.9	
3/14/2018	7	
9/11/2018	5.8	
3/12/2019	25.9 (O)	
9/10/2019	6	
3/5/2020		7.7

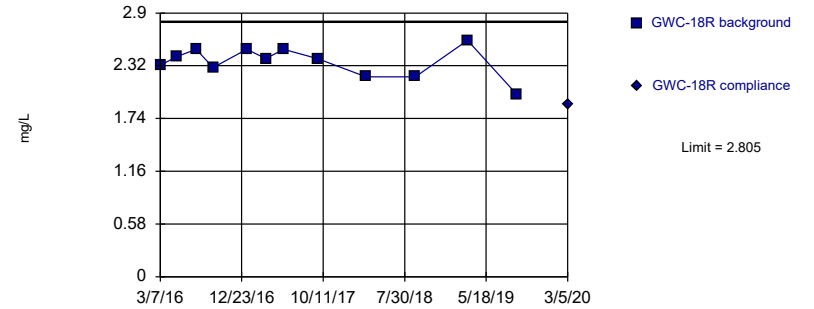
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary: Mean=2.009, Std. Dev.=0.2247, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9275, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

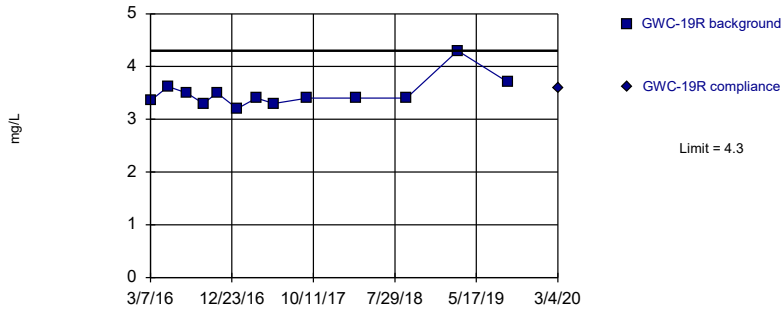
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary: Mean=2.362, Std. Dev.=0.1675, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9413, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

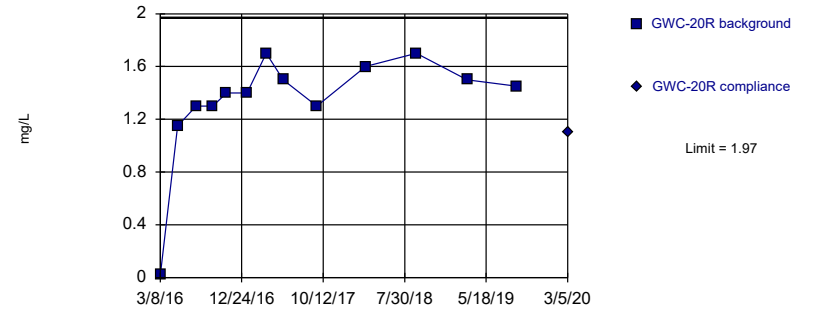
Within Limit Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit Prediction Limit Intrawell Parametric



Background Data Summary (based on square transformation): Mean=1.943, Std. Dev.=0.7494, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8866, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
3/7/2016	1.7468	
5/5/2016	2.27	
7/13/2016	2.1	
9/13/2016	2.1	
10/31/2016	1.5	
1/12/2017	1.9	
3/23/2017	2.1	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.2	
9/11/2018	2	
3/12/2019	2.3	
9/9/2019	1.8	
3/6/2020		2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Inflow
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.3258	
5/5/2016	2.42	
7/13/2016	2.5	
9/12/2016	2.3	
1/11/2017	2.5	
3/20/2017	2.4	
5/22/2017	2.5	
9/21/2017	2.4	
3/14/2018	2.2	
9/7/2018	2.2	
3/12/2019	2.6	
9/6/2019	2	
3/5/2020		1.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
3/7/2016	3.3556	
5/9/2016	3.62	
7/14/2016	3.5	
9/12/2016	3.3	
10/31/2016	3.5	
1/11/2017	3.2	
3/21/2017	3.4	
5/22/2017	3.3	
9/20/2017	3.4	
3/14/2018	3.4	
9/10/2018	3.4	
3/12/2019	4.3	
9/9/2019	3.7	
3/4/2020		3.6

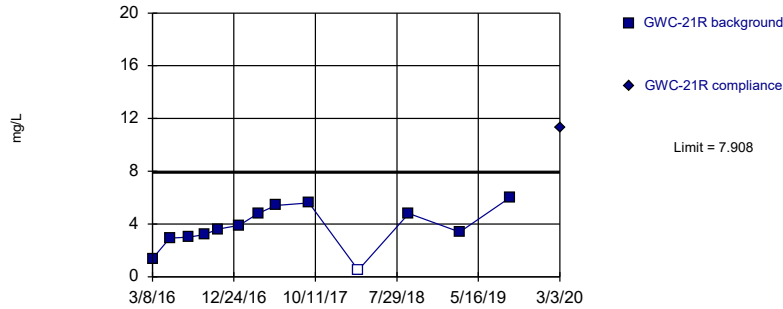
Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
3/8/2016	0.0196 (J)	
5/9/2016	1.15	
7/14/2016	1.3	
9/12/2016	1.3	
10/31/2016	1.4	
1/12/2017	1.4	
3/22/2017	1.7	
5/22/2017	1.5	
9/19/2017	1.3	
3/14/2018	1.6	
9/10/2018	1.7	
3/12/2019	1.5	
9/6/2019	1.45 (D)	
3/5/2020		1.1

Exceeds Limit

Prediction Limit
 Intrawell Parametric

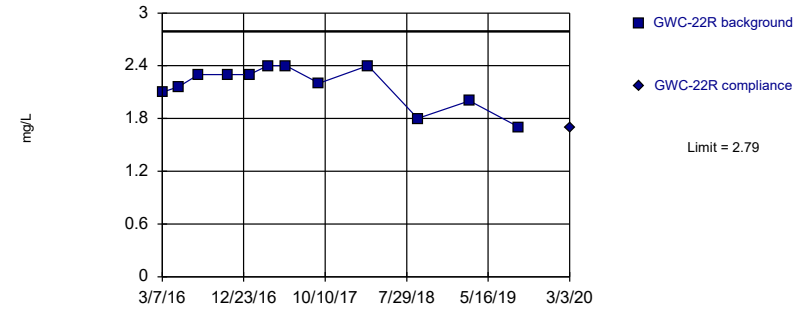


Background Data Summary: Mean=3.733, Std. Dev.=1.614, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9512, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

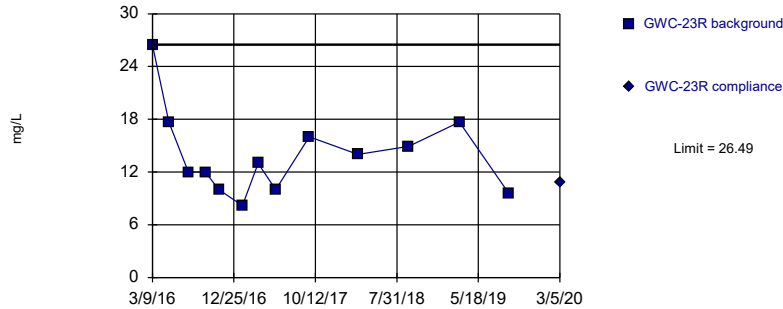


Background Data Summary: Mean=2.172, Std. Dev.=0.2339, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8713, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

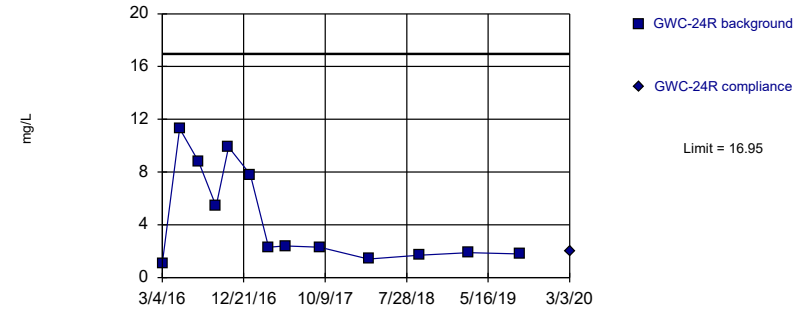


Background Data Summary: Mean=13.96, Std. Dev.=4.844, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.887, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.955, Std. Dev.=0.8353, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8395, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
3/8/2016	1.3858	
5/9/2016	2.94	
7/15/2016	3	
9/9/2016	3.2	
10/27/2016	3.6	
1/12/2017	3.9	
3/21/2017	4.8	
5/23/2017	5.4	
9/19/2017	5.6	
3/14/2018	<1	
9/10/2018	4.8	
3/11/2019	3.4	
9/6/2019	6	
3/3/2020		11.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.1008	
5/5/2016	2.16	
7/14/2016	2.3	
10/27/2016	2.3	
1/13/2017	2.3	
3/20/2017	2.4	
5/23/2017	2.4	
9/19/2017	2.2	
3/13/2018	2.4	
9/7/2018	1.8	
3/11/2019	2	
9/5/2019	1.7	
3/3/2020		1.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
3/9/2016	26.4322	
5/6/2016	17.7	
7/15/2016	12	
9/14/2016	12	
11/1/2016	10	
1/25/2017	8.2	
3/22/2017	13	
5/24/2017	10	
9/21/2017	16	
3/14/2018	14	
9/11/2018	14.9	
3/12/2019	17.7	
9/6/2019	9.5	
3/5/2020		10.8

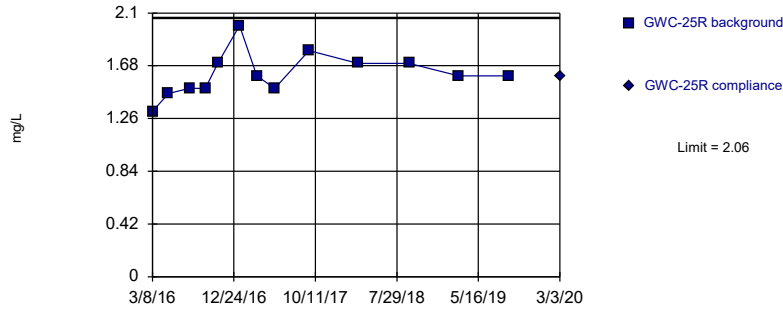
Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
3/4/2016	1.0816	
5/5/2016	11.3	
7/12/2016	8.8	
9/13/2016	5.4	
10/27/2016	9.9	
1/13/2017	7.8	
3/20/2017	2.3	
5/19/2017	2.4	
9/19/2017	2.3	
3/13/2018	1.4	
9/11/2018	1.7	
3/8/2019	1.9	
9/5/2019	1.8 (D)	
3/3/2020		2

Within Limit

Prediction Limit
Intrawell Parametric

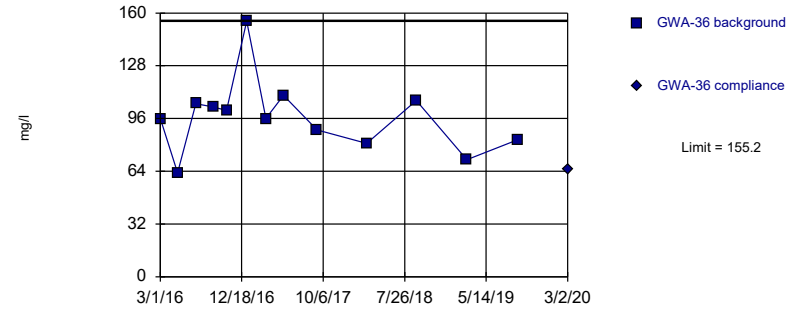


Background Data Summary: Mean=1.614, Std. Dev.=0.1727, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9529, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

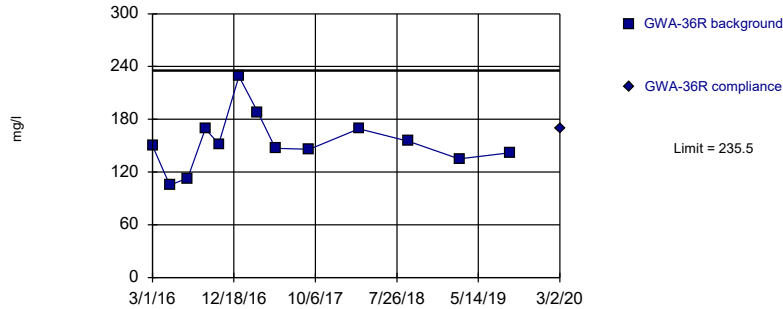


Background Data Summary: Mean=96.92, Std. Dev.=22.54, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9004, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



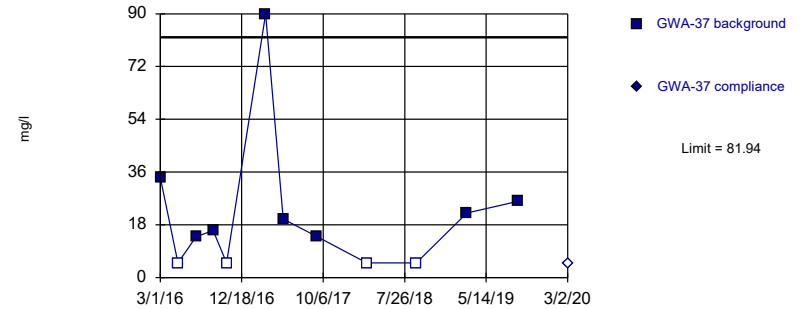
Background Data Summary: Mean=153.8, Std. Dev.=31.56, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9305, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.428, Std. Dev.=1.75, n=12, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8341, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/16/2020 1:05 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
3/8/2016	1.3157	
5/4/2016	1.46	
7/18/2016	1.5	
9/13/2016	1.5	
10/27/2016	1.7	
1/13/2017	2	
3/16/2017	1.6	
5/19/2017	1.5	
9/19/2017	1.8	
3/13/2018	1.7	
9/11/2018	1.7	
3/8/2019	1.6	
9/5/2019	1.6	
3/3/2020		1.6

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
3/1/2016	96 (D)	
5/2/2016	63 (D)	
7/7/2016	105 (D)	
9/7/2016	103 (D)	
10/25/2016	101 (D)	
1/5/2017	155	
3/15/2017	96	
5/17/2017	110	
9/15/2017	89	
3/12/2018	81	
9/6/2018	107	
3/6/2019	71 (J)	
9/4/2019	83	
3/2/2020		65

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
3/1/2016	150 (D)	
5/2/2016	105 (D)	
7/6/2016	113 (D)	
9/7/2016	169 (D)	
10/25/2016	152 (D)	
1/5/2017	229	
3/14/2017	188	
5/16/2017	147	
9/15/2017	146	
3/12/2018	169	
9/6/2018	155	
3/7/2019	135	
9/4/2019	142	
3/2/2020		170

Prediction Limit

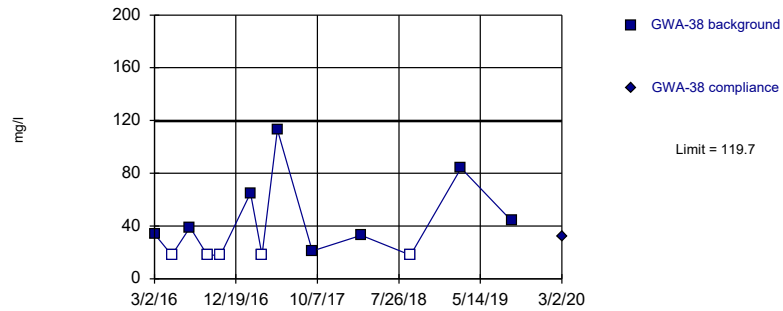
Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
3/1/2016	34 (D)	
5/3/2016	<10 (D)	
7/8/2016	14 (JD)	
9/7/2016	16 (JD)	
10/25/2016	<10 (D)	
3/14/2017	90	
5/16/2017	20 (J)	
9/15/2017	14 (J)	
3/12/2018	<10	
9/6/2018	<10	
3/6/2019	22 (J)	
9/4/2019	26	
3/2/2020		<10

Within Limit

Prediction Limit
Intrawell Parametric

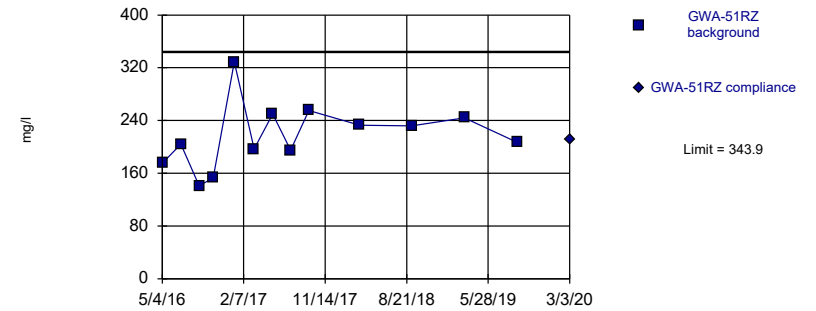


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=6.448, Std. Dev.=1.736, n=13, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8299, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

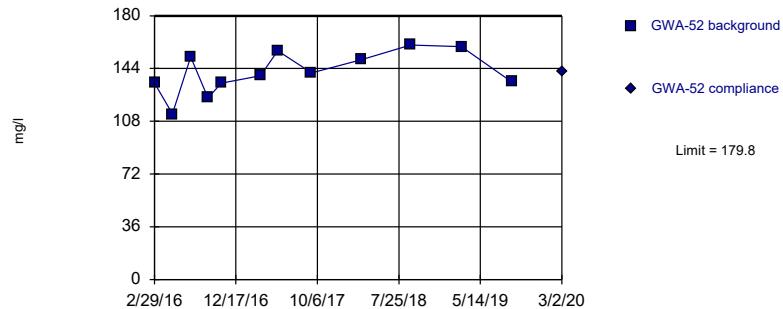


Background Data Summary: Mean=216.5, Std. Dev.=49.22, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9545, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

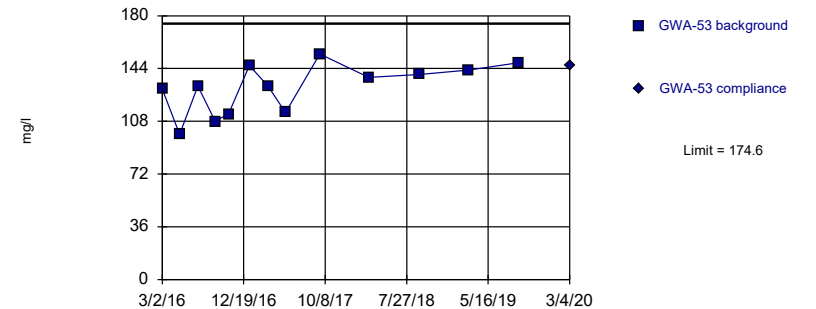


Background Data Summary: Mean=141.4, Std. Dev.=14.53, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=130.5, Std. Dev.=17.04, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
3/2/2016	34 (D)	
5/3/2016	<36 (D)	
7/7/2016	39 (D)	
9/8/2016	<36 (D)	
10/25/2016	<36 (D)	
2/9/2017	65	
3/23/2017	<36	
5/17/2017	113	
9/19/2017	21 (J)	
3/13/2018	33	
9/6/2018	<36	
3/7/2019	84	
9/4/2019	44	
3/2/2020		32

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/4/2016	175 (D)	
7/7/2016	204 (D)	
9/8/2016	141 (D)	
10/26/2016	153 (D)	
1/6/2017	329 (D)	
3/15/2017	197 (D)	
5/18/2017	250 (D)	
7/19/2017	195 (D)	
9/19/2017	255 (D)	
3/13/2018	233	
9/7/2018	232	
3/8/2019	244	
9/4/2019	207	
3/3/2020		211

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
2/29/2016	134 (D)	
5/4/2016	113 (D)	
7/8/2016	152 (D)	
9/8/2016	124 (D)	
10/26/2016	134 (D)	
3/15/2017	139	
5/17/2017	156	
9/15/2017	141	
3/13/2018	150	
9/6/2018	160	
3/7/2019	159	
9/4/2019	135	
3/2/2020		142

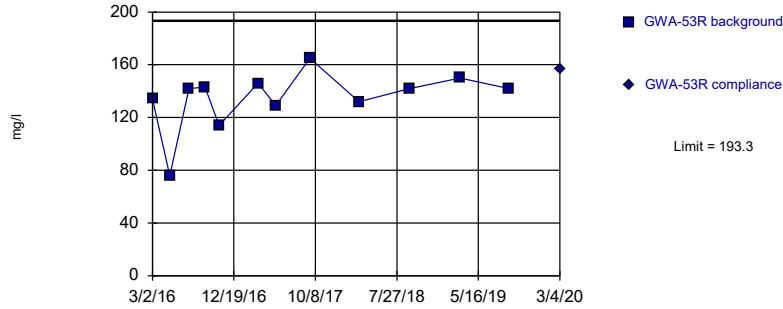
Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
3/2/2016	130 (D)	
5/3/2016	99 (D)	
7/8/2016	132 (D)	
9/8/2016	108 (D)	
10/26/2016	113 (D)	
1/9/2017	146	
3/16/2017	132	
5/19/2017	114	
9/19/2017	154	
3/13/2018	138	
9/11/2018	140	
3/8/2019	143	
9/5/2019	148	
3/4/2020		146

Within Limit

Prediction Limit
Intrawell Parametric

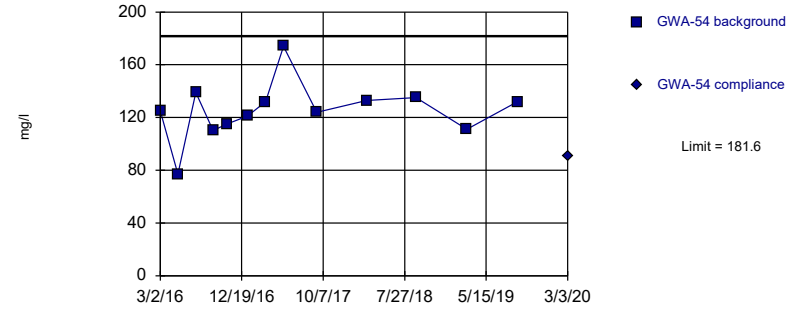


Background Data Summary: Mean=134.6, Std. Dev.=22.2, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.832, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

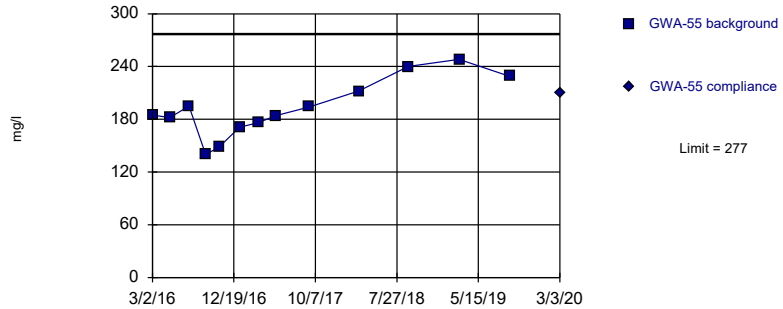


Background Data Summary: Mean=125.2, Std. Dev.=21.8, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9126, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

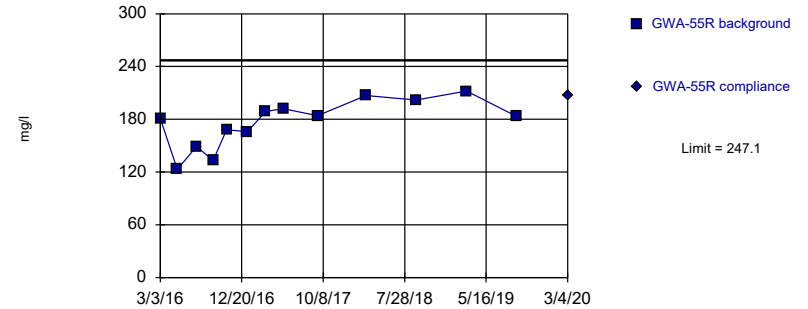


Background Data Summary: Mean=192.6, Std. Dev.=32.62, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9576, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=176.1, Std. Dev.=27.46, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9354, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
3/2/2016	134 (D)	
5/3/2016	76 (D)	
7/11/2016	142 (D)	
9/7/2016	143 (D)	
10/27/2016	114 (D)	
3/16/2017	146	
5/19/2017	129	
9/19/2017	165	
3/13/2018	132	
9/11/2018	142	
3/12/2019	150 (J)	
9/5/2019	142	
3/4/2020		157

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
3/2/2016	125 (D)	
5/4/2016	77 (D)	
7/8/2016	139 (D)	
9/8/2016	110 (D)	
10/26/2016	115 (D)	
1/9/2017	121	
3/15/2017	132	
5/18/2017	174	
9/15/2017	124	
3/13/2018	133	
9/6/2018	135	
3/7/2019	111	
9/5/2019	132	
3/3/2020		91

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
3/2/2016	185 (D)	
5/3/2016	182 (D)	
7/11/2016	195 (D)	
9/9/2016	140 (D)	
10/26/2016	148 (D)	
1/9/2017	171	
3/16/2017	176	
5/18/2017	184	
9/15/2017	194	
3/12/2018	212	
9/7/2018	240	
3/8/2019	248	
9/5/2019	229	
3/3/2020		210

Prediction Limit

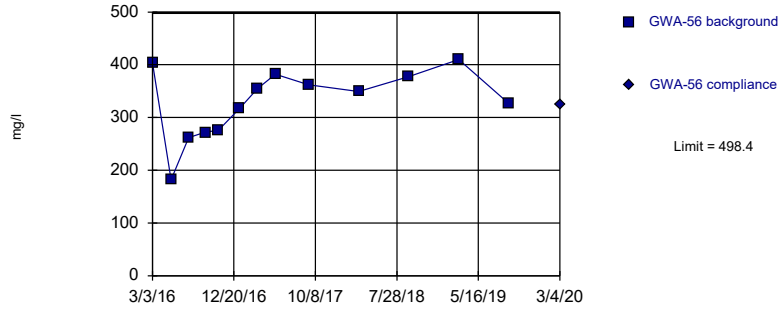
Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
3/3/2016	181 (D)	
5/3/2016	123 (D)	
7/11/2016	149 (D)	
9/9/2016	133 (D)	
10/27/2016	168 (D)	
1/9/2017	166	
3/16/2017	189	
5/18/2017	192	
9/18/2017	184	
3/12/2018	207	
9/7/2018	202	
3/7/2019	212	
9/5/2019	183	
3/4/2020		207

Within Limit

Prediction Limit
Intrawell Parametric

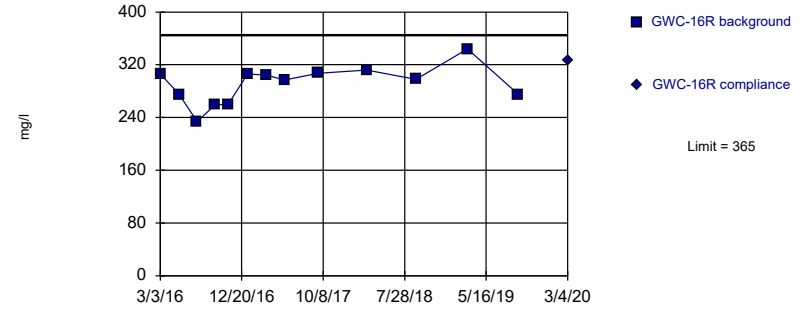


Background Data Summary: Mean=328.7, Std. Dev.=65.59, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.932, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

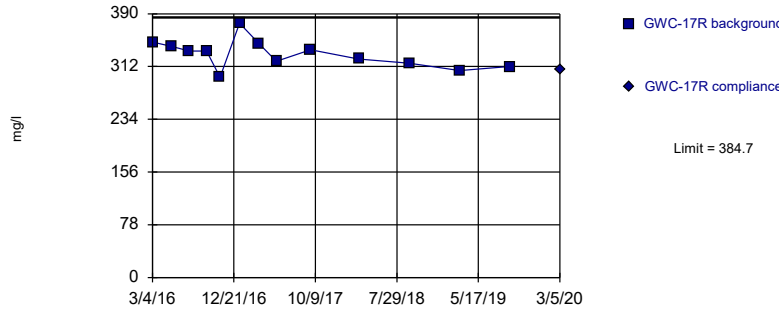


Background Data Summary: Mean=290.5, Std. Dev.=28.8, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

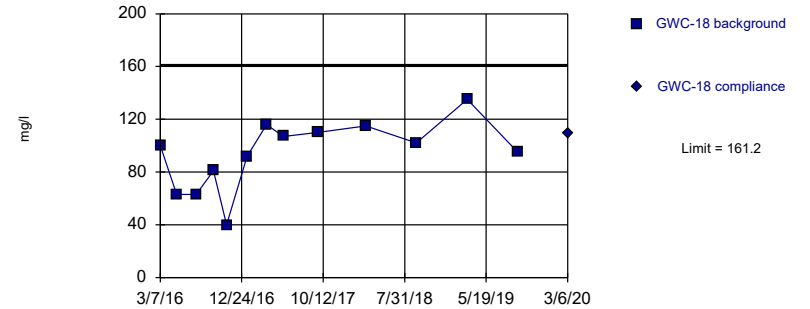


Background Data Summary: Mean=330.2, Std. Dev.=21.04, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.971, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=93.77, Std. Dev.=26.05, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9522, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
3/3/2016	403 (D)	
5/9/2016	182 (D)	
7/11/2016	262 (D)	
9/9/2016	272 (D)	
10/26/2016	276 (D)	
1/9/2017	317	
3/15/2017	355	
5/18/2017	382	
9/15/2017	362	
3/13/2018	349	
9/7/2018	377	
3/7/2019	410	
9/4/2019	326	
3/4/2020		325

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
3/3/2016	306 (D)	
5/10/2016	275 (D)	
7/13/2016	234 (D)	
9/15/2016	259 (D)	
11/2/2016	260 (D)	
1/11/2017	306	
3/20/2017	304	
5/23/2017	297	
9/21/2017	307	
3/14/2018	312	
9/7/2018	298	
3/11/2019	344	
9/9/2019	275	
3/4/2020		326

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
3/4/2016	348 (D)	
5/10/2016	342 (D)	
7/14/2016	335 (D)	
9/14/2016	335 (D)	
11/1/2016	296 (D)	
1/11/2017	376	
3/21/2017	346	
5/23/2017	320	
9/22/2017	337	
3/14/2018	323	
9/11/2018	317	
3/12/2019	306	
9/10/2019	312	
3/5/2020		307

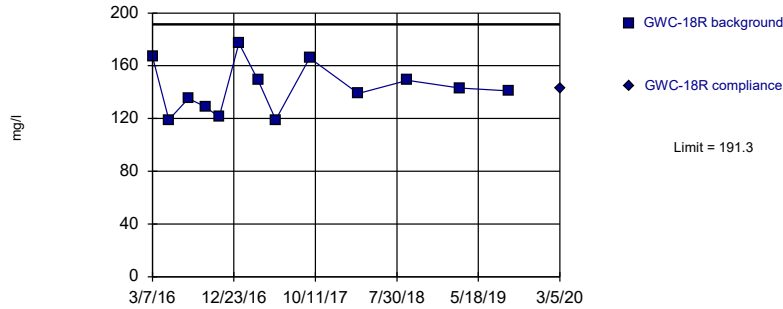
Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
3/7/2016	100 (D)	
5/5/2016	63 (D)	
7/13/2016	63 (D)	
9/13/2016	81 (D)	
10/31/2016	40 (D)	
1/12/2017	92	
3/23/2017	116	
5/23/2017	107	
9/25/2017	110	
3/14/2018	115	
9/11/2018	102	
3/12/2019	135 (J)	
9/9/2019	95	
3/6/2020		109

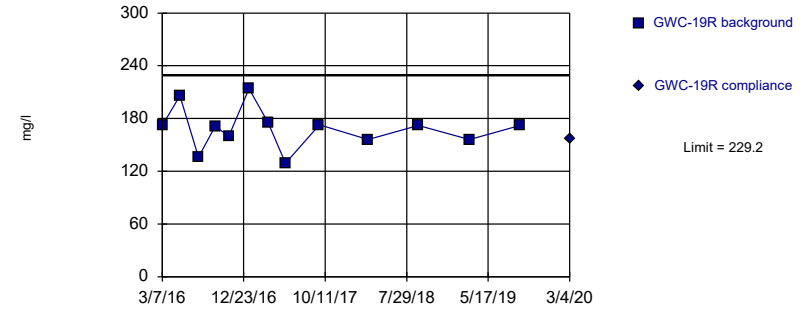
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=142.6, Std. Dev.=18.81, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9364, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

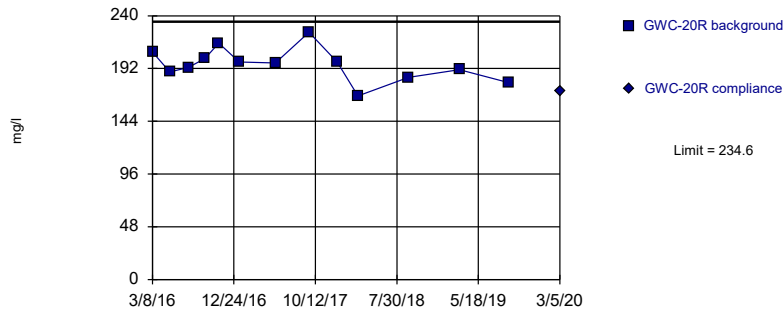
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=168.6, Std. Dev.=23.42, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

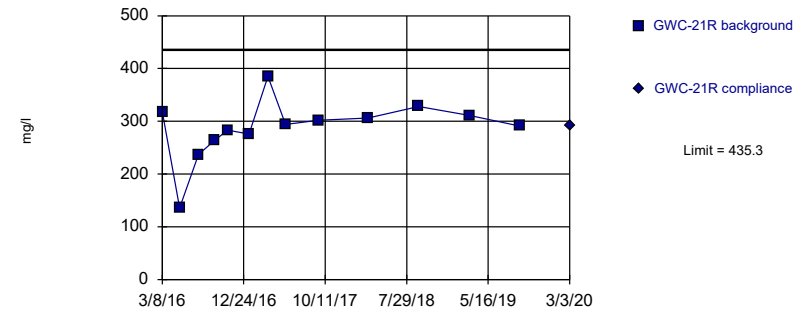
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=195.7, Std. Dev.=15.04, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9848, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=286.9, Std. Dev.=57.36, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8767, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
3/7/2016	167 (D)	
5/5/2016	119 (D)	
7/13/2016	135 (D)	
9/12/2016	129 (D)	
11/1/2016	121 (D)	
1/11/2017	177	
3/20/2017	149	
5/22/2017	119	
9/21/2017	166	
3/14/2018	139	
9/7/2018	149	
3/12/2019	143 (J)	
9/6/2019	141	
3/5/2020		143

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
3/7/2016	172 (D)	
5/9/2016	206 (D)	
7/14/2016	136 (D)	
9/12/2016	171 (D)	
10/31/2016	160 (D)	
1/11/2017	214	
3/21/2017	175 (J)	
5/22/2017	129	
9/20/2017	173	
3/14/2018	156	
9/10/2018	172	
3/12/2019	156 (J)	
9/9/2019	172	
3/4/2020		157

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
3/8/2016	207 (D)	
5/9/2016	189 (D)	
7/14/2016	193 (D)	
9/12/2016	201 (D)	
10/31/2016	215 (D)	
1/12/2017	198	
5/22/2017	197	
9/19/2017	225	
12/29/2017	198 (Y)	
3/14/2018	167	
9/10/2018	184	
3/12/2019	191 (J)	
9/6/2019	179	
3/5/2020		171

Prediction Limit

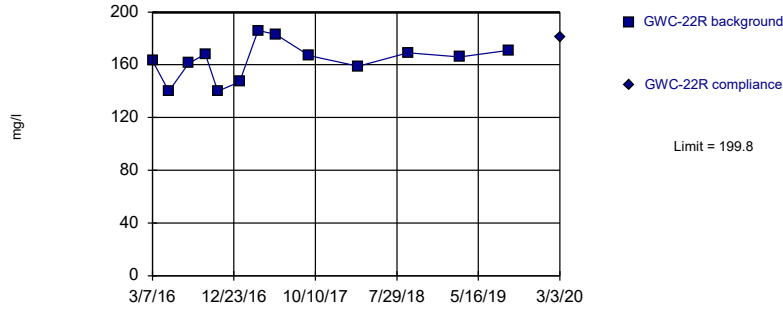
Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
3/8/2016	318 (D)	
5/9/2016	136 (D)	
7/15/2016	237 (D)	
9/9/2016	263 (D)	
10/27/2016	283 (D)	
1/12/2017	276	
3/21/2017	385	
5/23/2017	294	
9/19/2017	302	
3/14/2018	306	
9/10/2018	328	
3/11/2019	311	
9/6/2019	291	
3/3/2020		292

Within Limit

Prediction Limit
Intrawell Parametric

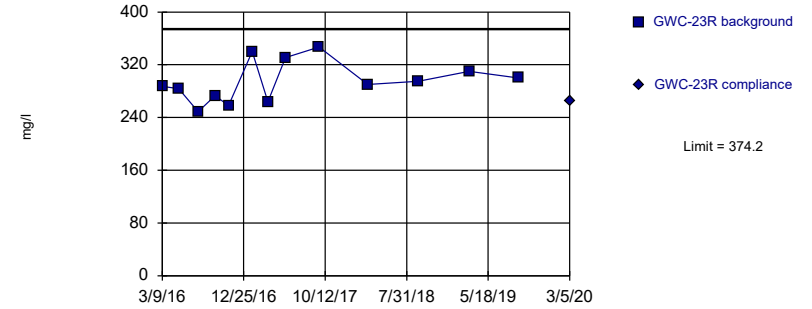


Background Data Summary: Mean=163.1, Std. Dev.=14.18, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9323, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

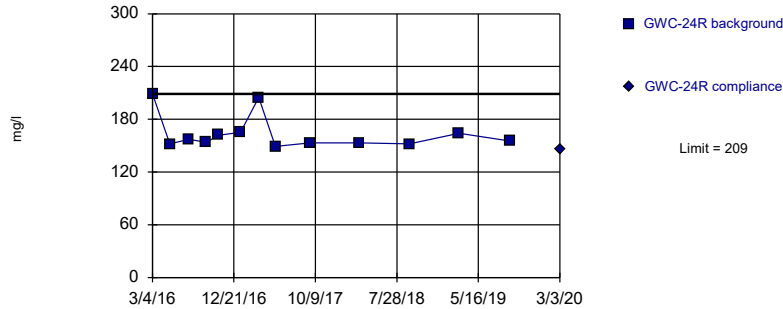


Background Data Summary: Mean=294.5, Std. Dev.=30.84, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.956, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

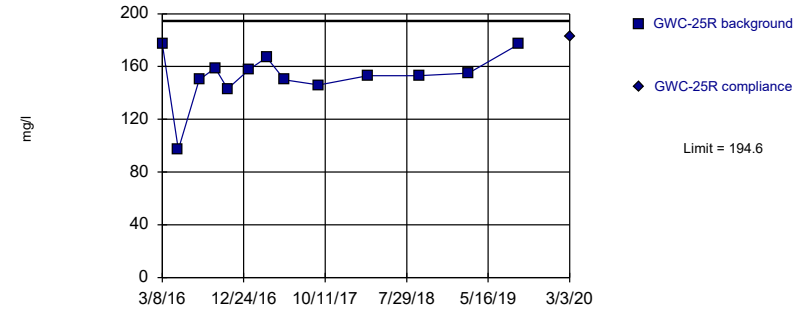


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=23678, Std. Dev.=5490, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.869, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 4/16/2020 1:03 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
3/7/2016	163 (D)	
5/5/2016	140 (D)	
7/14/2016	161 (D)	
9/12/2016	168 (D)	
10/27/2016	140 (D)	
1/13/2017	147 (J)	
3/20/2017	186	
5/23/2017	183	
9/19/2017	167	
3/13/2018	159	
9/7/2018	169	
3/11/2019	166	
9/5/2019	171	
3/3/2020		181

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
3/9/2016	287 (D)	
5/6/2016	284 (D)	
7/15/2016	249 (D)	
9/14/2016	273 (D)	
11/1/2016	258 (D)	
1/25/2017	340	
3/22/2017	264	
5/24/2017	331	
9/21/2017	347	
3/14/2018	290	
9/11/2018	295	
3/12/2019	310 (J)	
9/6/2019	300	
3/5/2020		265

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
3/4/2016	209 (D)	
5/5/2016	152 (D)	
7/12/2016	157 (D)	
9/13/2016	154 (D)	
10/27/2016	162 (D)	
1/13/2017	165	
3/20/2017	205 (J)	
5/19/2017	149	
9/19/2017	153	
3/13/2018	153	
9/11/2018	152	
3/8/2019	164	
9/5/2019	155.5 (D)	
3/3/2020		146

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/16/2020 1:05 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
3/8/2016	177 (D)	
5/4/2016	97 (D)	
7/18/2016	150 (D)	
9/13/2016	159 (D)	
10/27/2016	143 (D)	
1/13/2017	158	
3/16/2017	167	
5/19/2017	150	
9/19/2017	146	
3/13/2018	153	
9/11/2018	153	
3/8/2019	155	
9/5/2019	177	
3/3/2020		183

FIGURE G.

Appendix III Interwell Prediction Limits Summary Table - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 4/15/2020, 10:53 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Calcium (mg/L)	GWC-16R	48.7	n/a	3/4/2020	60.6	Yes	168	n/a	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	48.7	n/a	3/5/2020	71.4	Yes	168	n/a	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	48.7	n/a	3/3/2020	70.2	Yes	168	n/a	n/a	0	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	48.7	n/a	3/5/2020	63.7	Yes	168	n/a	n/a	0	n/a	0.00007003	NP (normality) 1 of 2

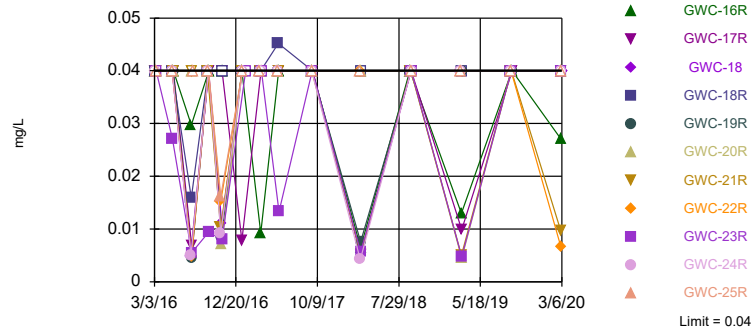
Appendix III Interwell Prediction Limits Summary Table - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 4/15/2020, 10:53 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg	Mean	Std. Dev.	%NDs	ND Adj.	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	3/4/2020	0.027	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	3/5/2020	0.04ND	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	3/6/2020	0.04ND	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	3/5/2020	0.04ND	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	3/4/2020	0.04ND	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	3/5/2020	0.04ND	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	3/3/2020	0.0096	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	3/3/2020	0.0066	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	3/5/2020	0.04ND	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	3/3/2020	0.04ND	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	3/3/2020	0.04ND	No	168	n/a	n/a	n/a	64.88	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	48.7	n/a	3/4/2020	60.6	Yes	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	48.7	n/a	3/5/2020	71.4	Yes	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18	48.7	n/a	3/6/2020	23.5	No	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18R	48.7	n/a	3/5/2020	32	No	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-19R	48.7	n/a	3/4/2020	34	No	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-20R	48.7	n/a	3/5/2020	38.9	No	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	48.7	n/a	3/3/2020	70.2	Yes	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-22R	48.7	n/a	3/3/2020	37.2	No	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	48.7	n/a	3/5/2020	63.7	Yes	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-24R	48.7	n/a	3/3/2020	33.3	No	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Calcium (mg/L)	GWC-25R	48.7	n/a	3/3/2020	37.6	No	168	n/a	n/a	n/a	0	n/a	n/a	0.00007003	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	3/4/2020	0.29	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	3/5/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	3/6/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	3/5/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	3/4/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	3/5/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	3/3/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	3/3/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	3/5/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	3/3/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	3/3/2020	0.3ND	No	168	n/a	n/a	n/a	52.38	n/a	n/a	0.00007003	NP (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

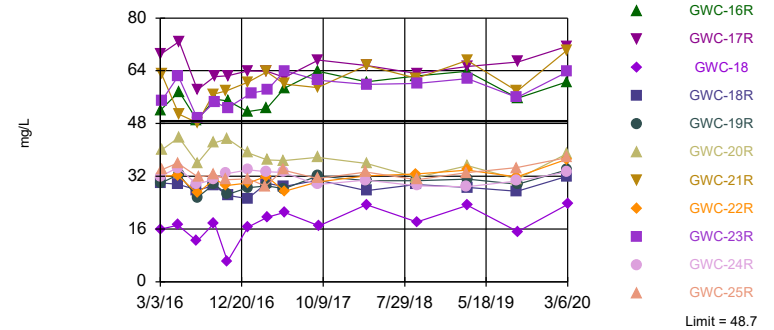


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 168 background values. 64.88% NDs. Annual per-constituent alpha = 0.00154. Individual comparison alpha = 0.00007003 (1 of 2). Comparing 11 points to limit.

Constituent: Boron Analysis Run 4/15/2020 10:52 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit: GWC-16R, GWC-17R, GWC-21R, GWC-23R

Prediction Limit
Interwell Non-parametric

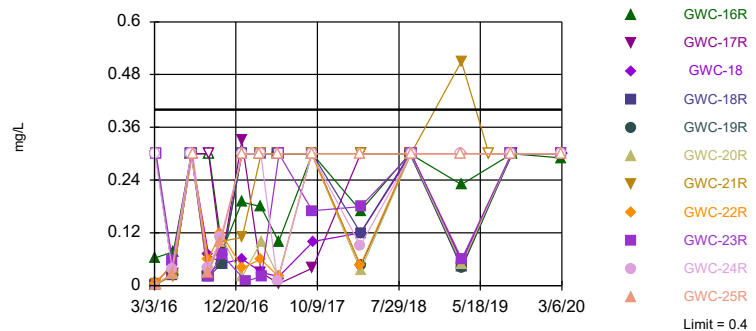


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 168 background values. Annual per-constituent alpha = 0.00154. Individual comparison alpha = 0.00007003 (1 of 2). Comparing 11 points to limit.

Constituent: Calcium Analysis Run 4/15/2020 10:52 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 168 background values. 52.38% NDs. Annual per-constituent alpha = 0.00154. Individual comparison alpha = 0.00007003 (1 of 2). Comparing 11 points to limit.

Constituent: Fluoride Analysis Run 4/15/2020 10:52 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/15/2020 10:53 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWC-16R	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	<0.04	<0.04 (D)	<0.04						
3/4/2016				<0.04	<0.04				
3/7/2016						<0.04	<0.04	<0.04	<0.04
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016			<0.04						
5/4/2016									
5/5/2016					<0.04	<0.04	<0.04	<0.04	
5/6/2016									
5/9/2016	<0.04								<0.04
5/10/2016		<0.04		<0.04					
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016	0.0128 (J)		0.0047 (J)						
7/12/2016					0.005 (J)				
7/13/2016		0.0297 (J)				0.0047 (J)		0.0159 (J)	
7/14/2016				0.0069 (J)			0.0047 (J)		0.0045 (J)
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016	0.0158 (J)		<0.04						
9/12/2016							<0.04	<0.04	<0.04
9/13/2016					<0.04	<0.04			
9/14/2016				<0.04					
9/15/2016		<0.04							
10/25/2016									
10/26/2016	0.0257 (J)								
10/27/2016			0.0108 (J)		0.0093 (J)		0.0153 (J)		
10/31/2016						0.0111 (J)			0.0086 (J)
11/1/2016				<0.04				<0.04	
11/2/2016		<0.04							
1/5/2017									
1/6/2017									
1/9/2017	0.0219 (J)		<0.04						
1/11/2017		<0.04		0.0078 (J)				<0.04	<0.04
1/12/2017						<0.04			
1/13/2017					<0.04		<0.04		
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017	0.0253 (J)								
3/16/2017			<0.04						
3/20/2017		0.0092 (J)			<0.04		<0.04	<0.04	
3/21/2017				<0.04					<0.04
3/22/2017									
3/23/2017						<0.04			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/15/2020 10:53 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWC-16R	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R
5/16/2017									
5/17/2017									
5/18/2017	0.0249 (J)		<0.04						
5/19/2017					<0.04				
5/22/2017								0.0452	<0.04 (*)
5/23/2017		<0.04 (*)		<0.04		<0.04	<0.04		
5/24/2017									
7/19/2017									
9/15/2017	<0.04 (*)								
9/18/2017			<0.04						
9/19/2017					<0.04		<0.04		
9/20/2017									<0.04 (*)
9/21/2017		<0.04						<0.04	
9/22/2017				<0.04					
9/25/2017						<0.04			
3/12/2018			0.0041 (J)						
3/13/2018	0.024 (J)				0.0042 (J)		<0.04		
3/14/2018		0.0065 (J)		0.0051 (J)		<0.04		<0.04	0.0076 (J)
9/6/2018									
9/7/2018	0.024 (J)	<0.04	<0.04				<0.04	<0.04	
9/10/2018									<0.04
9/11/2018				<0.04	<0.04	<0.04			
3/6/2019									
3/7/2019	0.02 (X)		<0.04						
3/8/2019					<0.04				
3/11/2019		0.013 (X)					<0.04		
3/12/2019				0.0099 (X)		<0.04		<0.04	<0.04
9/4/2019	0.015 (X)								
9/5/2019			<0.04		<0.04		<0.04		
9/6/2019								<0.04	
9/9/2019		<0.04				<0.04			<0.04
9/10/2019				<0.04					
3/2/2020									
3/3/2020					<0.04		0.0066 (J)		
3/4/2020	0.022 (J)	0.027 (J)	0.0063 (J)						<0.04
3/5/2020				<0.04				<0.04	
3/6/2020						<0.04			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/15/2020 10:53 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51R_51RZ ...
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016					
3/7/2016					
3/8/2016	<0.04	<0.04	<0.04		
3/9/2016				<0.04	
5/2/2016					
5/3/2016					
5/4/2016	<0.04				<0.04 (D)
5/5/2016					
5/6/2016				0.0271 (J)	
5/9/2016		<0.04	<0.04		
5/10/2016					
7/6/2016					
7/7/2016					0.0096 (JD)
7/8/2016					
7/11/2016					
7/12/2016					
7/13/2016					
7/14/2016		<0.04			
7/15/2016			<0.04	0.0055 (J)	
7/18/2016	<0.04				
9/7/2016					
9/8/2016					0.0137 (JD)
9/9/2016			<0.04		
9/12/2016		<0.04			
9/13/2016	<0.04				
9/14/2016				0.0094 (J)	
9/15/2016					
10/25/2016					
10/26/2016					0.0247 (JD)
10/27/2016	0.0162 (J)		0.0103 (J)		
10/31/2016		0.007 (J)			
11/1/2016				0.008 (J)	
11/2/2016					
1/5/2017					
1/6/2017					0.0082 (JD)
1/9/2017					
1/11/2017					
1/12/2017		<0.04	<0.04		
1/13/2017	<0.04				
1/25/2017				<0.04	
2/9/2017					
3/14/2017					
3/15/2017					<0.04 (D)
3/16/2017	<0.04				
3/20/2017					
3/21/2017			<0.04		
3/22/2017		<0.04		<0.04	
3/23/2017					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/15/2020 10:53 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51R_51RZ ...
5/16/2017					
5/17/2017					
5/18/2017					0.0076 (JD)
5/19/2017	<0.04				
5/22/2017		<0.04 (*)			
5/23/2017			<0.04 (*)		
5/24/2017				0.0133 (J)	
7/19/2017					0.0193 (JD)
9/15/2017					
9/18/2017					
9/19/2017	<0.04	<0.04	<0.04		0.0132 (JD)
9/20/2017					
9/21/2017				<0.04 (*)	
9/22/2017					
9/25/2017					
3/12/2018					
3/13/2018	<0.04				0.013 (J)
3/14/2018		<0.04	0.0053 (J)	0.0056 (J)	
9/6/2018					
9/7/2018					<0.04
9/10/2018		<0.04	<0.04		
9/11/2018	<0.04			<0.04	
3/6/2019					
3/7/2019					
3/8/2019	<0.04				0.0085 (X)
3/11/2019			0.005 (X)		
3/12/2019		0.0045 (X)		0.0047 (X)	
9/4/2019					0.01 (X)
9/5/2019	<0.04				
9/6/2019		<0.04	<0.04	<0.04	
9/9/2019					
9/10/2019					
3/2/2020					
3/3/2020	<0.04		0.0096 (J)		0.0096 (J)
3/4/2020					
3/5/2020		<0.04		<0.04	
3/6/2020					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/15/2020 10:53 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWC-16R	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	36	52 (D)	36						
3/4/2016				69	32				
3/7/2016						16	32	30	30
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016			39.1						
5/4/2016									
5/5/2016					34.6	17.2	32.2	29.6	
5/6/2016									
5/9/2016	39								32.6
5/10/2016		57.6		72.9					
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016	35.7		31.6						
7/12/2016					29.6				
7/13/2016		49				12.3		27.8	
7/14/2016				58.2			26.8		25.6
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016	32		29.8						
9/12/2016							31.1	29.1	29.6
9/13/2016					31.1	17.8			
9/14/2016				62.2					
9/15/2016		55.4							
10/25/2016									
10/26/2016	28.5								
10/27/2016			28.9		32.8		29.2		
10/31/2016						6.22			26.5
11/1/2016				62.5				26.2	
11/2/2016		54.8							
1/5/2017									
1/6/2017									
1/9/2017	27.5		27.9						
1/11/2017		51.6		63.9				25.2	28.5
1/12/2017						16.6			
1/13/2017					34		30		
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017	24.8								
3/16/2017			28.2						
3/20/2017		52.5			33.4		32	29.9	
3/21/2017				63.8					29.1
3/22/2017									
3/23/2017						19.6			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/15/2020 10:53 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWC-16R	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R
5/16/2017									
5/17/2017									
5/18/2017	26.9		31.3						
5/19/2017					33.2				
5/22/2017								28.9	28.2
5/23/2017		58.7		62		21	27.5		
5/24/2017									
7/19/2017									
9/15/2017	19.6								
9/18/2017			29.7						
9/19/2017					29.5		30.3		
9/20/2017									32.1
9/21/2017		63.8						30.8	
9/22/2017				67.2					
9/25/2017						17			
3/12/2018			38.2						
3/13/2018	26				30.8		32.1		
3/14/2018		60.6		65.6		23.4 (J)		27.6	30.7
9/6/2018									
9/7/2018	25.1	62.4	40.3				32.7	29.5	
9/10/2018									30.7
9/11/2018				63.2	29.1	18.1 (J)			
3/6/2019									
3/7/2019	33.3		40.4						
3/8/2019					28.8				
3/11/2019		63.8					33.9		
3/12/2019				65.3		23.2 (X)		28.6	31.1
9/4/2019	31.6								
9/5/2019			34.6		30.6		31.8		
9/6/2019								27.5	
9/9/2019		55.7				15.2			29.6
9/10/2019				66.7					
3/2/2020									
3/3/2020					33.3		37.2		
3/4/2020	38	60.6	39.9						34
3/5/2020				71.4				32	
3/6/2020						23.5			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/15/2020 10:53 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51R_51RZ ...
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016					
3/7/2016					
3/8/2016	34	40	63		
3/9/2016				55	
5/2/2016					
5/3/2016					
5/4/2016	36				43.4 (D)
5/5/2016					
5/6/2016				62.4	
5/9/2016		43.8	50.8		
5/10/2016					
7/6/2016					
7/7/2016					40.1 (D)
7/8/2016					
7/11/2016					
7/12/2016					
7/13/2016					
7/14/2016		36			
7/15/2016			48.2	49.5	
7/18/2016	31.7				
9/7/2016					
9/8/2016					37.1 (D)
9/9/2016			56.9		
9/12/2016		42.1			
9/13/2016	32.5				
9/14/2016				54.4	
9/15/2016					
10/25/2016					
10/26/2016					38.8 (D)
10/27/2016	30.9		57.9		
10/31/2016		43.4			
11/1/2016				52.8	
11/2/2016					
1/5/2017					
1/6/2017					39.6 (D)
1/9/2017					
1/11/2017					
1/12/2017		39.1	60.5		
1/13/2017	31.2				
1/25/2017				57.2	
2/9/2017					
3/14/2017					
3/15/2017					36.1 (D)
3/16/2017	29				
3/20/2017					
3/21/2017			63.7		
3/22/2017		37		58.1	
3/23/2017					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/15/2020 10:53 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51R_51RZ ...
5/16/2017					
5/17/2017					
5/18/2017					40.1 (D)
5/19/2017	33.9				
5/22/2017		36.8			
5/23/2017			60		
5/24/2017				64	
7/19/2017					46.9 (D)
9/15/2017					
9/18/2017					
9/19/2017	31.3	37.7	58.9		47.7 (D)
9/20/2017					
9/21/2017				61.1	
9/22/2017					
9/25/2017					
3/12/2018					
3/13/2018	33.3				46.1 (D)
3/14/2018		35.9	65.6	59.9	
9/6/2018					
9/7/2018					44.2
9/10/2018		31.6	61.7		
9/11/2018	30.9			60.2	
3/6/2019					
3/7/2019					
3/8/2019	33.1				46.6
3/11/2019			67.1		
3/12/2019		35.2		61.6	
9/4/2019					40.7
9/5/2019	34.6				
9/6/2019		31.1	57.8	55.9	
9/9/2019					
9/10/2019					
3/2/2020					
3/3/2020	37.6		70.2		47.6
3/4/2020					
3/5/2020		38.9		63.7	
3/6/2020					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/15/2020 10:54 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWC-16R	GWA-55R (bg)	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R	GWC-25R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	0.1143 (J)	0.06259 (JD)	0.0392 (J)						
3/4/2016				<0.3					
3/7/2016					0.00526 (J)	0.00623 (J)	<0.3	0.00232 (J)	
3/8/2016									0.00246 (J)
3/9/2016									
5/2/2016									
5/3/2016			0.058 (J)						
5/4/2016									0.027 (J)
5/5/2016				0.039 (J)	0.049 (J)	0.045 (J)		0.025 (J)	
5/6/2016									
5/9/2016	0.0383 (J)						0.0246 (J)		
5/10/2016		0.0767 (J)							
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016	<0.3 (*)		<0.3 (*)						
7/12/2016				<0.3 (*)					
7/13/2016		<0.3				<0.3 (*)		<0.3	
7/14/2016					<0.3		<0.3		
7/15/2016									
7/18/2016									<0.3
9/7/2016									
9/8/2016									
9/9/2016	0.1 (J)		0.02 (J)						
9/12/2016					0.06 (J)		0.03 (J)	0.02 (J)	
9/13/2016				0.04 (J)		0.07 (J)			0.03 (J)
9/14/2016									
9/15/2016		<0.3							
10/25/2016									
10/26/2016	0.2 (J)								
10/27/2016			0.12 (J)	0.11 (J)	0.12 (J)				0.1 (J)
10/31/2016						0.05 (J)	0.05 (J)		
11/1/2016								0.05 (J)	
11/2/2016		0.08 (J)							
1/5/2017									
1/6/2017									
1/9/2017	0.26 (J)		0.06 (J)						
1/11/2017		0.19 (J)					<0.3	<0.3	
1/12/2017						0.06 (J)			
1/13/2017				<0.3	0.04 (J)				<0.3
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017	0.19 (J)								
3/16/2017			0.08 (J)						<0.3
3/20/2017		0.18 (J)		<0.3	0.06 (J)			<0.3	
3/21/2017							<0.3		
3/22/2017									
3/23/2017						0.03 (J)			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/15/2020 10:54 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWC-16R	GWA-55R (bg)	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R	GWC-25R
5/16/2017									
5/17/2017									
5/18/2017	0.19 (J)		0.04 (J)						
5/19/2017				0.01 (J)					<0.3
5/22/2017							<0.3	<0.3	
5/23/2017		0.1 (J)			0.02 (J)	0.02 (J)			
5/24/2017									
7/19/2017									
9/15/2017	0.24 (J)								
9/18/2017			<0.3						
9/19/2017				<0.3	<0.3				<0.3
9/20/2017							<0.3		
9/21/2017		<0.3						<0.3	
9/22/2017									
9/25/2017						0.1 (J)			
3/12/2018			<0.3						
3/13/2018	0.4			0.091 (J)	0.046 (J)				<0.3
3/14/2018		0.17 (J)				0.12 (J)	0.045 (J)	0.12 (J)	
9/6/2018									
9/7/2018	0.14 (J)	<0.3	<0.3		<0.3			<0.3	
9/10/2018							<0.3		
9/11/2018				<0.3		<0.3			<0.3
3/6/2019									
3/7/2019	0.089 (X)		<0.3						
3/8/2019				<0.3					<0.3
3/11/2019		0.23 (X)			<0.3				
3/12/2019						0.05 (X)	0.04 (X)	0.042 (X)	
6/18/2019									
9/4/2019	0.11 (X)								
9/5/2019			<0.3	<0.3	<0.3				<0.3
9/6/2019								<0.3	
9/9/2019		<0.3				<0.3	<0.3		
9/10/2019									
3/2/2020									
3/3/2020				<0.3	<0.3				<0.3
3/4/2020	0.086 (J)	0.29 (J)	<0.3				<0.3		
3/5/2020								<0.3	
3/6/2020						<0.3			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/15/2020 10:54 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-20R	GWC-23R	GWA-51R_51RZ ... GWC-17R
2/29/2016				
3/1/2016				
3/2/2016				
3/3/2016				
3/4/2016				2.1421 (Jo)
3/7/2016				
3/8/2016	0.00287 (J)	0.00425 (J)		
3/9/2016			<0.3	
5/2/2016				
5/3/2016				
5/4/2016				0.057 (JD)
5/5/2016				
5/6/2016			0.056 (J)	
5/9/2016	0.0222 (J)	0.0259 (J)		
5/10/2016				0.0258 (J)
7/6/2016				
7/7/2016				0.09 (JD)
7/8/2016				
7/11/2016				
7/12/2016				
7/13/2016				
7/14/2016		<0.3		<0.3
7/15/2016	<0.3		<0.3	
7/18/2016				
9/7/2016				
9/8/2016				0.03 (JD)
9/9/2016	0.03 (J)			
9/12/2016		0.03 (J)		
9/13/2016				
9/14/2016			0.02 (J)	<0.3
9/15/2016				
10/25/2016				
10/26/2016				0.15 (JD)
10/27/2016	0.1 (J)			
10/31/2016		0.11 (J)		
11/1/2016			0.07 (J)	0.06 (J)
11/2/2016				
1/5/2017				
1/6/2017				0.11 (JD)
1/9/2017				
1/11/2017				0.33
1/12/2017	0.11 (J)	0.02 (J)		
1/13/2017				
1/25/2017			0.01 (J)	
2/9/2017				
3/14/2017				
3/15/2017				0.004 (JD)
3/16/2017				
3/20/2017				
3/21/2017	<0.3			0.03 (J)
3/22/2017		0.1 (J)	0.02 (J)	
3/23/2017				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/15/2020 10:54 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-20R	GWC-23R	GWA-51R_51RZ ...	GWC-17R
5/16/2017					
5/17/2017					
5/18/2017				0.007 (JD)	
5/19/2017					
5/22/2017		0.02 (J)			
5/23/2017	<0.3				0.004 (J)
5/24/2017			<0.3		
7/19/2017				0.12 (JD)	
9/15/2017					
9/18/2017					
9/19/2017	<0.3	<0.3		0.07 (JD)	
9/20/2017					
9/21/2017			0.17 (J)		
9/22/2017					0.04 (J)
9/25/2017					
3/12/2018					
3/13/2018				0.16 (J)	
3/14/2018	<0.3	0.035 (J)	0.18 (J)		<0.3
9/6/2018					
9/7/2018				<0.3	
9/10/2018	<0.3	<0.3			
9/11/2018			<0.3		<0.3
3/6/2019					
3/7/2019					
3/8/2019				0.075 (X)	
3/11/2019	0.51				
3/12/2019		0.048 (X)	0.06 (X)		0.056 (X)
6/18/2019	<0.3				
9/4/2019				<0.3	
9/5/2019					
9/6/2019	<0.3	<0.3	<0.3		
9/9/2019					
9/10/2019					<0.3
3/2/2020					
3/3/2020	<0.3			<0.3	
3/4/2020					
3/5/2020		<0.3	<0.3		<0.3
3/6/2020					

FIGURE H.

Trend Tests Summary Table - Appendix III - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/15/2020, 2:22 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWA-36 (bg)	-2.355	-60	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-37 (bg)	-0.05434	-68	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-36R (bg)	-0.1603	-49	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-37 (bg)	-0.1106	-58	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-54 (bg)	-0.1941	-63	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.4336	-70	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.124	-58	-44	Yes	14	14.29	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.402	-83	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-21R	1.604	56	44	Yes	14	7.143	n/a	n/a	0.02	NP

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ATTORNEY-CLIENT PRIVILEGED
PREPARED IN ANTICIPATION OF LITIGATION

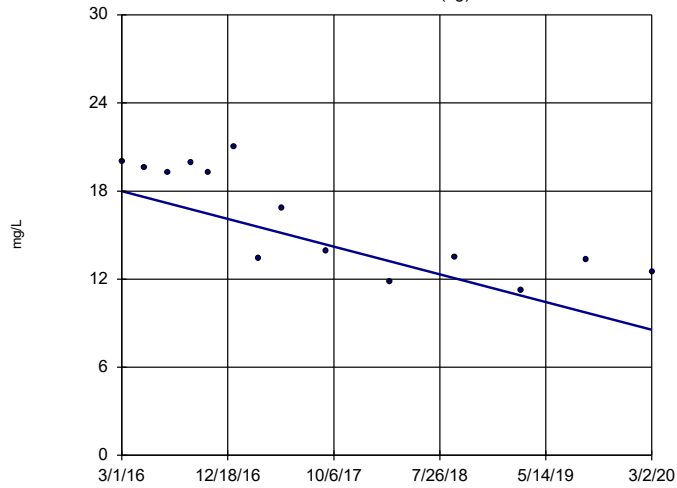
Trend Tests Summary Table - Appendix III - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 4/15/2020, 2:22 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWA-36 (bg)	-2.355	-60	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-36R (bg)	-0.5553	-24	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-37 (bg)	-0.05434	-68	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-38 (bg)	0.1249	5	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-51RZ (bg)	2.285	36	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-52 (bg)	0.2011	10	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-53 (bg)	0	-1	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-53R (bg)	0.1594	6	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-54 (bg)	-0.3479	-16	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-55 (bg)	2.414	32	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-55R (bg)	1.461	21	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-56 (bg)	-1.814	-25	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-16R	2.861	43	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-17R	1.187	19	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-21R	3.089	41	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-23R	2.072	35	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-36 (bg)	-0.08208	-28	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-36R (bg)	-0.1603	-49	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-37 (bg)	-0.1106	-58	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-38 (bg)	0.09706	34	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-51RZ (bg)	0.05993	5	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-52 (bg)	0.0005895	6	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-53 (bg)	-0.05935	-22	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-53R (bg)	-0.06331	-25	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-54 (bg)	-0.1941	-63	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-55 (bg)	0	4	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-55R (bg)	0.08548	30	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-56 (bg)	0	0	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.4336	-70	-44	Yes	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-36R (bg)	0.4815	21	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.124	-58	-44	Yes	14	14.29	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.3068	-33	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.828	42	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-52 (bg)	0.5794	11	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.0671	-30	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.06734	-23	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.402	-83	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-55 (bg)	1.076	7	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-55R (bg)	1.394	40	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-56 (bg)	5.378	17	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-21R	1.604	56	44	Yes	14	7.143	n/a	n/a	0.02	NP

Sen's Slope Estimator

GWA-36 (bg)

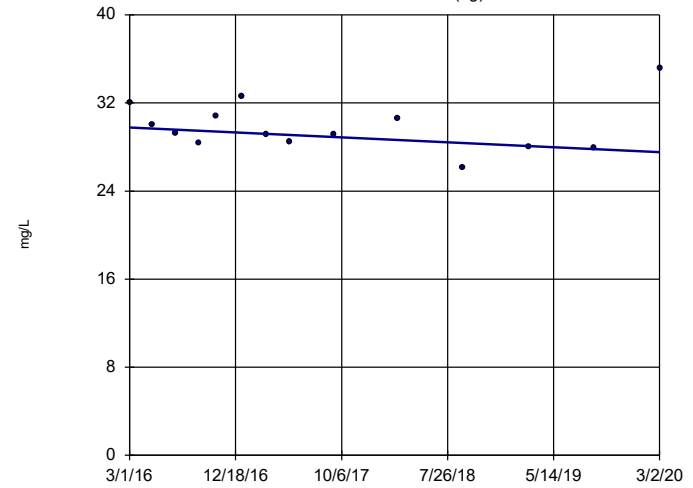


n = 14
 Slope = -2.355
 units per year.
 Mann-Kendall
 statistic = -60
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-36R (bg)

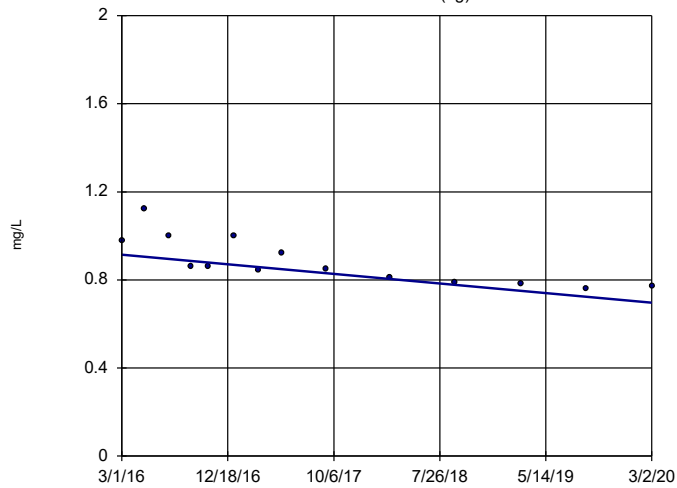


n = 14
 Slope = -0.5553
 units per year.
 Mann-Kendall
 statistic = -24
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-37 (bg)

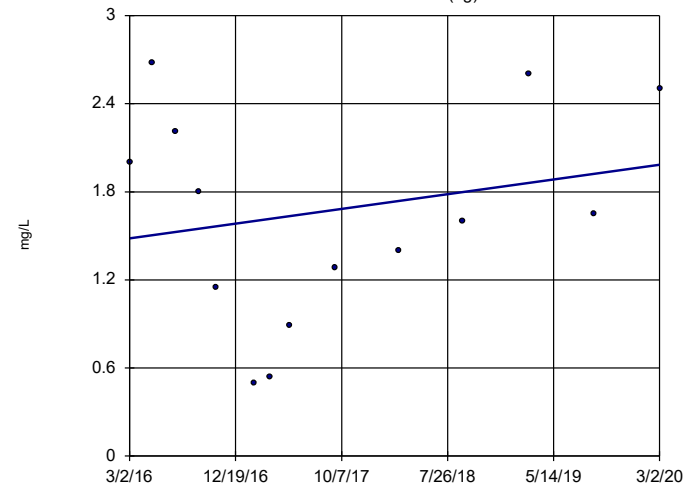


n = 14
 Slope = -0.05434
 units per year.
 Mann-Kendall
 statistic = -68
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-38 (bg)

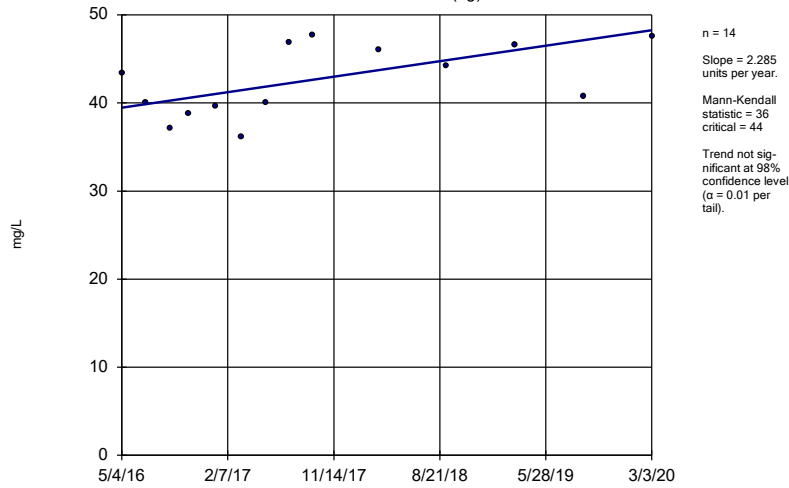


n = 14
 Slope = 0.1249
 units per year.
 Mann-Kendall
 statistic = 5
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

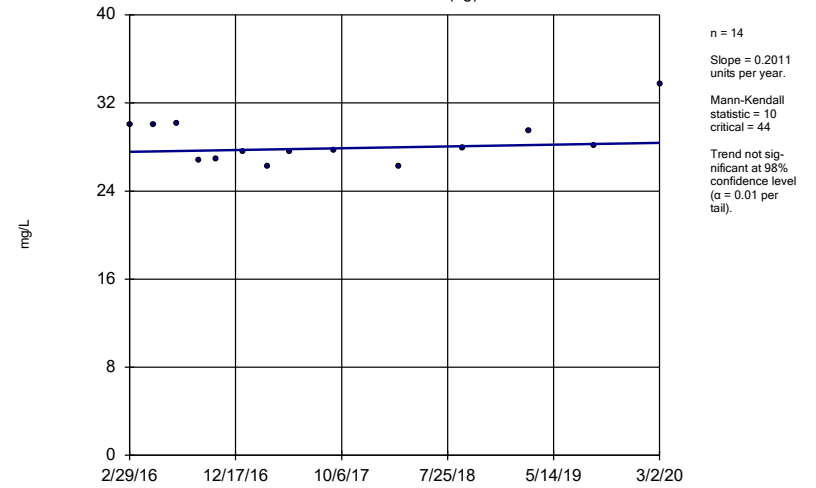
GWA-51RZ (bg)



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

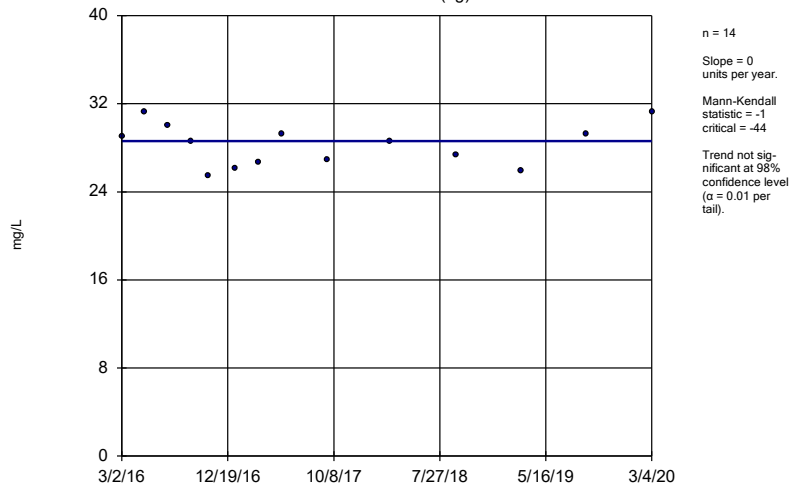
GWA-52 (bg)



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

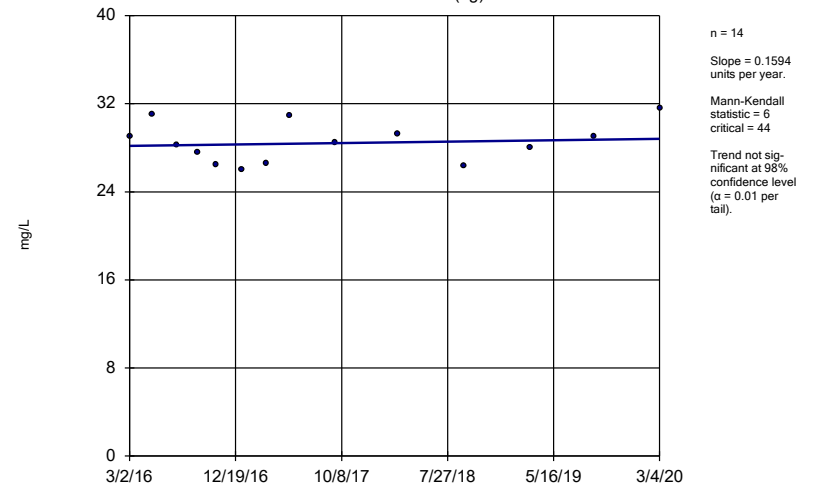
GWA-53 (bg)



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

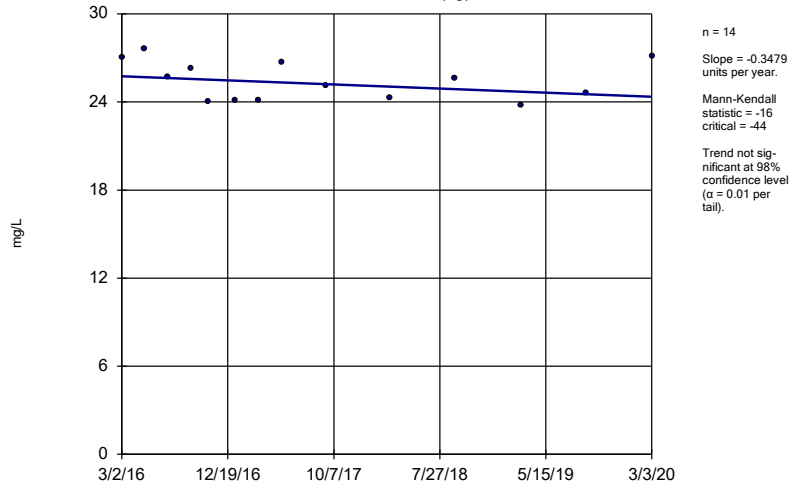
GWA-53R (bg)



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

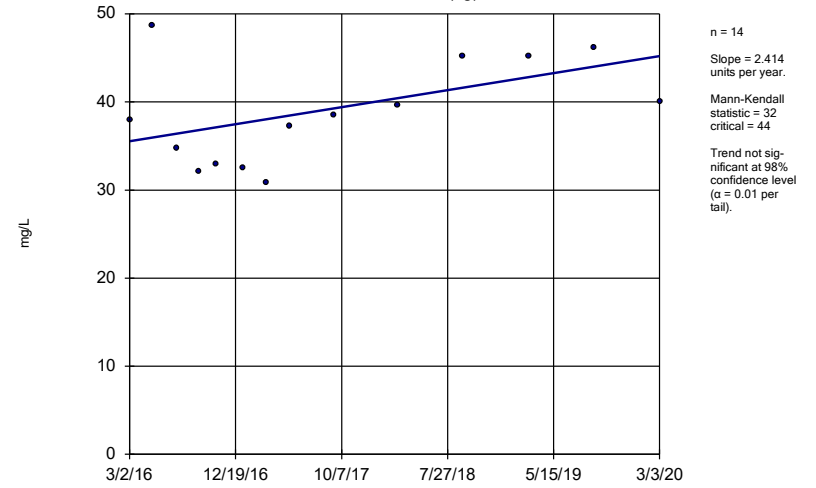
GWA-54 (bg)



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

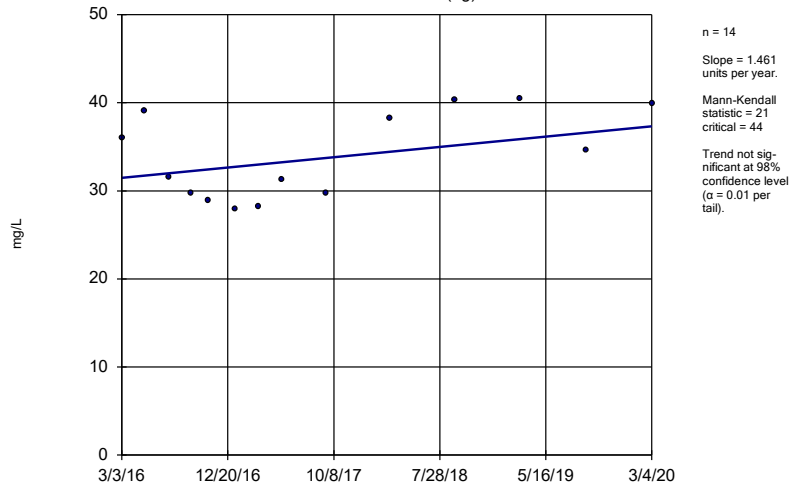
GWA-55 (bg)



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

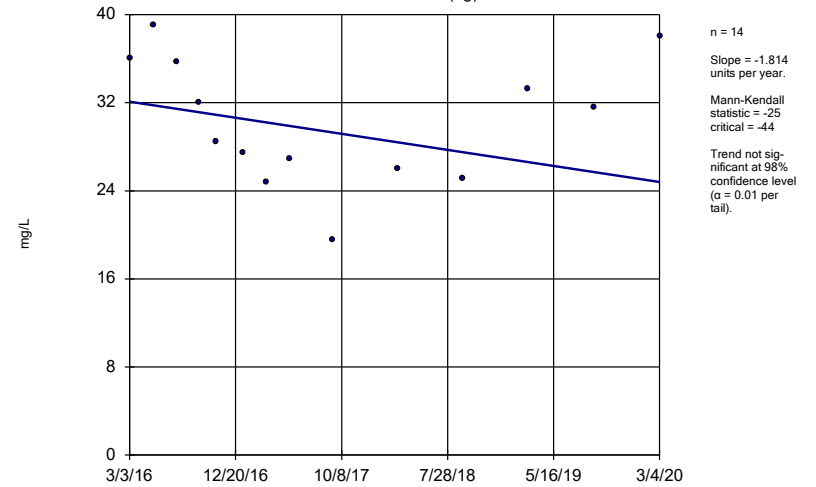
GWA-55R (bg)



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

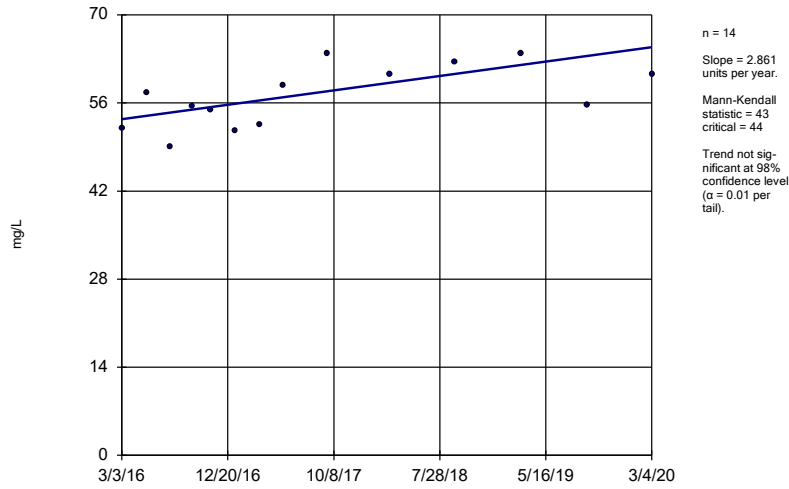
GWA-56 (bg)



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

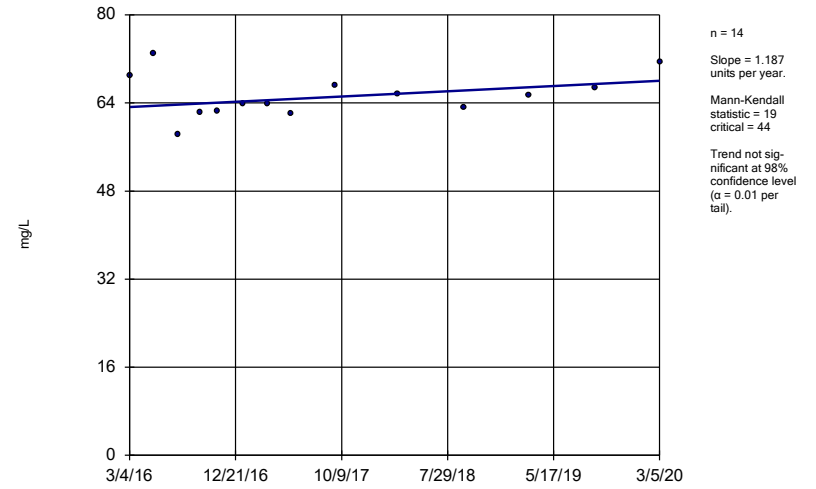
GWC-16R



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

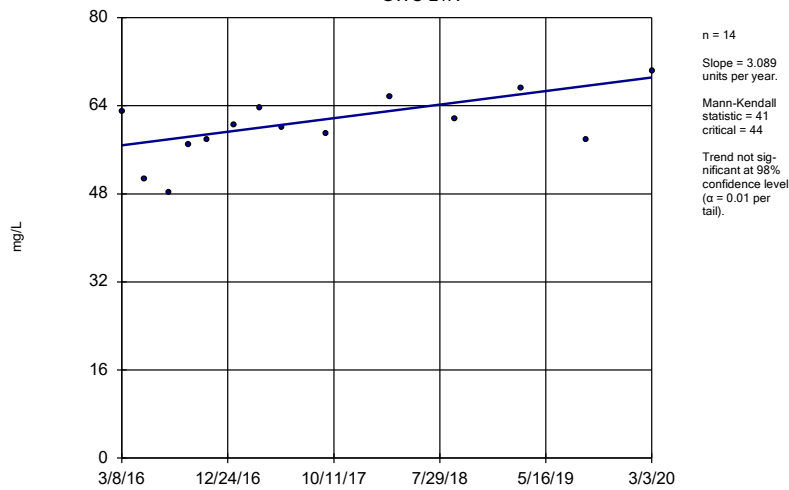
GWC-17R



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

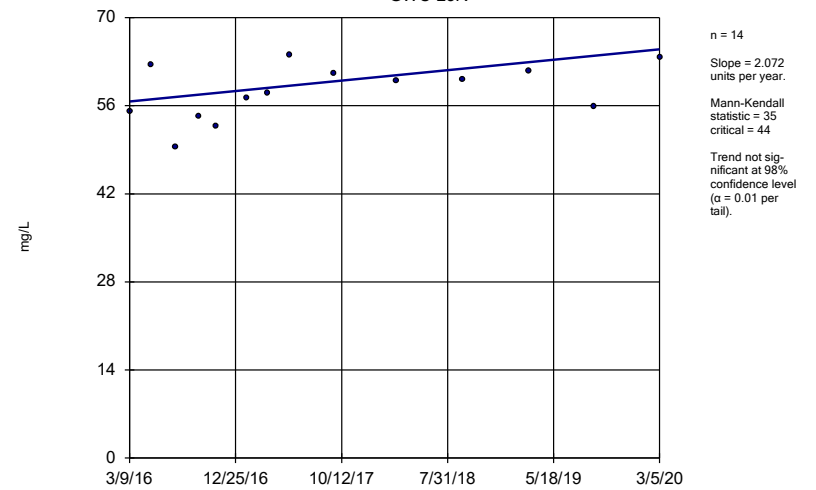
GWC-21R



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

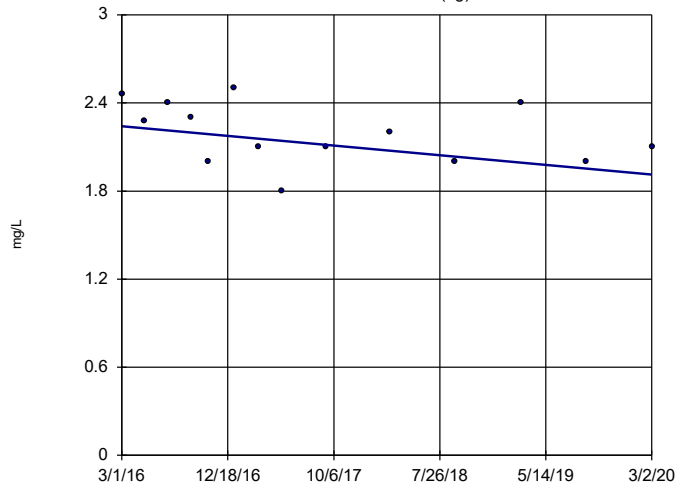
GWC-23R



Constituent: Calcium Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-36 (bg)

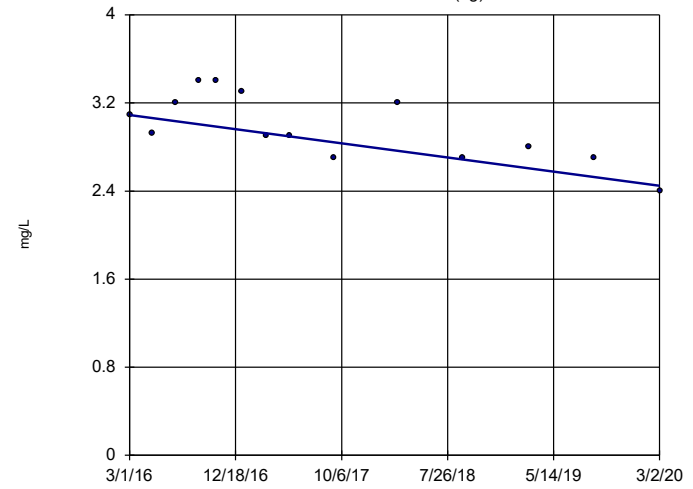


n = 14
 Slope = -0.08208
 units per year.
 Mann-Kendall
 statistic = -28
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 (alpha = 0.01 per
 tail).

Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-36R (bg)

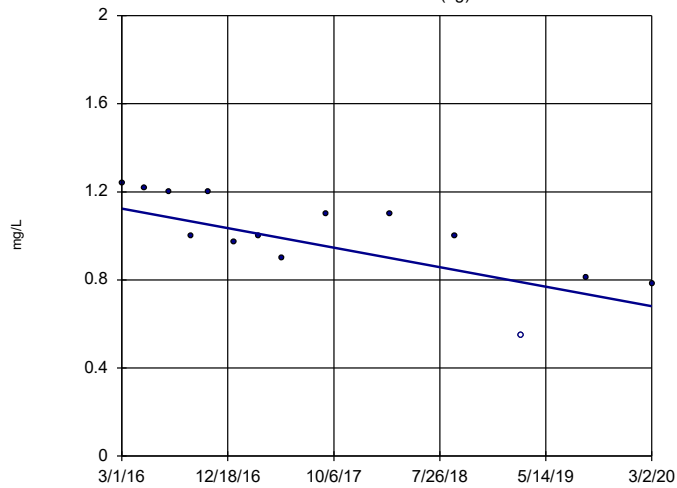


n = 14
 Slope = -0.1603
 units per year.
 Mann-Kendall
 statistic = -49
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 (alpha = 0.01 per
 tail).

Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-37 (bg)

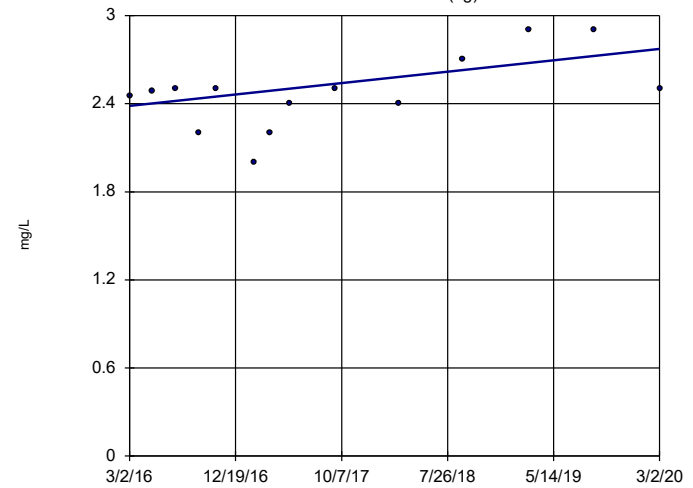


n = 14
 Slope = -0.1106
 units per year.
 Mann-Kendall
 statistic = -58
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 (alpha = 0.01 per
 tail).

Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

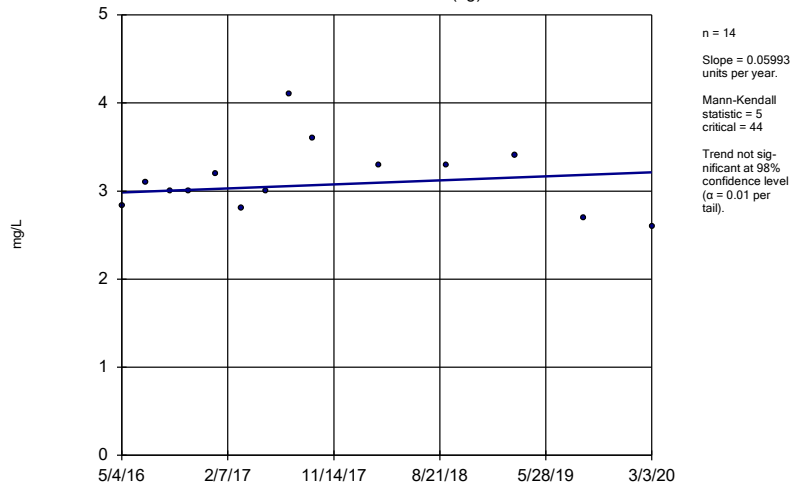
GWA-38 (bg)



n = 14
 Slope = 0.09706
 units per year.
 Mann-Kendall
 statistic = 34
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 (alpha = 0.01 per
 tail).

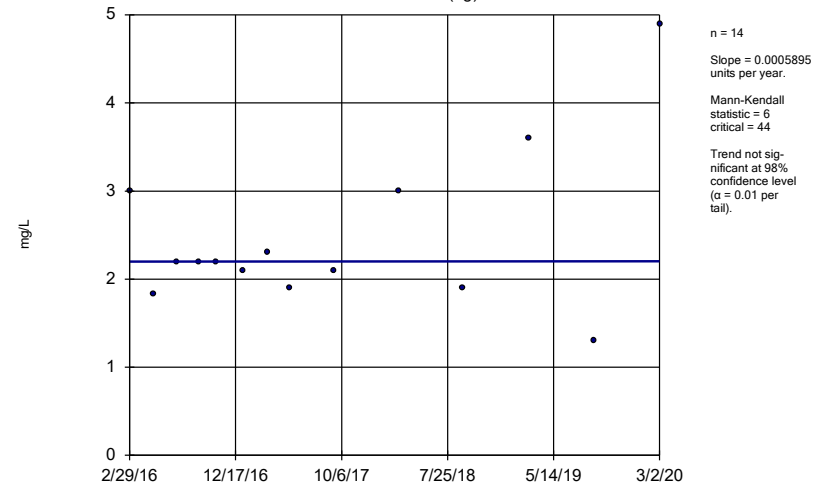
Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-51RZ (bg)



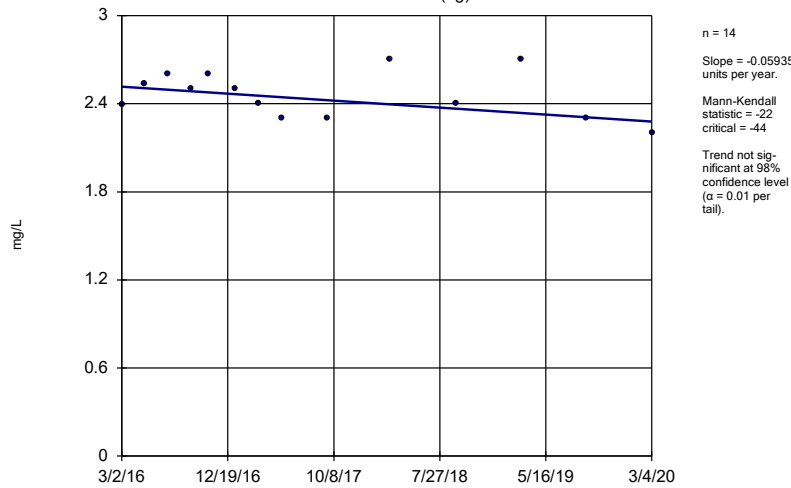
Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-52 (bg)



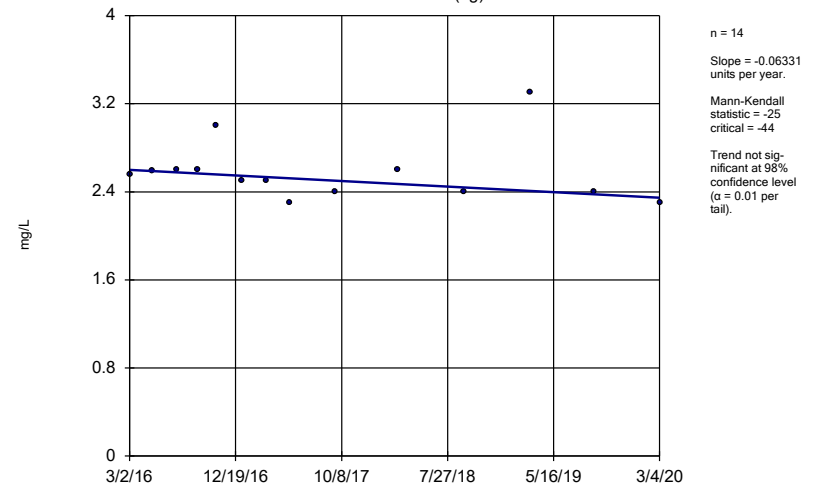
Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-53 (bg)



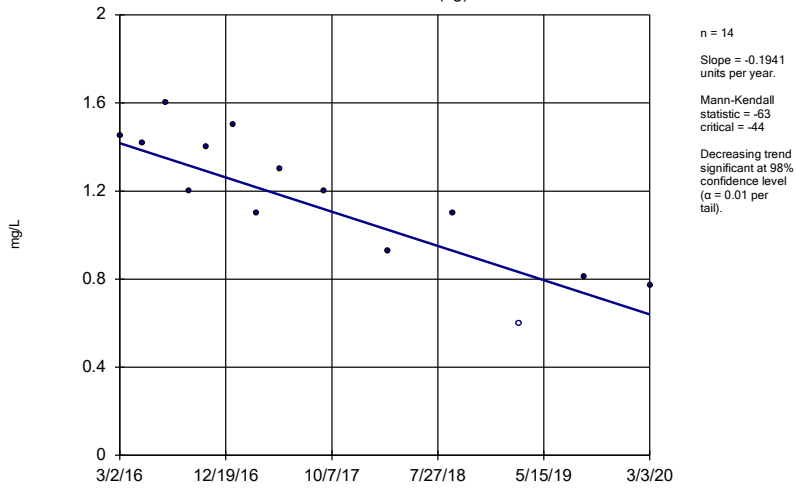
Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-53R (bg)



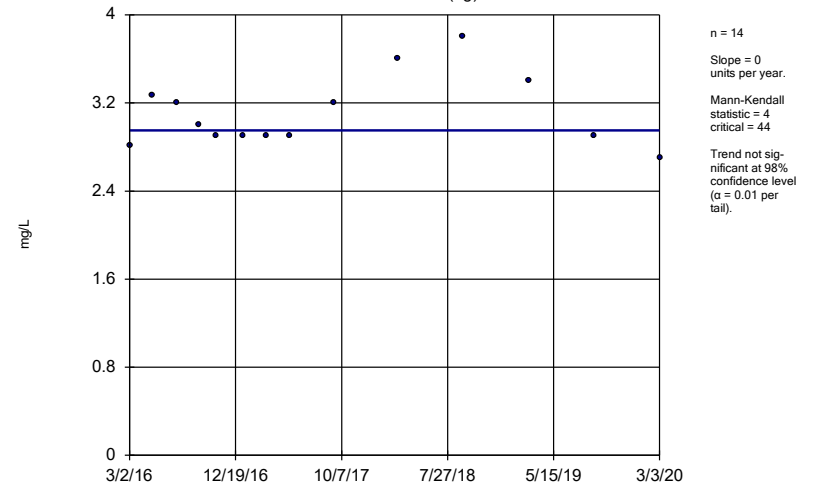
Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-54 (bg)



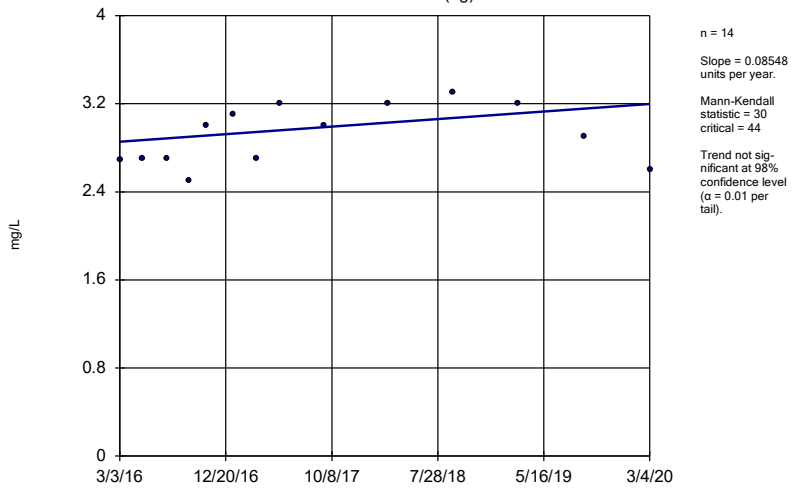
Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-55 (bg)



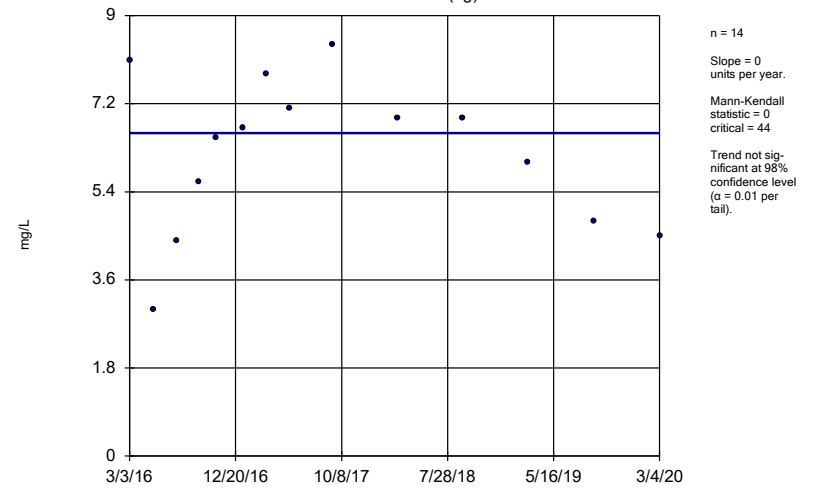
Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-55R (bg)



Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

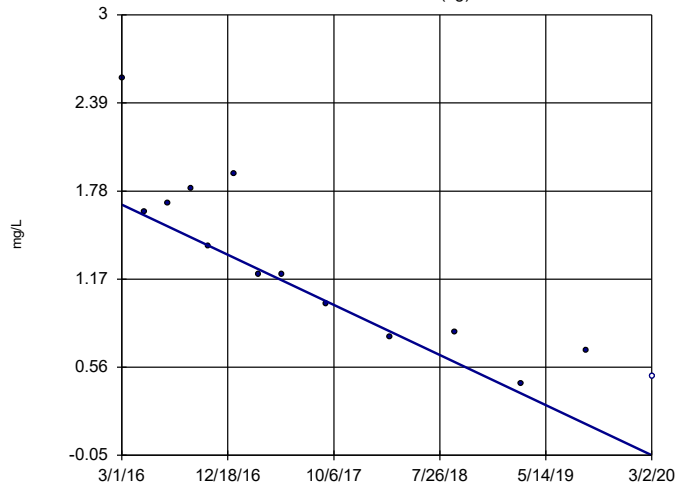
Sen's Slope Estimator
GWA-56 (bg)



Constituent: Chloride Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-36 (bg)

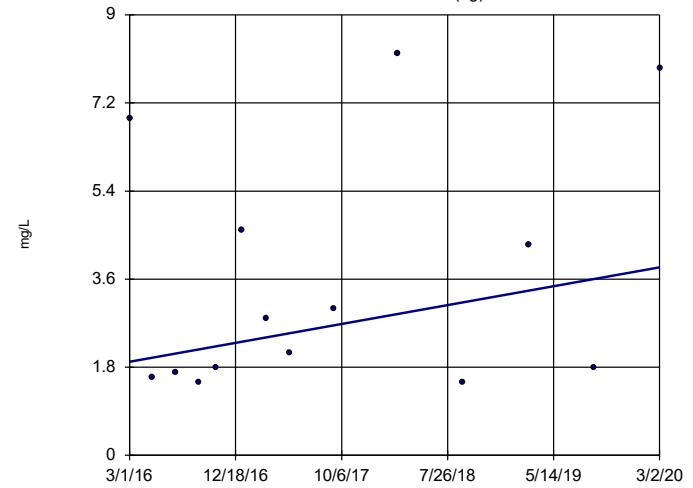


n = 14
 Slope = -0.4336
 units per year.
 Mann-Kendall
 statistic = -70
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-36R (bg)

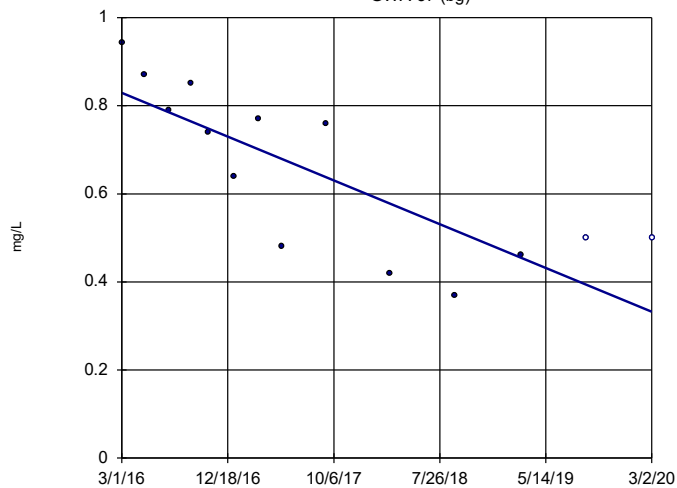


n = 14
 Slope = 0.4815
 units per year.
 Mann-Kendall
 statistic = 21
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:20 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-37 (bg)

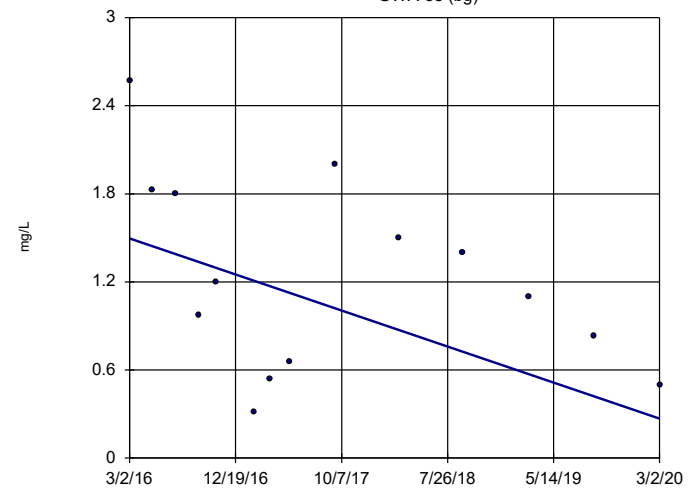


n = 14
 Slope = -0.124
 units per year.
 Mann-Kendall
 statistic = -58
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-38 (bg)

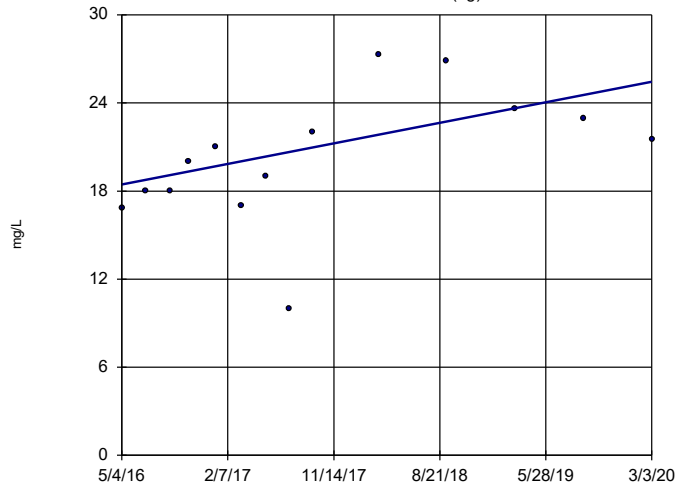


n = 14
 Slope = -0.3068
 units per year.
 Mann-Kendall
 statistic = -33
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

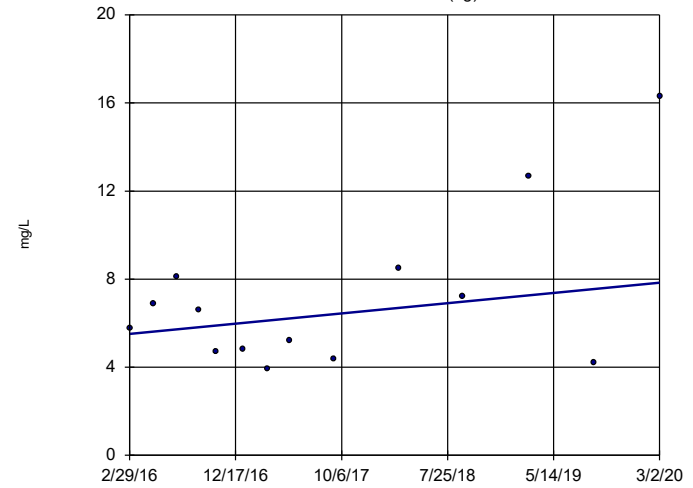


n = 14
 Slope = 1.828
 units per year.
 Mann-Kendall
 statistic = 42
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-52 (bg)

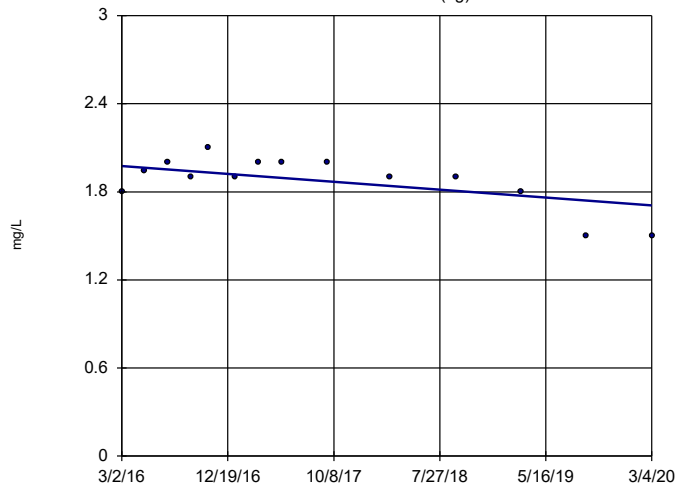


n = 14
 Slope = 0.5794
 units per year.
 Mann-Kendall
 statistic = 11
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-53 (bg)

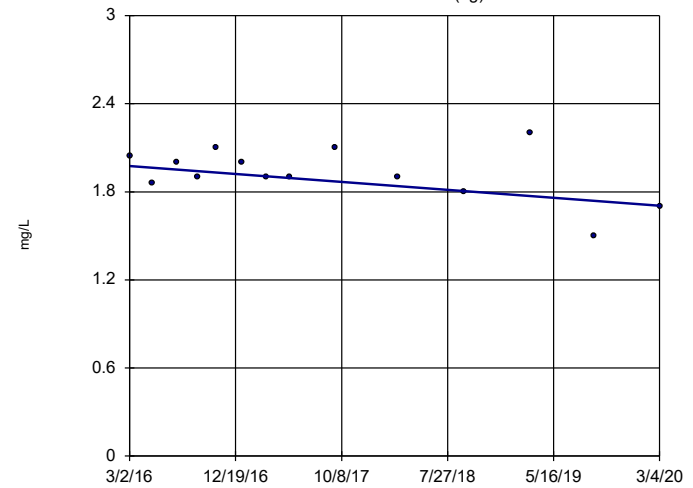


n = 14
 Slope = -0.0671
 units per year.
 Mann-Kendall
 statistic = -30
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-53R (bg)

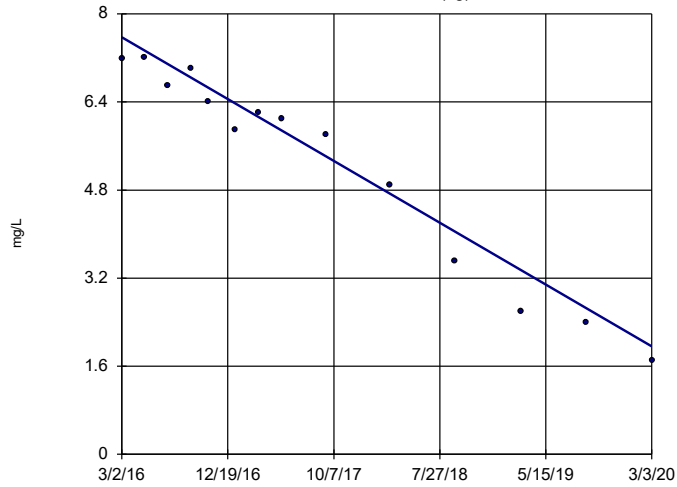


n = 14
 Slope = -0.06734
 units per year.
 Mann-Kendall
 statistic = -23
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-54 (bg)

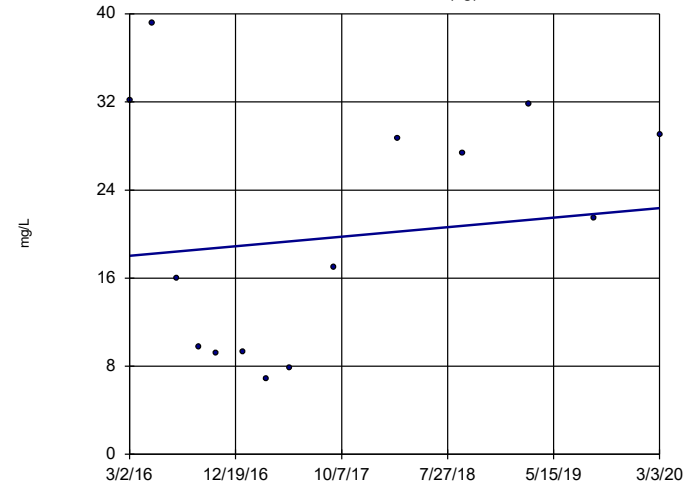


n = 14
 Slope = -1.402
 units per year.
 Mann-Kendall
 statistic = -83
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-55 (bg)

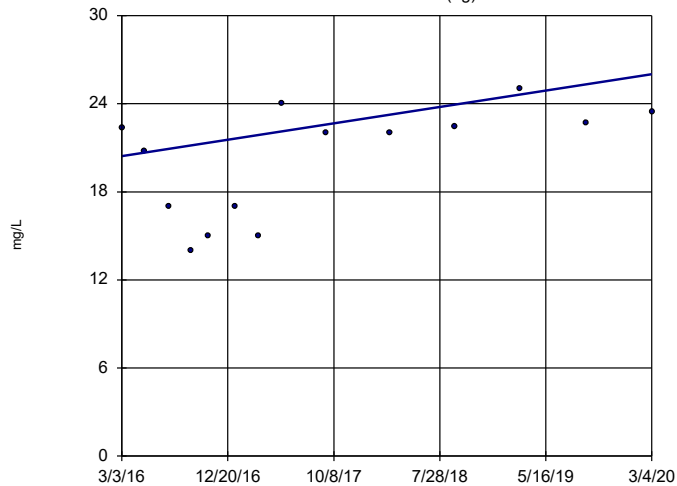


n = 14
 Slope = 1.076
 units per year.
 Mann-Kendall
 statistic = 7
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-55R (bg)

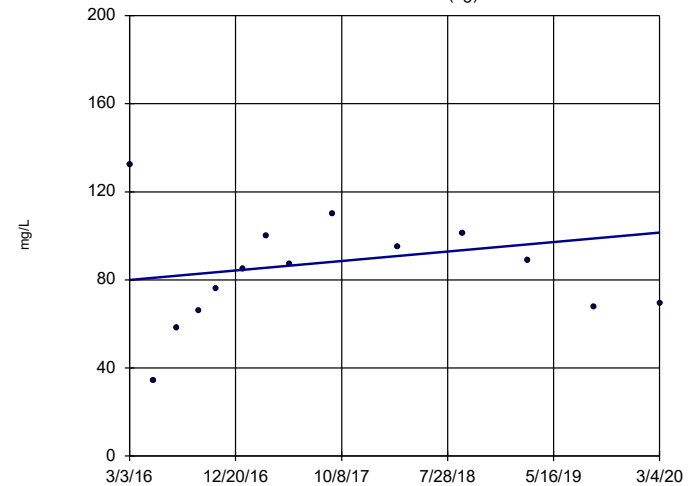


n = 14
 Slope = 1.394
 units per year.
 Mann-Kendall
 statistic = 40
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-56 (bg)

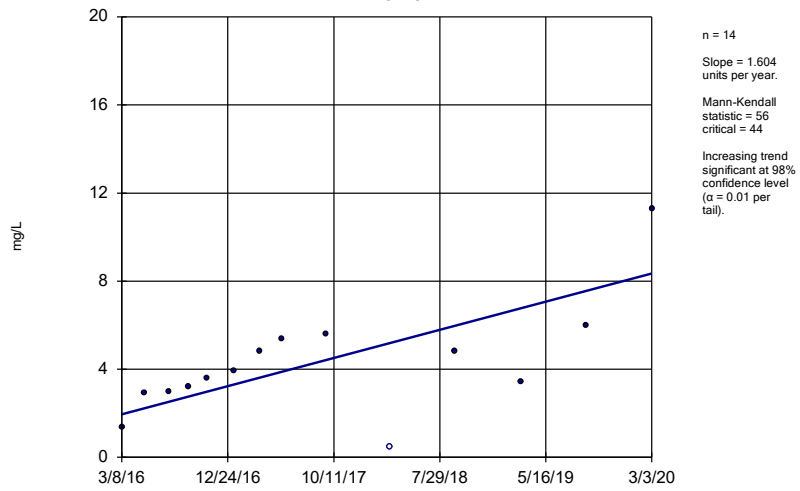


n = 14
 Slope = 5.378
 units per year.
 Mann-Kendall
 statistic = 17
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 (α = 0.01 per
 tail).

Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

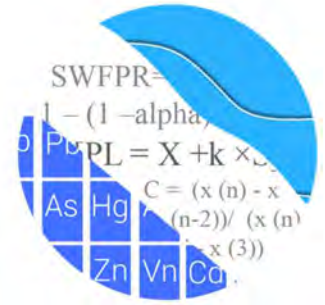
Sen's Slope Estimator

GWC-21R



Constituent: Sulfate Analysis Run 4/15/2020 2:21 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

GROUNDWATER STATS CONSULTING



August 26, 2020

Southern Company Services
Attn: Ms. Lauren Petty
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Bowen Landfill Cells 9 & 10
March 2020 Event - Statistical Analysis

Dear Ms. Petty,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the March 2020 sample event for Georgia Power Company's Plant Bowen Landfill Cells 9 & 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

The monitoring well network, as provided by Southern Company Services, consists of the following:

Bedrock Wells:

- **Upgradient:** GWA-39RZ, GWA-41R, GWA-43R
- **Downgradient:** GWC-45R, GWC-46R, GWC-47R, GWC-49R

Overburden Wells:

- **Upgradient:** GWA-39Z, GWA-40, GWA-41, GWA-42, GWA-43
- **Downgradient:** GWC-44, GWC-45, GWC-47, GWC-48, GWC-49Z

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% nondetects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells.

In earlier analyses, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods were recommended. Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Constituents:

Bedrock Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan – (all parameters)
- # Constituents: 16
- # Downgradient wells: 4

Overburden Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan (all parameters)
- # Constituents: 15 (Silver is not included because it is 100% nondetect in all overburden wells.)
- # Downgradient wells: 5

CCR Appendix III Constituents:

Bedrock & Overburden Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (calcium, chloride, sulfate, TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, fluoride, pH)
- # Constituents: 7
- # Downgradient wells: 9

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean

and standard deviation of the historical concentrations to account for concentrations below the reporting limit.

- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Background Screening Summary Georgia EPD Constituents – Conducted in August 2019

Outlier and Trend Testing – Bedrock & Overburden Wells

Time series plots are used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of those findings were submitted with the screening report and a summary of the flagged values follows this letter (Figure C).

Using the Tukey box plot method, several outliers were identified. For information purposes, when the most recent values are identified as outliers, values are not flagged in the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, several values were flagged as such in the database. When the test identified values that were similar to other measurements within a given well or neighboring wells or were reported nondetects, these values were not flagged. All values flagged in the database as outliers are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections, and the results of those findings were submitted with the screening report.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The trend analyses results were submitted with the screening report.

Statistically significant decreasing trends were noted for barium in Bedrock wells GWC-47R and GWC-49R, and in Overburden well GWC-49Z. No adjustments were required to these records because the magnitudes of these trends are low relative to the average concentrations at these wells. In the future, if adjustments are made to any records, a summary will be provided with the report.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells

and the results were submitted with the screening report. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

For the Bedrock wells, the ANOVA identified significant differences among upgradient well data for barium. No significant differences were noted for antimony, arsenic, beryllium, chromium, cobalt, copper, lead, mercury, nickel, thallium, vanadium, and zinc. The ANOVA could not test cadmium, selenium, and silver as there was no variation in the measurements among the upgradient wells.

For the Overburden wells, the ANOVA identified significant differences among upgradient well data for: antimony, barium, cadmium, and cobalt. No significant differences were noted for arsenic, chromium, copper, lead, mercury, nickel, thallium, and zinc. The ANOVA could not test beryllium, selenium, silver, and vanadium as there was no variation in the measurements among the upgradient wells.

Where variation is identified, the intrawell method is generally recommended as the most powerful statistical method providing groundwater quality is presumed to be unimpacted by practices at the facility in downgradient wells. Where variation is not identified, this suggests that interwell analysis would be considered for the statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level concentrations, and no records required any adjustments due to statistically significant increasing trends in data sets, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Establishing Statistical Limits

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from

across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-3 resample plan, are constructed using all available data within each well with detections through September 2018. Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. As previously discussed, no statistical analyses were included for well/constituent pairs where there are 100% nondetects in the downgradient well.

In the event of an initial exceedance of compliance well data, the 1-of-3 resample plan allows for collection of two additional samples to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary.

Background Update Summary – March 2020

Prior to updating background data in March 2020, Tukey's outlier test and visual screening were used to evaluate data through September 2019. Tukey's test was used for all wells for the intrawell parameters and for only the upgradient wells for the interwell parameters. Tukey's test noted several potential outliers in downgradient wells for intrawell parameters, but these values were not flagged as they appeared to be representative of natural variation. Although not noted on Tukey's test, a high value for sulfate in downgradient well GWC-44 was flagged as an outlier to construct statistical limits that are conservative from a regulatory perspective. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. An updated summary of flagged outliers follows this letter (Figure C).

For constituents requiring intrawell prediction limits (calcium, chloride, sulfate, and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through July 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. The results of the Mann-Whitney test were submitted with the screening. Statistically significant differences were found between the two groups for the following well/constituent pairs: calcium in upgradient well GWA-43 and downgradient well GWC-49Z; chloride in downgradient well GWC-46R; sulfate in upgradient wells GWA-40 and GWA-43, and downgradient well GWC-49R; and TDS in upgradient well GWA-39Z.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which one or both of the segments being compared are short, the comparison is complicated by the fact that normal short-term variation may be mistaken for a long-term change in medians. In this analysis all of the cases with statistically significant Mann-Whitney results were updated. The individual cases are discussed below.

For chloride in downgradient well GWC-46R, the newer data had only a slightly lower median, and reported measurements were similar to those observed earlier in the record. For calcium in downgradient well GWA-43 and upgradient well GWC-49Z and sulfate in upgradient well GWA-43, the newer, lower concentrations are very similar to those in the later portion of the historical data segments.

Although sulfate in well GWA-40 and TDS in well GWA-39Z showed increases in median concentrations, these are upgradient wells which reflect natural variation in groundwater unrelated to the facility. Additionally, the patterns and concentrations are similar to those in other upgradient wells. An increase in median concentrations was also noted for sulfate in downgradient well GWC-49R, but the magnitude of the increase is minimal relative to the variation in other wells for sulfate.

For calcium, chloride, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data within each well through September 2019. Future compliance observations at each well are compared to these background limits during each subsequent semi-annual sampling event.

For boron, fluoride, and pH, which are evaluated using interwell prediction limits, the Sen's Slope/Mann-Kendall trend test was used on upgradient wells to determine whether concentrations are statistically increasing, decreasing or stable over time. No statistically significant increasing trends were noted; however, statistically significant decreasing trends were noted for boron in wells GWA-41R, GWA-43R, and GWA-39RZ, and pH in wells GWA-41R and GWA-43. The apparent decreasing trends in boron are exaggerated by high nondetect values early in the record. Since the other trends were of short duration and relatively low in magnitude with concentrations similar to those in neighboring upgradient wells, no adjustments were necessary. However, if these trends persist, particularly the decreasing trend in pH at GWA-43, the background period may need to be adjusted to provide representative interwell limits. The trend tests results were included with the screening.

All background data sets for the constituents listed above were updated using all available data from upgradient wells through September 2019. The interwell prediction limits are to be used to evaluate future compliance samples for the above constituents at each downgradient well.

Statistical Analysis of Georgia EPD Constituents – March 2020 Sample Event

Intrawell prediction limits, combined with a 1-of-3 resample plan for Bedrock and Overburden wells were constructed separately using all available data within each well with detections through September 2018 (Figures D and E, respectively). Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. As previously discussed, no statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-3 plan allows collection of up to two samples. When both resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. The following prediction limit exceedances were noted:

Bedrock

- Antimony: Upgradient well GWA-41R
- Barium: Downgradient well GWC-49R
- Zinc: Downgradient well GWC-47R

Overburden

- Chromium: Upgradient wells GWA-39Z and GWA-41
- Nickel: Upgradient well GWA-39Z
- Zinc: Downgradient well GWC-47

When exceedances are noted upgradient of the facility, it is generally an indication that groundwater quality is beginning to change naturally. Summaries of the Georgia EPD prediction limits follow this report.

When prediction limit exceedances occur, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are also included in the trend analyses along with downgradient to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. No statistically significant trends were present in any of the well/constituent pairs. A summary of the trend test results for the Bedrock and Overburden wells follows this letter (Figures F and G, respectively).

Statistical Analysis of Appendix III Parameters – March 2020 Sample Event

For calcium, chloride, sulfate and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (Figure H). The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. Exceedances were noted for the following:

- Calcium: Upgradient wells GWA-40 and GWA-42; Downgradient well GWC-45R
- Chloride and Sulfate: Downgradient well GWC-45R
- TDS: Upgradient well GWA-41R; Downgradient wells GWC-45, GWC-45R and GWC-48

For boron, fluoride and pH, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through March 2020 (Figure I). The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. Exceedances were noted for the following:

- pH (upper limit): Downgradient well GWC-49R
- pH (lower limit): Downgradient wells GWC-44, GWC-45 and GWC-48

Data from well/constituent pairs found to exceed their respective prediction limits were further evaluated using the Sen's Slope/Mann Kendall trend test. Upgradient wells were included for any constituents requiring trend tests in downgradient wells (Figure J). No statistically significant increasing or decreasing trends were noted in any of the downgradient wells. A statistically significant increasing trend was noted in upgradient well GWA-42 for calcium, and statistically significant decreasing trends were noted for the following parameters in upgradient wells: calcium in well GWA-43; chloride in well GWA-39Z; pH in wells GWA-41R and GWA-43; and sulfate in wells GWA-39Z and GWA-43.

Summary

The following intrawell prediction limit exceedances were noted for the Georgia EPD parameters:

Bedrock

- Antimony: Upgradient well GWA-41R
- Barium: Downgradient well GWC-49R
- Zinc: Downgradient well GWC-47R

Overburden

- Chromium: Upgradient wells GWA-39Z and GWA-41
- Nickel: Upgradient well GWA-39Z
- Zinc: Downgradient well GWC-47

The following prediction limit exceedances were noted for the CCR parameters:

Intrawell Prediction Limits

- Calcium: Upgradient wells GWA-40 and GWA-42 and downgradient well GWC-45R
- Chloride: Downgradient well GWC-45R
- Sulfate: Downgradient well GWC-45R
- Total Dissolved Solids: Upgradient well GWA-41R, Downgradient Wells GWC-45, GWC-45R, GWC-48

Interwell Prediction Limits

- pH (upper limit): Downgradient well GWC-49R
- pH (lower limit): Downgradient wells GWC-44, GWC-45 and GWC-48

No statistically significant increasing trends were noted for any of the prediction limit exceedances identified at downgradient wells.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill at Cells 9 & 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Kristina Rayner
Groundwater Statistician

100% ND Bedrock Wells State Parameters

Date: 4/16/2020 11:20 AM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Beryllium (mg/L)

GWC-45R, GWC-46R, GWC-47R, GWC-49R

Cadmium (mg/L)

GWA-41R, GWA-43R, GWC-45R, GWC-46R, GWC-47R, GWC-49R

Cobalt (mg/L)

GWA-43R, GWC-45R, GWC-47R, GWC-49R

Copper (mg/L)

GWC-49R

Lead (mg/L)

GWC-46R, GWC-49R

Mercury (mg/L)

GWA-41R, GWC-45R, GWC-46R

Nickel (mg/L)

GWC-45R

Selenium (mg/L)

GWA-39RZ, GWA-41R, GWA-43R, GWC-45R, GWC-47R, GWC-49R

Silver (mg/L)

GWA-41R, GWA-43R, GWC-45R, GWC-46R, GWC-47R, GWC-49R

Thallium (mg/L)

GWA-43R, GWC-45R

Vanadium (mg/L)

GWA-41R, GWC-45R, GWC-46R, GWC-49R

100% Nondetects - Overburden State Parameters

Date: 4/16/2020 4:10 PM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Antimony (mg/L)

GWA-41, GWC-44

Arsenic (mg/L)

GWA-41, GWA-42, GWA-43, GWC-45, GWC-48, GWC-49Z

Beryllium (mg/L)

GWA-39Z, GWA-40, GWA-41, GWA-43, GWC-45, GWC-47, GWC-49Z

Cadmium (mg/L)

GWA-40, GWA-41, GWC-45

Cobalt (mg/L)

GWA-40, GWA-41, GWC-47

Mercury (mg/L)

GWA-39Z, GWA-41, GWA-43, GWC-44, GWC-45, GWC-47

Nickel (mg/L)

GWA-40

Selenium (mg/L)

GWA-39Z, GWA-40, GWA-41, GWA-42, GWC-45, GWC-47, GWC-49Z

Silver (mg/L)

GWA-39Z, GWA-40, GWA-41, GWA-42, GWA-43, GWC-44, GWC-45, GWC-47, GWC-48, GWC-49Z

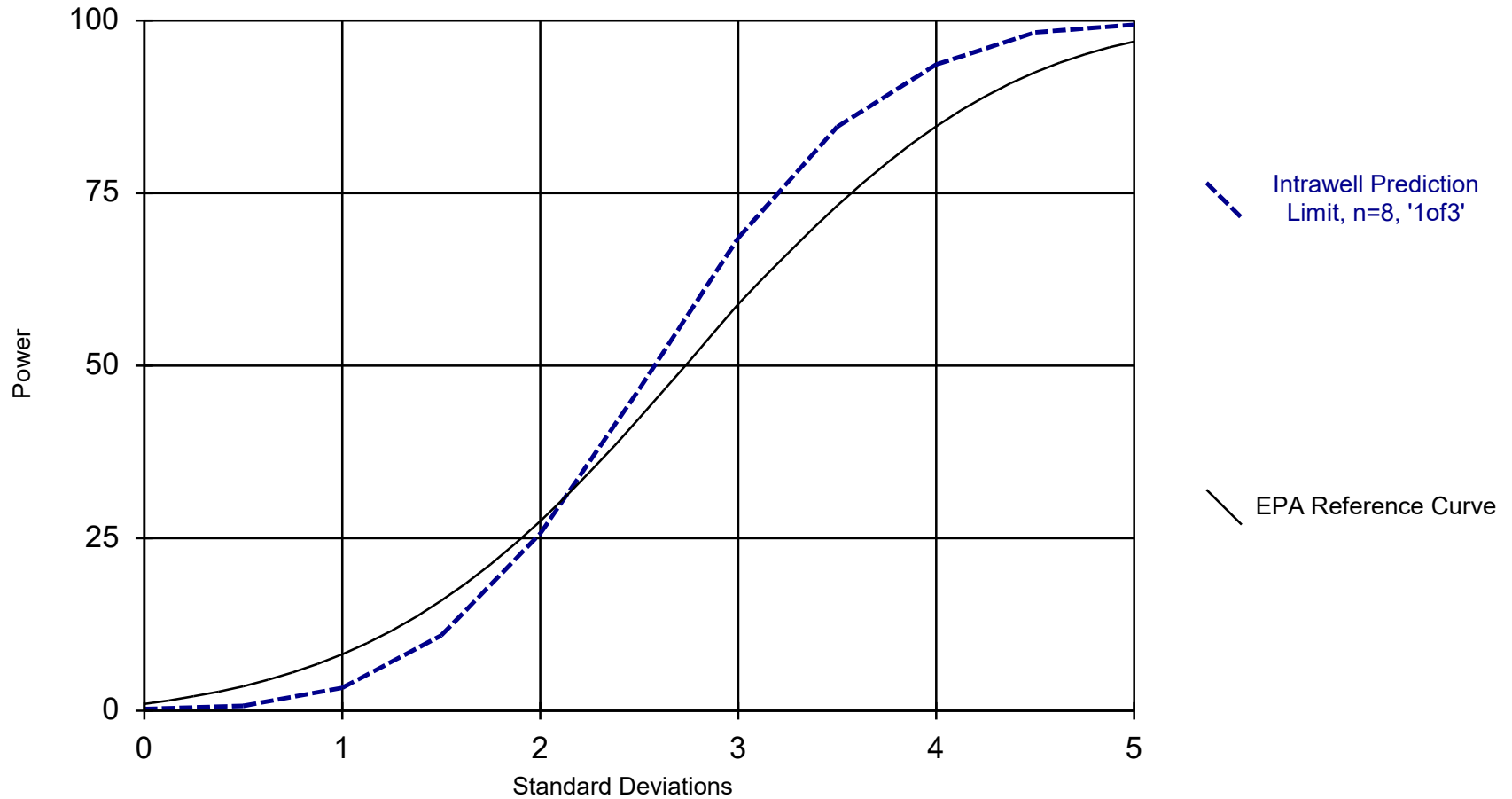
Thallium (mg/L)

GWA-41, GWC-45

Vanadium (mg/L)

GWA-39Z, GWA-40, GWA-41, GWA-42, GWC-44, GWC-47, GWC-48, GWC-49Z

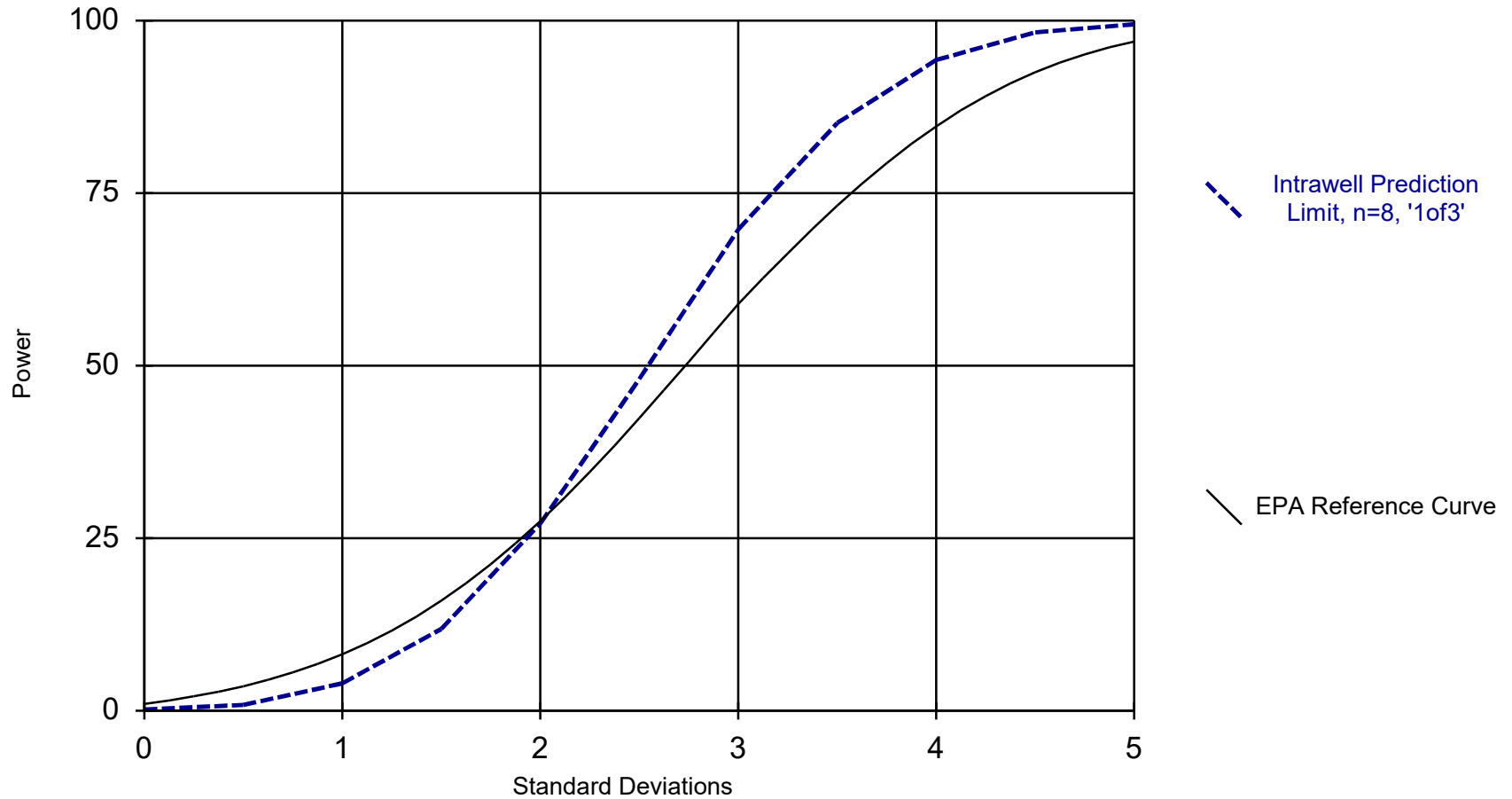
Power Curve



Kappa = 2.25, based on 5 compliance wells and 15 constituents, evaluated semi-annually (this report reflects annual total).

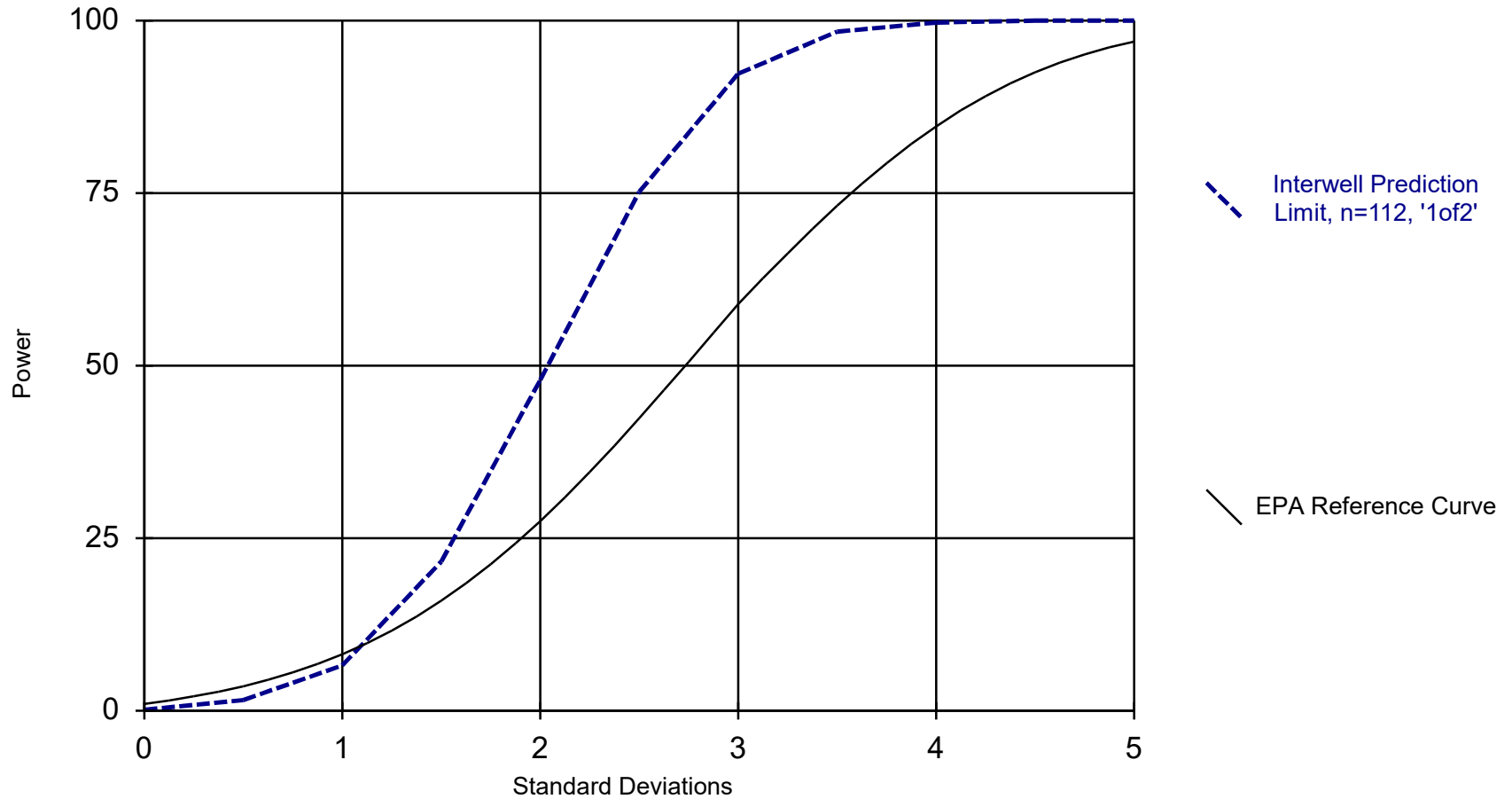
Analysis Run 4/17/2020 10:51 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Power Curve



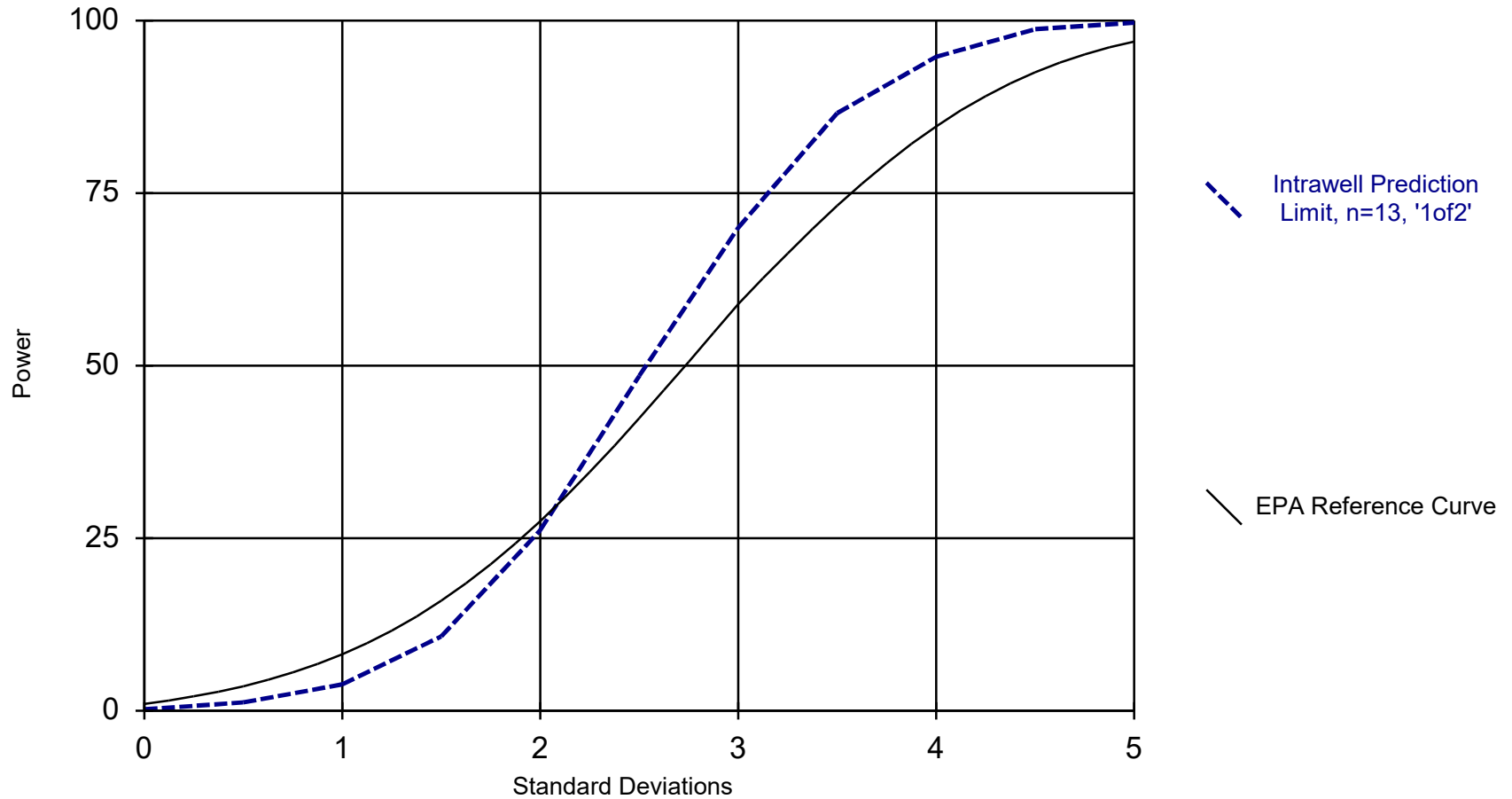
Kappa = 2.182, based on 4 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Power Curve



Kappa = 1.935, based on 9 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Power Curve



Kappa = 2.504, based on 9 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/17/2020 10:51 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Intrawell Prediction Limits (State) - Bedrock Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:03 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-41R	0.0035	n/a	3/9/2020	0.0037	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWC-49R	0.01169	n/a	3/11/2020	0.026	11	9.9e-7	3.2e-7	9.091	None	x^3	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-47R	0.01788	n/a	3/9/2020	0.032	10	0.0133	0.002353	20	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3

Intrawell Prediction Limits (State) - Bedrock All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:03 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-39RZ	0.007699	n/a	3/9/2020	0.0013	11	0.003012	0.002494	18.18	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWA-41R	0.0035	n/a	3/9/2020	0.0037	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-43R	0.003	n/a	3/9/2020	0.00037	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-45R	0.003517	n/a	3/10/2020	0.003ND	11	0.001604	0.001018	27.27	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWC-46R	0.003	n/a	3/10/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-47R	0.001616	n/a	3/9/2020	0.00056	11	0.03034	0.005246	45.45	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWC-49R	0.003	n/a	3/11/2020	0.0012	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	3/9/2020	0.00083	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-41R	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-43R	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-45R	0.005	n/a	3/10/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-46R	0.005	n/a	3/10/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-47R	0.005	n/a	3/9/2020	0.00051	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Arsenic (mg/L)	GWC-49R	0.005	n/a	3/11/2020	0.00041	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-39RZ	0.01964	n/a	3/9/2020	0.017	11	0.01544	0.002236	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWA-41R	0.0447	n/a	3/9/2020	0.031	11	0.02243	0.01186	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWA-43R	0.008996	n/a	3/9/2020	0.0069	11	0.008105	0.0004743	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-45R	0.02411	n/a	3/10/2020	0.024	11	0.02006	0.002154	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-46R	0.02079	n/a	3/10/2020	0.013	11	0.01549	0.002822	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-47R	0.01808	n/a	3/9/2020	0.0082	10	0.01146	0.003404	10	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-49R	0.01169	n/a	3/11/2020	0.026	11	9.9e-7	3.2e-7	9.091	None	x^3	0.0008228	Param Intra 1 of 3
Beryllium (mg/L)	GWA-39RZ	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-41R	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-43R	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-39RZ	0.0025	n/a	3/9/2020	0.0025ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-39RZ	0.01	n/a	3/9/2020	0.0016	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41R	0.01	n/a	3/9/2020	0.0004	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-43R	0.002735	n/a	3/9/2020	0.0014	11	-6.826	0.492	45.45	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-45R	0.01	n/a	3/10/2020	0.00092	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-46R	0.003994	n/a	3/10/2020	0.0035	11	-6.182	0.3505	27.27	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-47R	0.003043	n/a	3/9/2020	0.0023	10	0.001916	0.0005792	0	None	No	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-49R	0.01	n/a	3/11/2020	0.0012	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	3/9/2020	0.005ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-41R	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-46R	0.005	n/a	3/10/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-39RZ	0.0271	n/a	3/9/2020	0.011	7	n/a	n/a	71.43	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-41R	0.025	n/a	3/9/2020	0.0014	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-43R	0.025	n/a	3/9/2020	0.00035	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-45R	0.025	n/a	3/10/2020	0.025ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-46R	0.025	n/a	3/10/2020	0.025ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-47R	0.025	n/a	3/9/2020	0.00032	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-39RZ	0.005	n/a	3/9/2020	0.00027	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-41R	0.005	n/a	3/9/2020	0.000049	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-43R	0.005	n/a	3/9/2020	0.000096	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-45R	0.005	n/a	3/10/2020	0.005ND	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-47R	0.005	n/a	3/9/2020	0.00008	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-39RZ	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-43R	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-47R	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-49R	0.0005	n/a	3/11/2020	0.0005ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

Intrawell Prediction Limits (State) - Bedrock All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:03 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	3/9/2020	0.00083	7	n/a	n/a	57.14	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-41R	0.01	n/a	3/9/2020	0.00036	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-43R	0.01	n/a	3/9/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-46R	0.01	n/a	3/10/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-47R	0.01	n/a	3/9/2020	0.01ND	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-49R	0.01	n/a	3/11/2020	0.0004	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-46R	0.01	n/a	3/10/2020	0.01ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-39RZ	0.01	n/a	3/9/2020	0.01ND	7	n/a	n/a	85.71	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-39RZ	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-41R	0.001	n/a	3/9/2020	0.000061	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-46R	0.001	n/a	3/10/2020	0.001ND	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-47R	0.0009583	n/a	3/9/2020	0.00021	11	-7.867	0.4878	0	None	ln(x)	0.0008228	Param Intra 1 of 3
Thallium (mg/L)	GWC-49R	0.001	n/a	3/11/2020	0.001ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	3/9/2020	0.01ND	7	n/a	n/a	85.71	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-43R	0.01	n/a	3/9/2020	0.00074	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-47R	0.01	n/a	3/9/2020	0.00075	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-39RZ	0.01	n/a	3/9/2020	0.009	7	n/a	n/a	57.14	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-41R	0.01	n/a	3/9/2020	0.0024	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-43R	0.009267	n/a	3/9/2020	0.0022	10	0.004636	0.00238	50	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-45R	0.005777	n/a	3/10/2020	0.0035	10	0.002972	0.001441	40	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-46R	0.006359	n/a	3/10/2020	0.0029	10	0.05657	0.01191	50	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-47R	0.01788	n/a	3/9/2020	0.032	10	0.0133	0.002353	20	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-49R	0.01	n/a	3/11/2020	0.0036	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Intrawell Prediction Limits (State) - Overburden Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWA-39Z	0.01	n/a	3/9/2020	0.069	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41	0.01	n/a	3/6/2020	0.015	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-39Z	0.01194	n/a	3/9/2020	0.04	10	0.004838	0.00355	20	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-47	0.03542	n/a	3/9/2020	0.044	11	0.02497	0.005411	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3

Intrawell Prediction Limits (State) - Overburden All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-39Z	0.003043	n/a	3/9/2020	0.0011	11	0.001342	0.0008802	27.27	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Antimony (mg/L)	GWA-40	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-42	0.003	n/a	3/6/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-43	0.003	n/a	3/9/2020	0.00062	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-45	0.003	n/a	3/10/2020	0.00087	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Antimony (mg/L)	GWC-47	0.003	n/a	3/9/2020	0.00032	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-48	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-49Z	0.003	n/a	3/9/2020	0.0018	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-39Z	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-40	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-44	0.005	n/a	3/10/2020	0.0013	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-47	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-39Z	0.0319	n/a	3/9/2020	0.0072	11	0.01385	0.009342	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-40	0.01224	n/a	3/9/2020	0.0088	10	0.009012	0.001613	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-41	0.03429	n/a	3/6/2020	0.022	11	0.02693	0.003812	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-42	0.00668	n/a	3/6/2020	0.0066	11	0.006255	0.0002197	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-43	0.04119	n/a	3/9/2020	0.012	11	0.02405	0.00887	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-44	0.0758	n/a	3/10/2020	0.059	10	0.0348	0.0205	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-45	0.006266	n/a	3/10/2020	0.0061	10	0.00579	0.0002378	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-47	0.01736	n/a	3/9/2020	0.0089	11	0.01361	0.001939	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-48	0.03637	n/a	3/9/2020	0.029	11	0.0007215	0.0003112	9.091	None	x^2	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-49Z	0.01323	n/a	3/9/2020	0.0045	11	0.0068	0.00333	9.091	None	No	0.0007022	Param Intra 1 of 3
Beryllium (mg/L)	GWA-42	0.0002	n/a	3/6/2020	0.00017	9	n/a	n/a	0	n/a	n/a	0.004675	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-44	0.003	n/a	3/10/2020	0.000074	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-48	0.003	n/a	3/9/2020	0.00028	11	n/a	n/a	27.27	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-39Z	0.0025	n/a	3/9/2020	0.0025ND	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-42	0.001	n/a	3/6/2020	0.00014	11	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-43	0.0025	n/a	3/9/2020	0.0025ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-44	0.0025	n/a	3/10/2020	0.0025ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-47	0.0025	n/a	3/9/2020	0.00015	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-48	0.0007304	n/a	3/9/2020	0.00016	10	-8.534	0.6559	10	None	ln(x)	0.0007022	Param Intra 1 of 3
Cadmium (mg/L)	GWC-49Z	0.0025	n/a	3/9/2020	0.0025ND	11	n/a	n/a	36.36	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWA-39Z	0.01	n/a	3/9/2020	0.069	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-40	0.01	n/a	3/9/2020	0.0009	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41	0.01	n/a	3/6/2020	0.015	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-42	0.01	n/a	3/6/2020	0.00045	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.0033	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-44	0.01	n/a	3/10/2020	0.00074	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-45	0.01	n/a	3/10/2020	0.0007	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-47	0.007299	n/a	3/9/2020	0.0012	10	-6.134	0.6071	10	None	ln(x)	0.0007022	Param Intra 1 of 3
Chromium (mg/L)	GWC-48	0.00362	n/a	3/9/2020	0.0023	11	0.03719	0.01189	45.45	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Chromium (mg/L)	GWC-49Z	0.017	n/a	3/9/2020	0.00096	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-39Z	0.008788	n/a	3/9/2020	0.00075	11	0.04771	0.02382	9.091	None	sqrt(x)	0.0007022	Param Intra 1 of 3
Cobalt (mg/L)	GWA-42	0.0025	n/a	3/6/2020	0.00039	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-43	0.0025	n/a	3/9/2020	0.00039	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-44	0.01	n/a	3/10/2020	0.0021	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-45	0.01	n/a	3/10/2020	0.0012	11	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-48	0.01	n/a	3/9/2020	0.0016	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-49Z	0.006036	n/a	3/9/2020	0.0028	11	0.003487	0.001319	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Copper (mg/L)	GWA-39Z	0.025	n/a	3/9/2020	0.0007	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Intrawell Prediction Limits (State) - Overburden All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWA-40	0.025	n/a	3/9/2020	0.025ND	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-41	0.025	n/a	3/6/2020	0.00093	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-42	0.025	n/a	3/6/2020	0.00019	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-43	0.025	n/a	3/9/2020	0.00035	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-44	0.025	n/a	3/10/2020	0.00067	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-45	0.025	n/a	3/10/2020	0.00031	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Copper (mg/L)	GWC-47	0.025	n/a	3/9/2020	0.025ND	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-48	0.025	n/a	3/9/2020	0.00035	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-49Z	0.025	n/a	3/9/2020	0.00035	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-39Z	0.005	n/a	3/9/2020	0.000055	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-40	0.005	n/a	3/9/2020	0.000095	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-41	0.005	n/a	3/6/2020	0.000091	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-42	0.005	n/a	3/6/2020	0.00011	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-43	0.005	n/a	3/9/2020	0.000091	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-44	0.0008411	n/a	3/10/2020	0.00066	11	-8.001	0.4762	27.27	Kaplan-Meier	ln(x)	0.0007022	Param Intra 1 of 3
Lead (mg/L)	GWC-45	0.005	n/a	3/10/2020	0.00014	11	n/a	n/a	36.36	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-47	0.005	n/a	3/9/2020	0.000058	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-48	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-49Z	0.005	n/a	3/9/2020	0.00017	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-40	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-42	0.0005	n/a	3/6/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-48	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-49Z	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-39Z	0.01194	n/a	3/9/2020	0.04	10	0.004838	0.00355	20	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Nickel (mg/L)	GWA-41	0.01	n/a	3/6/2020	0.0089	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-42	0.01	n/a	3/6/2020	0.0015	10	n/a	n/a	20	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.00082	10	n/a	n/a	40	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-44	0.01	n/a	3/10/2020	0.00086	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-45	0.01	n/a	3/10/2020	0.0012	10	n/a	n/a	10	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-47	0.01	n/a	3/9/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-48	0.01	n/a	3/9/2020	0.0039	10	n/a	n/a	10	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-49Z	0.009582	n/a	3/9/2020	0.003	10	0.004688	0.002447	10	None	No	0.0007022	Param Intra 1 of 3
Selenium (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.01ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-44	0.006719	n/a	3/10/2020	0.0063	11	0.05783	0.01249	45.45	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Selenium (mg/L)	GWC-48	0.01	n/a	3/9/2020	0.01ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-39Z	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-40	0.001	n/a	3/9/2020	0.000078	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-42	0.001	n/a	3/6/2020	0.000086	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-43	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-44	0.001	n/a	3/10/2020	0.001ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-47	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-48	0.001	n/a	3/9/2020	0.00009	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-49Z	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-45	0.01	n/a	3/10/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-39Z	0.01	n/a	3/9/2020	0.0035	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-40	0.01	n/a	3/9/2020	0.002	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-41	0.01	n/a	3/6/2020	0.0027	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-42	0.01457	n/a	3/6/2020	0.012	10	0.09783	0.01143	40	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.002	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3

Intrawell Prediction Limits (State) - Overburden All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-44	0.006244	n/a	3/10/2020	0.0049	10	0.06517	0.006924	40	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-45	0.007234	n/a	3/10/2020	0.0031	10	0.004638	0.001298	50	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-47	0.03542	n/a	3/9/2020	0.044	11	0.02497	0.005411	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-48	0.008972	n/a	3/9/2020	0.0079	10	0.006348	0.001312	50	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-49Z	0.01	n/a	3/9/2020	0.0047	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Trend Test Summary - Bedrock State Parameters

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/16/2020, 3:53 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-39RZ (bg)	0.0008599	14	39	No	13	15.38	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-41R (bg)	0	6	44	No	14	64.29	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-43R (bg)	0	-31	-44	No	14	64.29	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-39RZ (bg)	0.000514	20	39	No	13	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-41R (bg)	0.002928	18	44	No	14	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-43R (bg)	-0.00008276	-11	-44	No	14	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWC-49R	0.0001077	1	44	No	14	7.143	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-39RZ (bg)	-0.0003074	-10	-23	No	9	44.44	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-41R (bg)	0	-20	-39	No	13	61.54	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-43R (bg)	-0.0007962	-19	-39	No	13	38.46	n/a	n/a	0.02	NP
Zinc (mg/L)	GWC-47R	0.0002316	3	39	No	13	15.38	n/a	n/a	0.02	NP

Trend Test Summary - Overburden State Parameters

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/16/2020, 3:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chromium (mg/L)	GWA-39Z (bg)	0	13	44	No	14	92.86	n/a	n/a	0.02	NP
Chromium (mg/L)	GWA-40 (bg)	0	-16	-44	No	14	78.57	n/a	n/a	0.02	NP
Chromium (mg/L)	GWA-41 (bg)	0	13	44	No	14	92.86	n/a	n/a	0.02	NP
Chromium (mg/L)	GWA-42 (bg)	0	-13	-44	No	14	92.86	n/a	n/a	0.02	NP
Chromium (mg/L)	GWA-43 (bg)	0	-24	-44	No	14	71.43	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-39Z (bg)	0	-1	-39	No	13	23.08	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-40 (bg)	0	0	39	No	13	100	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-41 (bg)	0	1	39	No	13	53.85	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-42 (bg)	-0.0000969	-19	-39	No	13	15.38	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-43 (bg)	0	11	39	No	13	38.46	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-39Z (bg)	-0.000282	-19	-39	No	13	46.15	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-40 (bg)	0	-23	-39	No	13	76.92	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-41 (bg)	0	-16	-39	No	13	76.92	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-42 (bg)	0.0005299	20	39	No	13	30.77	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-43 (bg)	-0.0000201	-10	-39	No	13	38.46	n/a	n/a	0.02	NP
Zinc (mg/L)	GWC-47	0.004277	40	44	No	14	14.29	n/a	n/a	0.02	NP

Intrawell Prediction Limits (CCR) - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWA-40	28.9	n/a	3/9/2020	29.4	13	21.22	3.07	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-42	35.5	n/a	3/6/2020	38	13	30.44	2.022	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45R	41.57	n/a	3/10/2020	43.5	13	33.75	3.119	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45R	4.3	n/a	3/10/2020	4.4	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-45R	4.171	n/a	3/10/2020	5.2	13	1.678	0.1456	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41R	247.5	n/a	3/9/2020	249	13	156	36.55	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-45	39	n/a	3/10/2020	60	13	n/a	n/a	53.85	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Total Dissolved Solids (mg/l)	GWC-45R	226.6	n/a	3/10/2020	245	13	158.7	27.13	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-48	62.49	n/a	3/9/2020	100	13	4.798	1.241	30.77	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2

Intrawell Prediction Limits (CCR) - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWA-39RZ	41.66	n/a	3/9/2020	35.6	13	31.85	3.916	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-39Z	35.15	n/a	3/9/2020	3.2	14	14.39	8.463	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-40	28.9	n/a	3/9/2020	29.4	13	21.22	3.07	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-41	40.96	n/a	3/6/2020	29.2	13	18.11	9.126	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-41R	45.25	n/a	3/9/2020	25.5	13	33.5	4.693	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-42	35.5	n/a	3/6/2020	38	13	30.44	2.022	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-43	19.73	n/a	3/9/2020	2.6	13	7.587	4.85	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-43R	32.72	n/a	3/9/2020	31.7	14	28.45	1.742	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-44	16.95	n/a	3/10/2020	16.9	13	5.414	4.606	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45	0.9609	n/a	3/10/2020	0.89	13	0.9012	0.03156	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45R	41.57	n/a	3/10/2020	43.5	13	33.75	3.119	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-46R	54.42	n/a	3/10/2020	51.6	13	44.5	3.96	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-47	30.67	n/a	3/9/2020	22.3	13	23.9	2.702	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-47R	38.32	n/a	3/9/2020	35	13	30.12	3.276	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-48	11.28	n/a	3/9/2020	4.5	13	1.729	0.6507	7.692	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-49R	31.53	n/a	3/11/2020	27.1	13	25.18	2.536	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-49Z	6.919	n/a	3/9/2020	0.87	13	1.179	0.2903	0	None	x^(1/3)	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-39RZ	3.98	n/a	3/9/2020	1.5	13	2.48	0.5988	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-39Z	2.355	n/a	3/9/2020	1.2	13	1.633	0.2883	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-40	3.889	n/a	3/9/2020	1.5	14	1.224	0.305	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-41	4.209	n/a	3/6/2020	1.3	13	2.027	0.8715	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-41R	6.223	n/a	3/9/2020	1.3	13	3.133	1.234	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-42	3.894	n/a	3/6/2020	2.7	13	2.763	0.4518	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-43	1.591	n/a	3/9/2020	1.2	13	1.329	0.1047	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-43R	5.573	n/a	3/9/2020	2.2	13	3.368	0.8802	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-44	9.945	n/a	3/10/2020	5.9	14	4.578	2.188	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45	1.232	n/a	3/10/2020	0.8	13	0.9601	0.1087	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45R	4.3	n/a	3/10/2020	4.4	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-46R	3.019	n/a	3/10/2020	1.2	13	2.15	0.3467	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-47	3.019	n/a	3/9/2020	2.3	13	2.519	0.2	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-47R	3.021	n/a	3/9/2020	2.3	13	2.5	0.2079	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-48	3.612	n/a	3/9/2020	3.4	13	2.572	0.4151	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-49R	2.7	n/a	3/11/2020	1.4	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-49Z	1.455	n/a	3/9/2020	1	13	1.118	0.1348	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-39RZ	30.14	n/a	3/9/2020	5.8	13	12.5	7.045	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-39Z	9.678	n/a	3/9/2020	0.84	13	4.516	2.061	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-40	7.087	n/a	3/9/2020	1.2	14	1.363	0.5295	7.143	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-41	11.99	n/a	3/6/2020	10	13	1.385	0.3607	0	None	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-41R	12.93	n/a	3/9/2020	8.5	13	5.16	3.101	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-42	2.644	n/a	3/6/2020	1.7	13	1.641	0.4006	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-43	2.037	n/a	3/9/2020	0.5ND	13	0.8393	0.4783	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-43R	10.71	n/a	3/9/2020	3.9	13	6.176	1.812	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-44	52.83	n/a	3/10/2020	48.5	13	17.74	14.01	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-45	1.809	n/a	3/10/2020	0.61	13	0.7349	0.4287	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-45R	4.171	n/a	3/10/2020	5.2	13	1.678	0.1456	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-46R	9.593	n/a	3/10/2020	5.5	13	6.725	1.145	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-47	5.618	n/a	3/9/2020	4.3	13	4.287	0.5315	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-47R	16.1	n/a	3/9/2020	10.4	13	9.164	2.771	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-48	3.856	n/a	3/9/2020	1.6	14	1.869	0.8101	7.143	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-49R	6.225	n/a	3/11/2020	3.3	14	1.88	0.2508	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2

Intrawell Prediction Limits (CCR) - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-49Z	10.28	n/a	3/9/2020	1.5	13	0.9416	0.5543	0	None	ln(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-39RZ	264.6	n/a	3/9/2020	173	13	170.3	37.67	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-39Z	175.8	n/a	3/9/2020	58	12	77	38.66	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-40	161.4	n/a	3/9/2020	131	13	107.8	21.41	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41	200.2	n/a	3/6/2020	137	13	85.46	45.83	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41R	247.5	n/a	3/9/2020	249	13	156	36.55	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-42	187.7	n/a	3/6/2020	143	13	135.9	20.69	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-43	90.21	n/a	3/9/2020	51	13	40.62	19.8	23.08	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-43R	179.1	n/a	3/9/2020	174	13	141	15.22	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-44	190.9	n/a	3/10/2020	127	14	3.427	0.9504	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-45	39	n/a	3/10/2020	60	13	n/a	n/a	53.85	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Total Dissolved Solids (mg/l)	GWC-45R	226.6	n/a	3/10/2020	245	13	158.7	27.13	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-46R	293.7	n/a	3/10/2020	273	13	234.8	23.52	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-47	171.4	n/a	3/9/2020	147	13	127.8	17.38	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-47R	187.7	n/a	3/9/2020	44	13	154.5	13.26	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-48	62.49	n/a	3/9/2020	100	13	4.798	1.241	30.77	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-49R	196.3	n/a	3/11/2020	125	13	126.6	27.83	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-49Z	63.44	n/a	3/9/2020	51	13	31.4	12.79	23.08	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2

Interwell Prediction Limits (CCR) - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-44	7.89	5.5	3/10/2020	4.44	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-45	7.89	5.5	3/10/2020	4.98	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-48	7.89	5.5	3/9/2020	5.18	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-49R	7.89	5.5	3/11/2020	8.19	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2

Interwell Prediction Limits (CCR) - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:21 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-44	0.04	n/a	3/10/2020	0.019	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-45	0.04	n/a	3/10/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-45R	0.04	n/a	3/10/2020	0.009	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-46R	0.04	n/a	3/10/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-47	0.04	n/a	3/9/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-47R	0.04	n/a	3/9/2020	0.0051	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-48	0.04	n/a	3/9/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-49R	0.04	n/a	3/11/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-49Z	0.04	n/a	3/9/2020	0.0055	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-44	0.3	n/a	3/10/2020	0.13	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-45	0.3	n/a	3/10/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-45R	0.3	n/a	3/10/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-46R	0.3	n/a	3/10/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-47	0.3	n/a	3/9/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-47R	0.3	n/a	3/9/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-48	0.3	n/a	3/9/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-49R	0.3	n/a	3/11/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-49Z	0.3	n/a	3/9/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
pH (pH units)	GWC-44	7.89	5.5	3/10/2020	4.44	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-45	7.89	5.5	3/10/2020	4.98	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-45R	7.89	5.5	3/10/2020	7.05	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-46R	7.89	5.5	3/10/2020	7.44	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-47	7.89	5.5	3/9/2020	7.19	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-47R	7.89	5.5	3/9/2020	7.51	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-48	7.89	5.5	3/9/2020	5.18	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-49R	7.89	5.5	3/11/2020	8.19	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-49Z	7.89	5.5	3/9/2020	5.6	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2

Trend Test Summary (CCR) - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:40 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-42 (bg)	1.37	46	44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-43 (bg)	-2.809	-83	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-39Z (bg)	-0.1705	-50	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-41R (bg)	-0.1285	-59	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-43 (bg)	-0.2715	-81	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.222	-53	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.3274	-60	-44	Yes	14	14.29	n/a	n/a	0.02	NP

Trend Test Summary (CCR) - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:40 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-39RZ (bg)	0.8466	27	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-39Z (bg)	3.1	27	48	No	15	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-40 (bg)	0.8512	14	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-41 (bg)	1.53	15	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-41R (bg)	-1.923	-34	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-42 (bg)	1.37	46	44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-43 (bg)	-2.809	-83	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-43R (bg)	1.003	40	48	No	15	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-45R	1.881	35	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-39RZ (bg)	-0.06289	-4	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-39Z (bg)	-0.1705	-50	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-40 (bg)	0.1591	23	48	No	15	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-41 (bg)	-0.1257	-25	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-41R (bg)	-0.4888	-38	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-42 (bg)	0.2544	26	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-43 (bg)	0	3	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-43R (bg)	-0.07549	-4	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-45R	0.1184	24	44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-39RZ (bg)	-0.03667	-27	-53	No	16	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-39Z (bg)	0.09672	13	48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-40 (bg)	-0.01848	-13	-53	No	16	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-41 (bg)	0.04112	7	39	No	13	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-41R (bg)	-0.1285	-59	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-42 (bg)	0.007074	10	44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-43 (bg)	-0.2715	-81	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-43R (bg)	-0.02739	-35	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-44	-0.06045	-40	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-45	-0.03496	-30	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-48	-0.03869	-18	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-49R	0.07032	23	48	No	15	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-39RZ (bg)	1.474	8	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.222	-53	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-40 (bg)	0.1962	26	48	No	15	6.667	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-41 (bg)	0.3359	10	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-41R (bg)	1.016	27	44	No	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-42 (bg)	0.1365	27	44	No	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.3274	-60	-44	Yes	14	14.29	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-43R (bg)	-0.3022	-6	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-45R	0.2672	25	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-39RZ (bg)	-2.179	-2	-44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-39Z (bg)	6.184	12	39	No	13	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-40 (bg)	8.873	40	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-41 (bg)	14.67	24	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-41R (bg)	10.03	12	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-42 (bg)	2.709	12	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-43 (bg)	-11.12	-39	-44	No	14	21.43	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-43R (bg)	5.083	26	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWC-45	0	14	44	No	14	50	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWC-45R	16.64	37	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWC-48	2.852	27	44	No	14	28.57	n/a	n/a	0.02	NP

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 11:02 AM

GWC-45 Antimony (mg/L) GWC-44 Arsenic (mg/L) GWC-47R Arsenic (mg/L) GWA-40 Barium (mg/L) GWC-44 Barium (mg/L) GWC-45 Barium (mg/L) GWC-47R Barium (mg/L) GWA-42 Beryllium (mg/L) GWC-45R Cadmium (mg/L) GWC-48 Cadmium (mg/L)

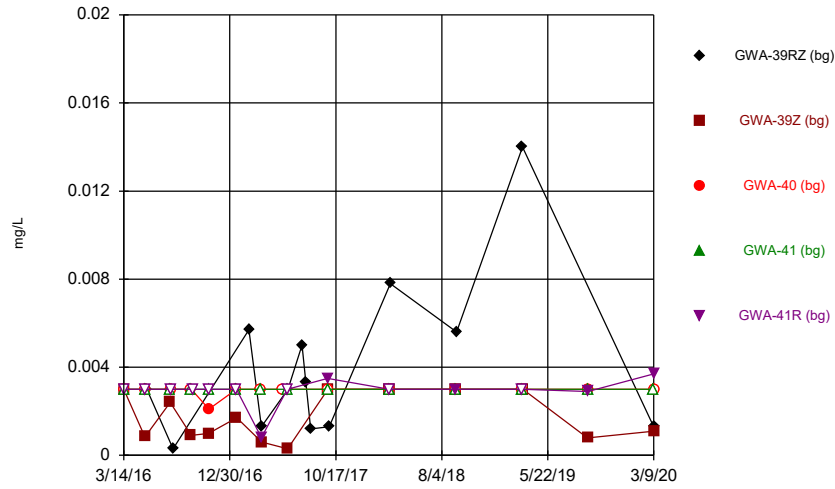
Date	GWC-45 Antimony (mg/L)	GWC-44 Arsenic (mg/L)	GWC-47R Arsenic (mg/L)	GWA-40 Barium (mg/L)	GWC-44 Barium (mg/L)	GWC-45 Barium (mg/L)	GWC-47R Barium (mg/L)	GWA-42 Beryllium (mg/L)	GWC-45R Cadmium (mg/L)	GWC-48 Cadmium (mg/L)
3/10/2016			0.0551 (o)				0.0344 (o)			0.0195 (Jo)
3/11/2016								<0.003 (o)		
3/15/2016			<3 (o)							
3/16/2016		0.0657 (o)		<3 (o)	0.6294 (o)				0.0167 (o)	
5/16/2016								<0.003 (o)		
5/18/2016										
9/27/2017	0.0111 (o)									
3/14/2019										

GWC-47 Chromium (mg/L) GWC-47R Chromium (mg/L) GWC-44 Sulfate (mg/L)

Date	GWC-47 Chromium (mg/L)	GWC-47R Chromium (mg/L)	GWC-44 Sulfate (mg/L)
3/10/2016	0.0439 (o)		
3/11/2016			
3/15/2016			
3/16/2016			
5/16/2016			
5/18/2016		0.00606 (Jo)	
9/27/2017			
3/14/2019			79.7 (O)

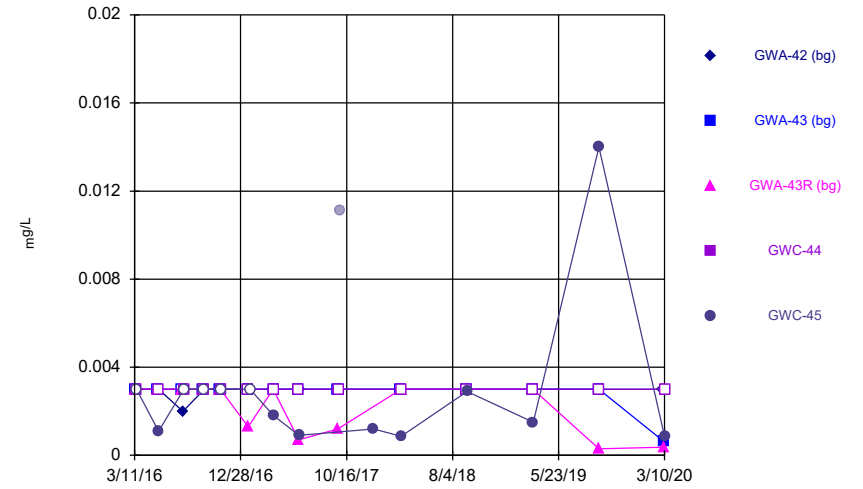
FIGURE A.

Time Series



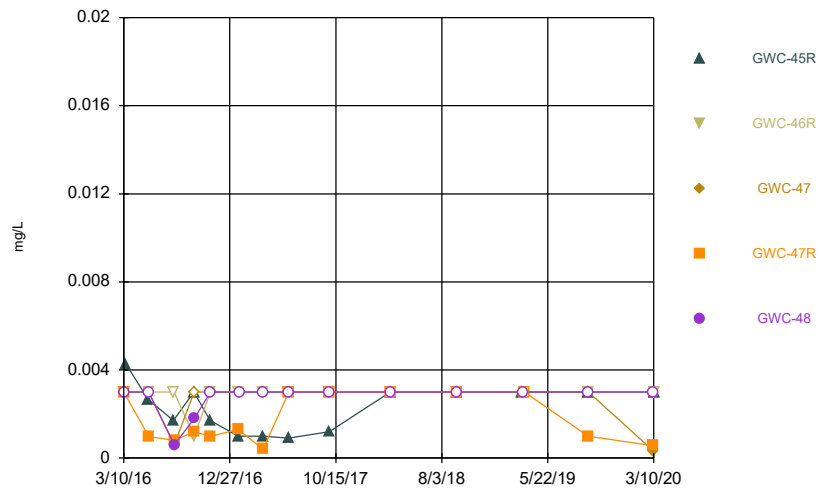
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



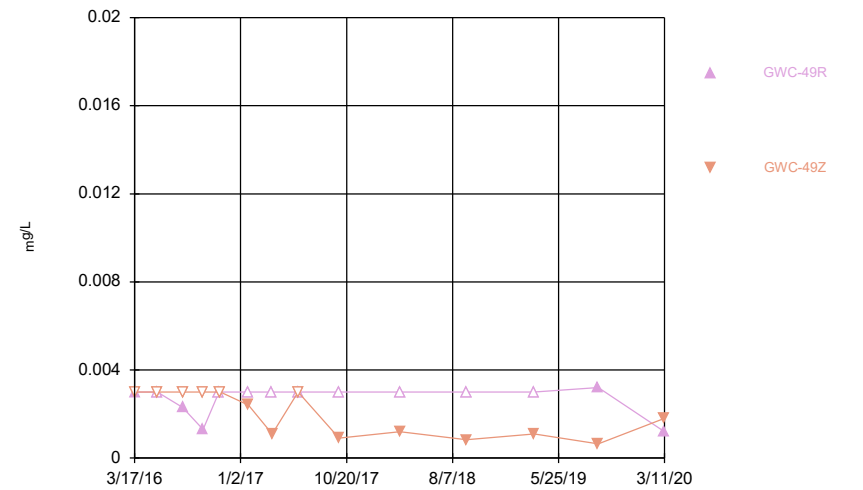
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



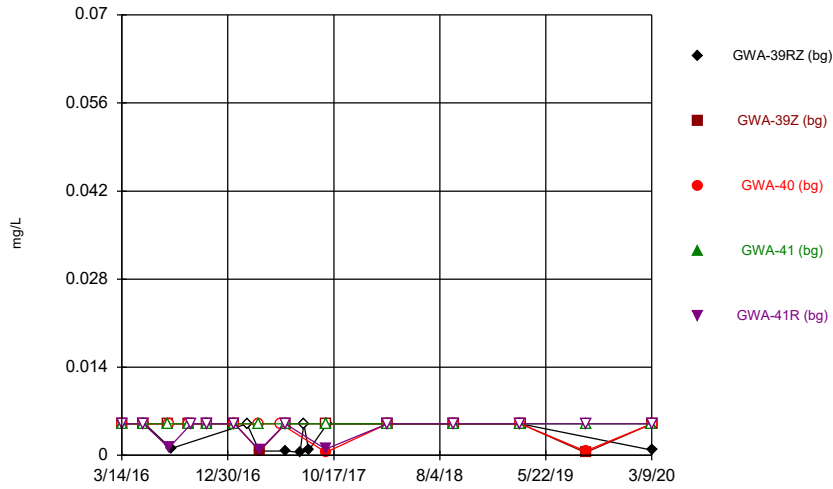
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



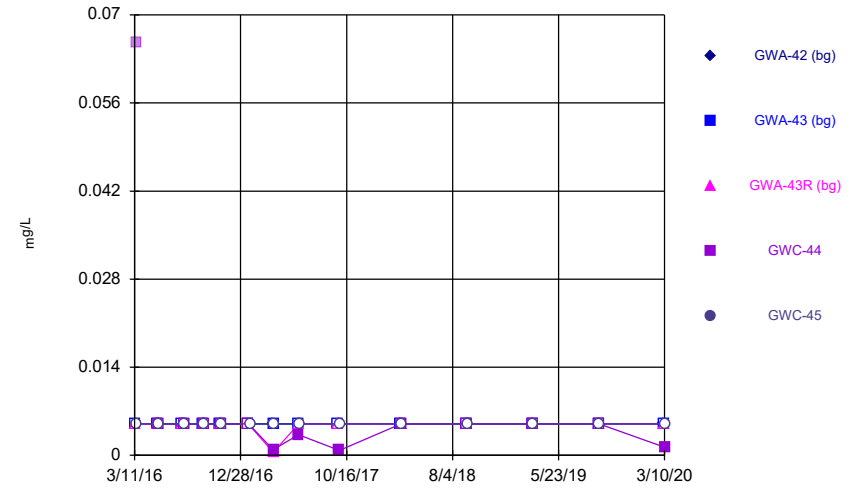
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



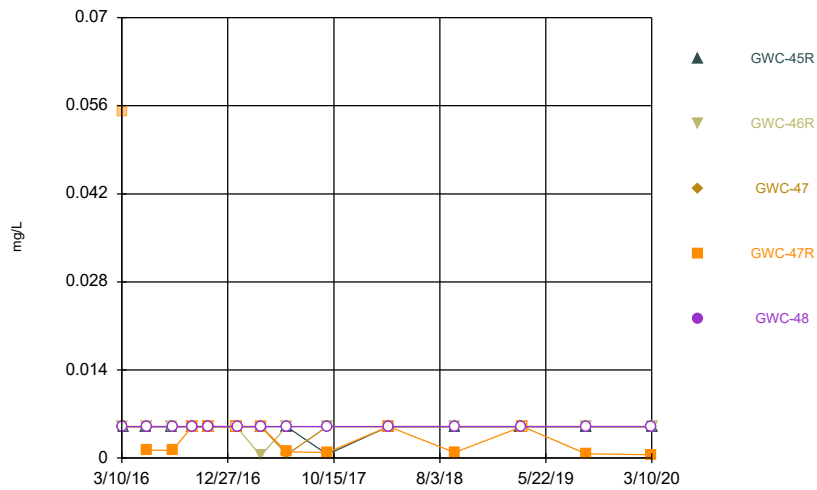
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



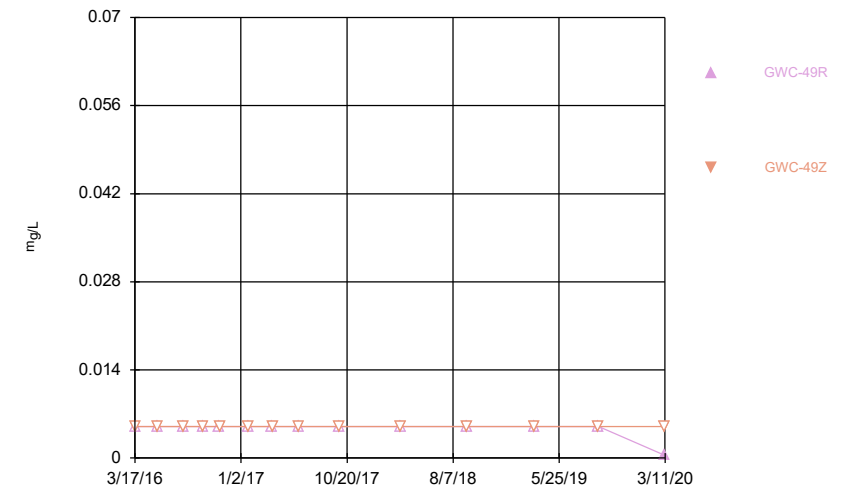
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



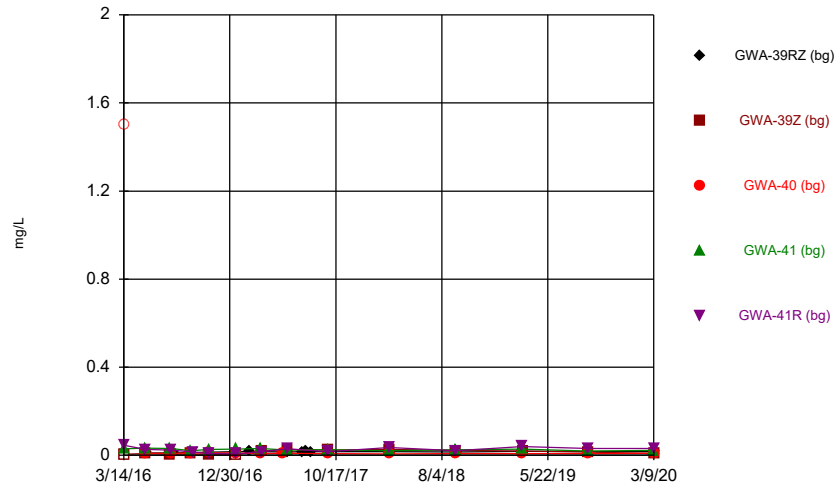
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



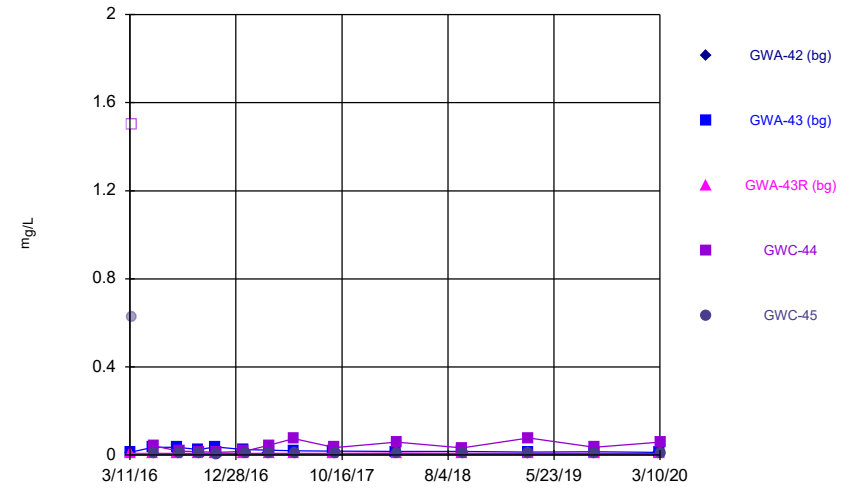
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



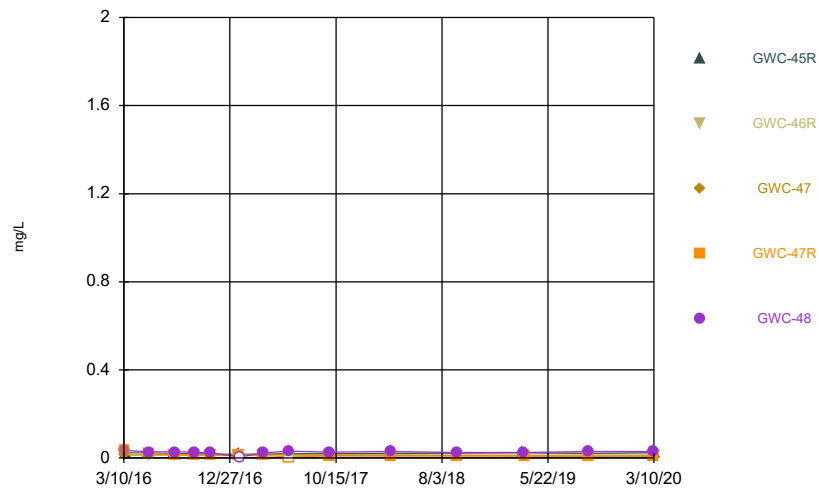
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



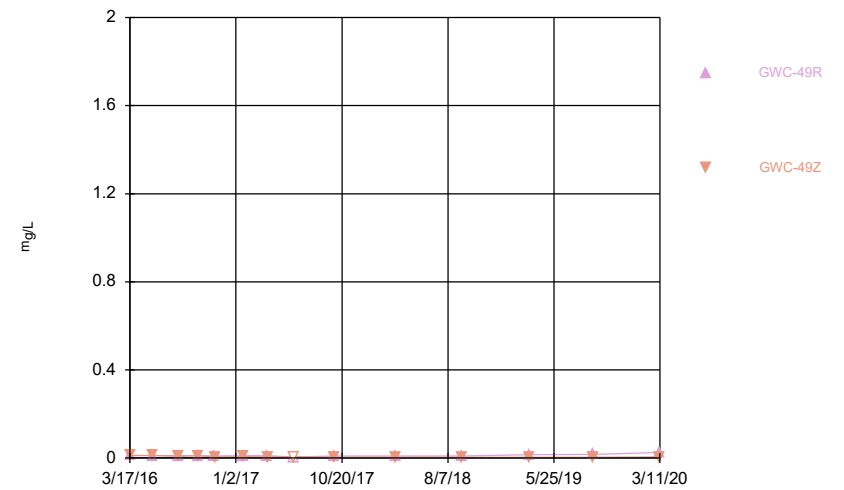
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



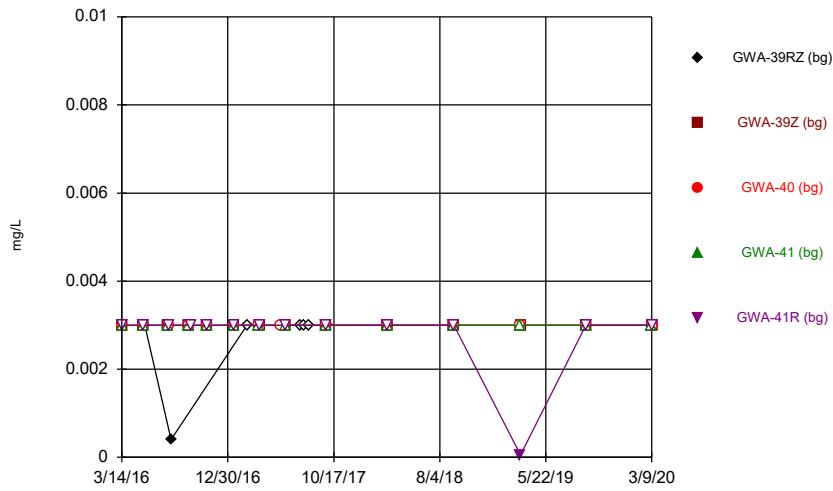
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



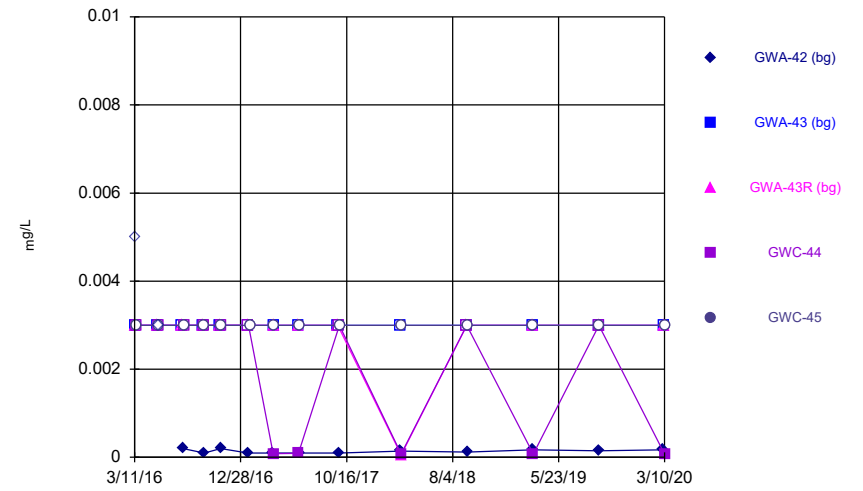
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



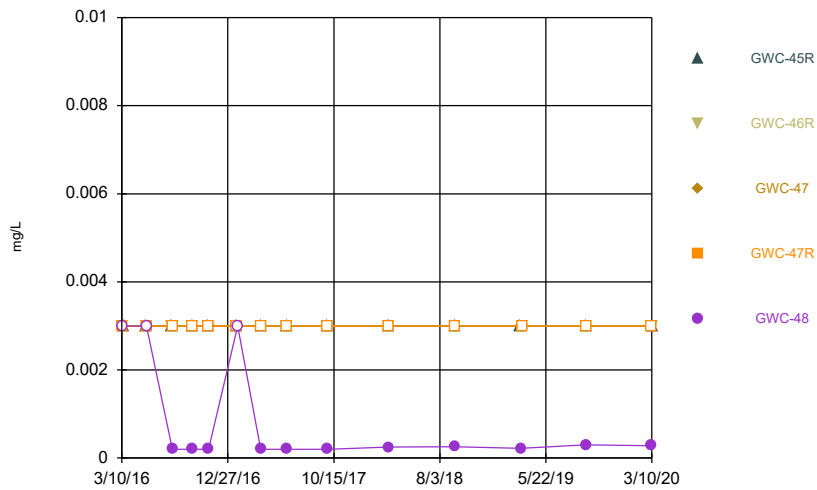
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



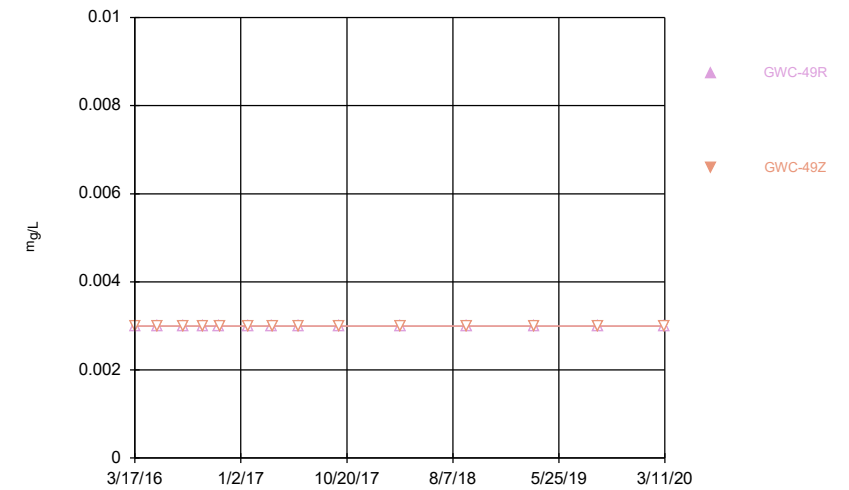
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



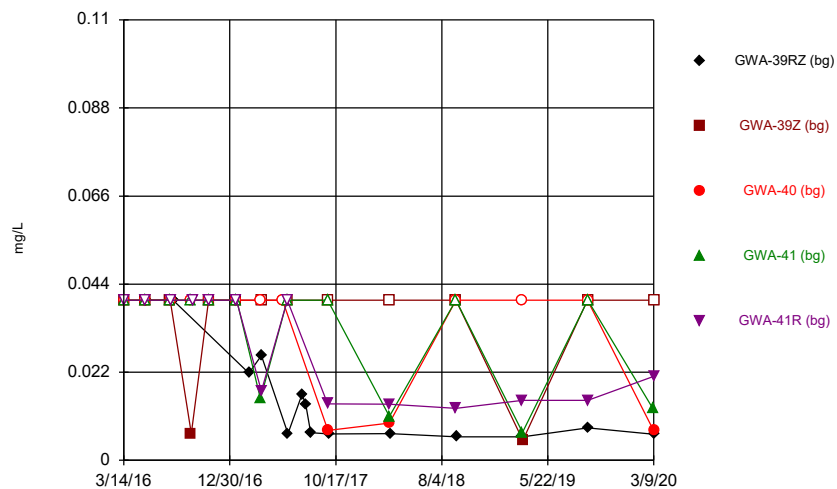
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



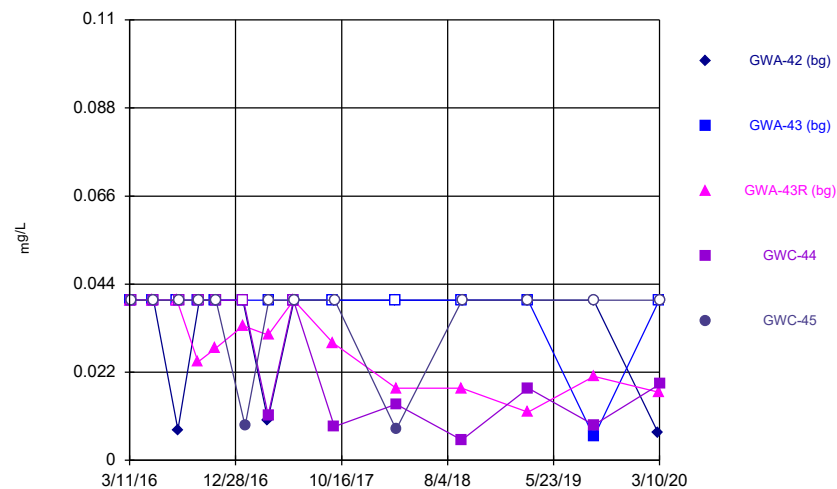
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



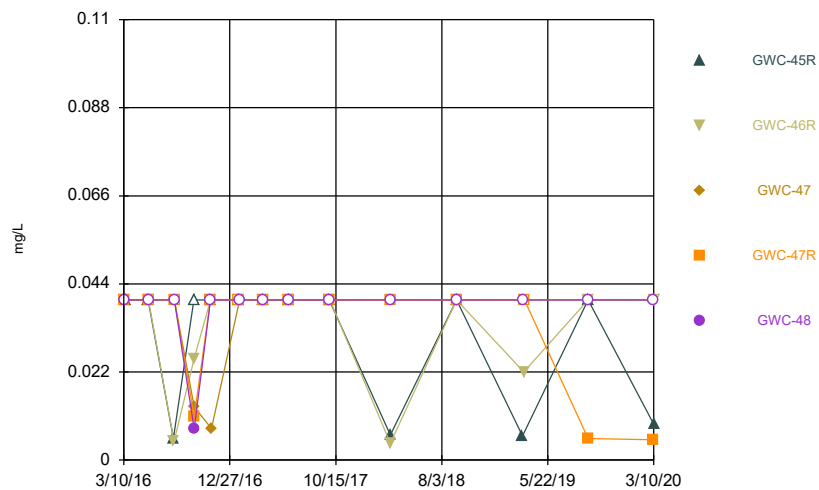
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



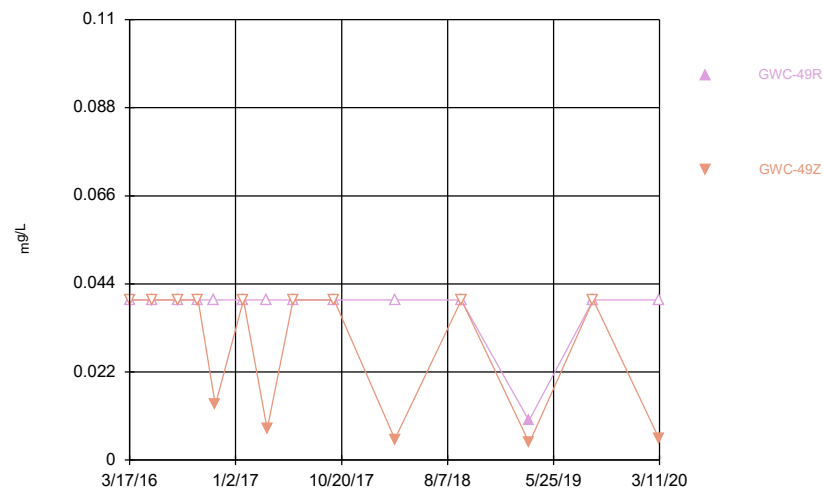
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



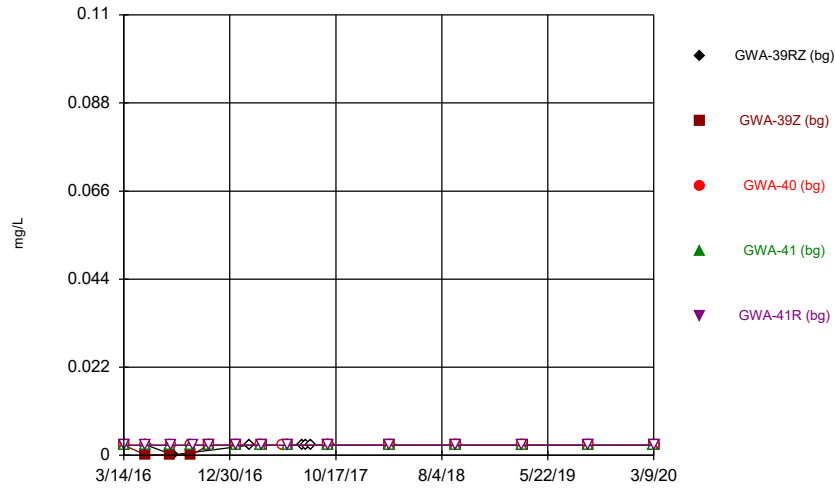
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



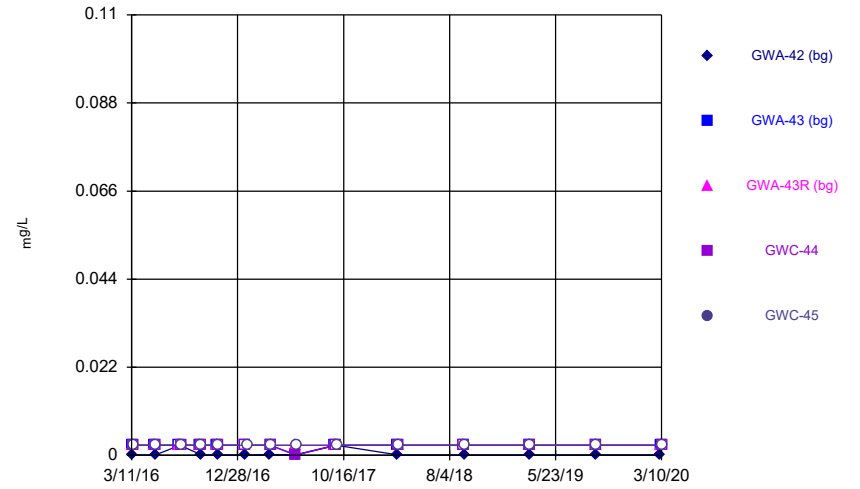
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



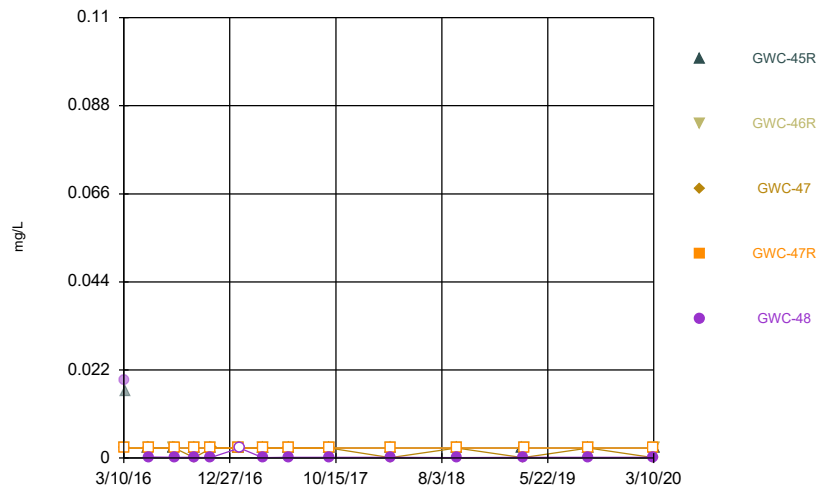
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



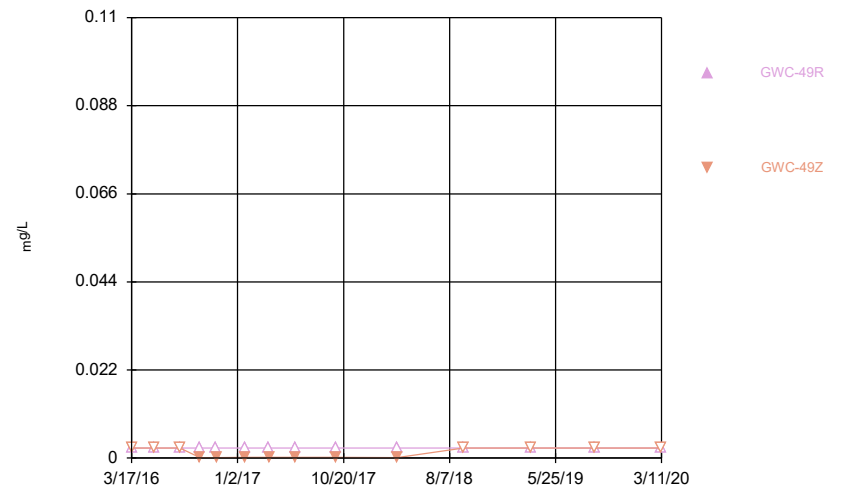
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



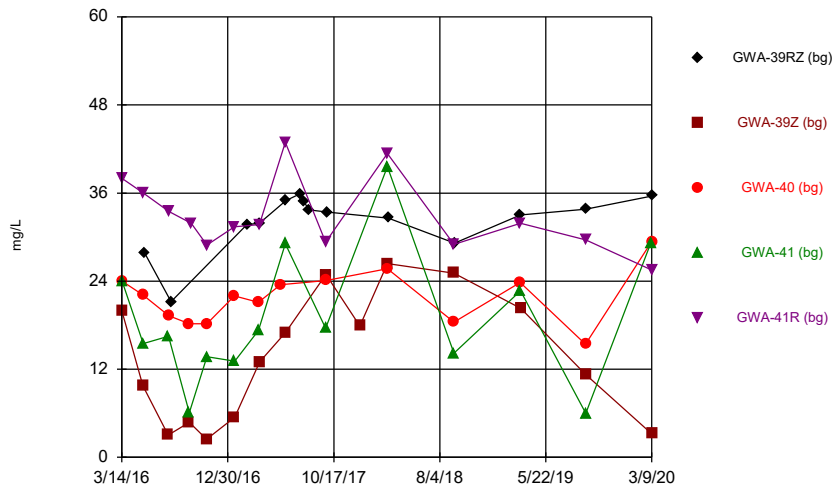
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



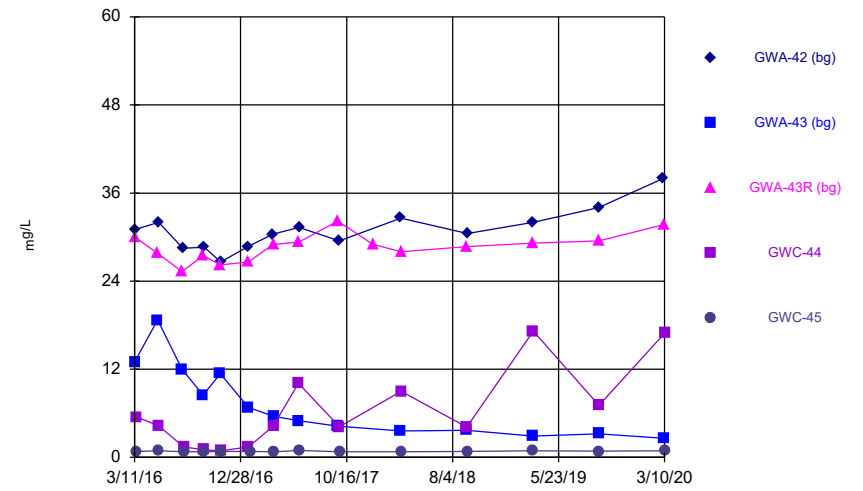
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



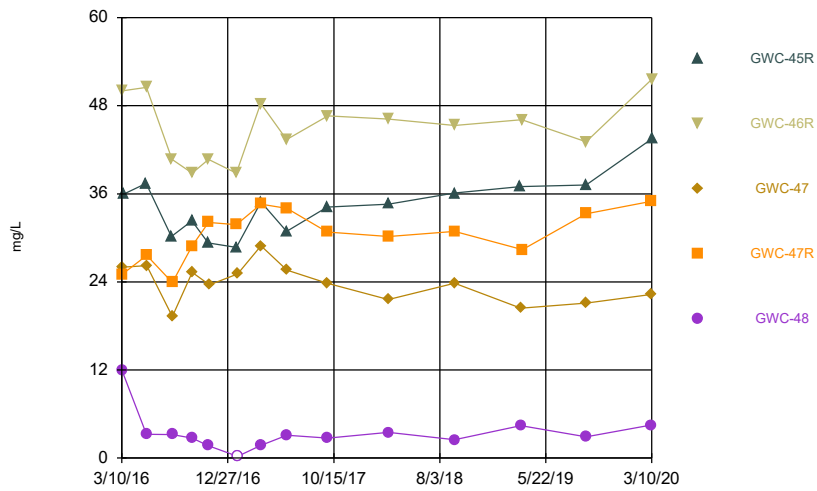
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



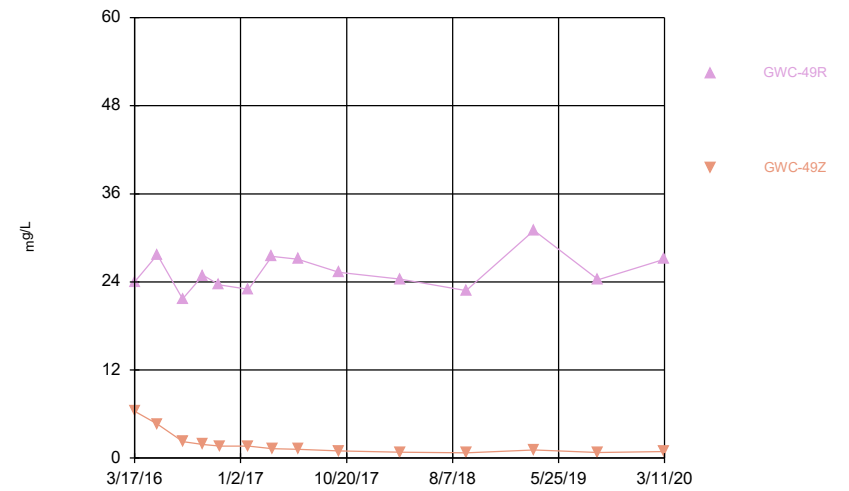
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



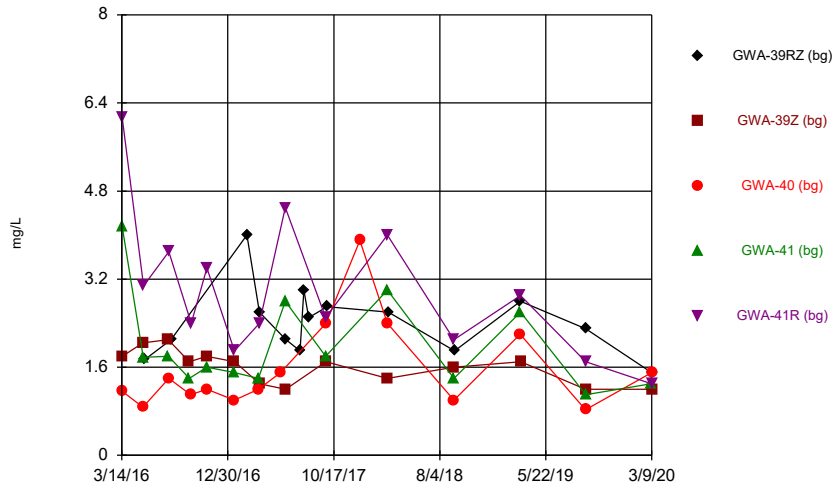
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



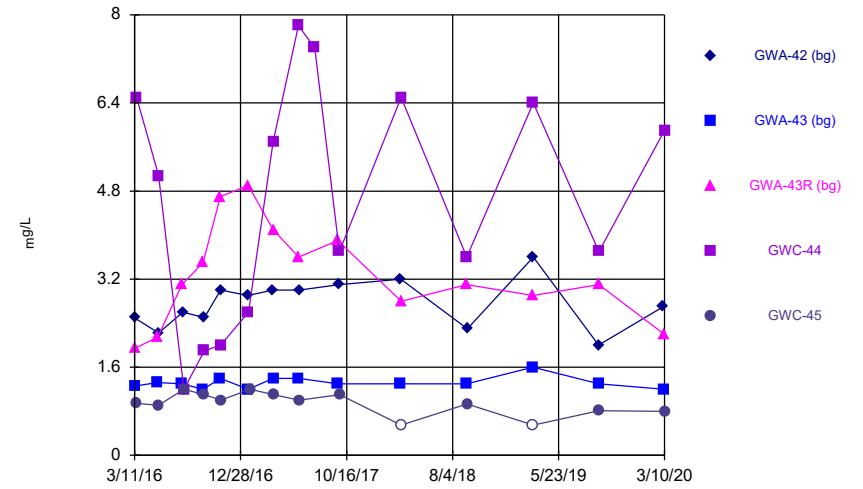
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



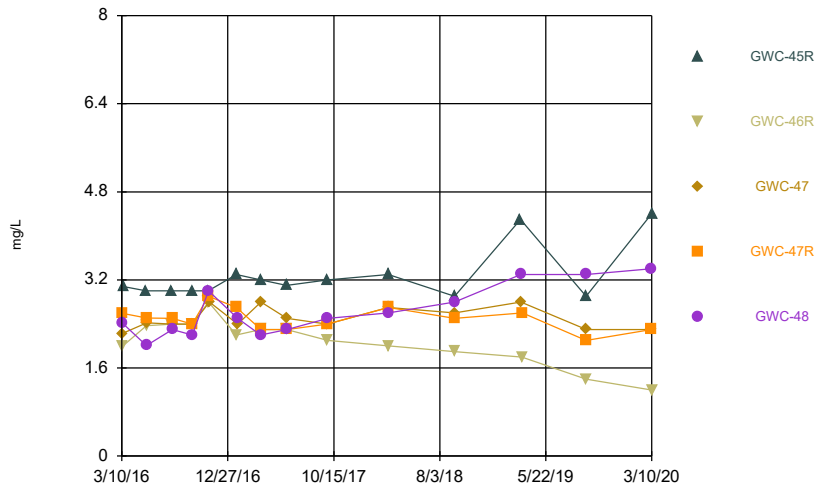
Constituent: Chloride Analysis Run 4/17/2020 7:18 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



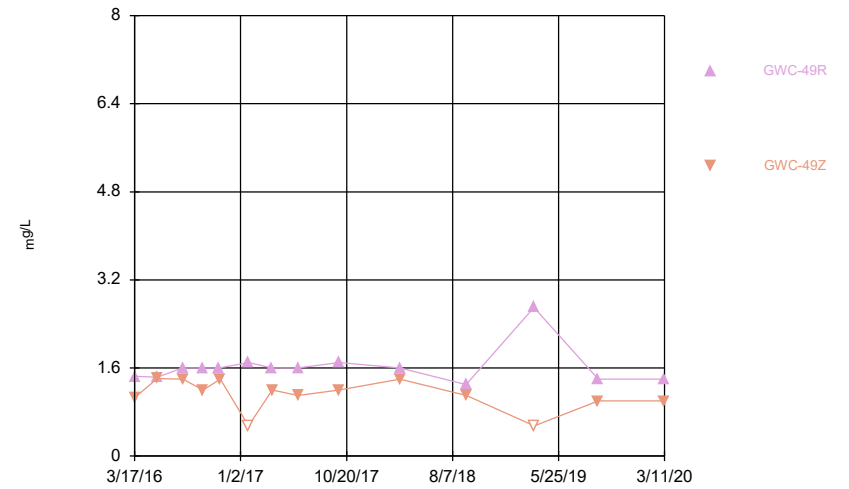
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



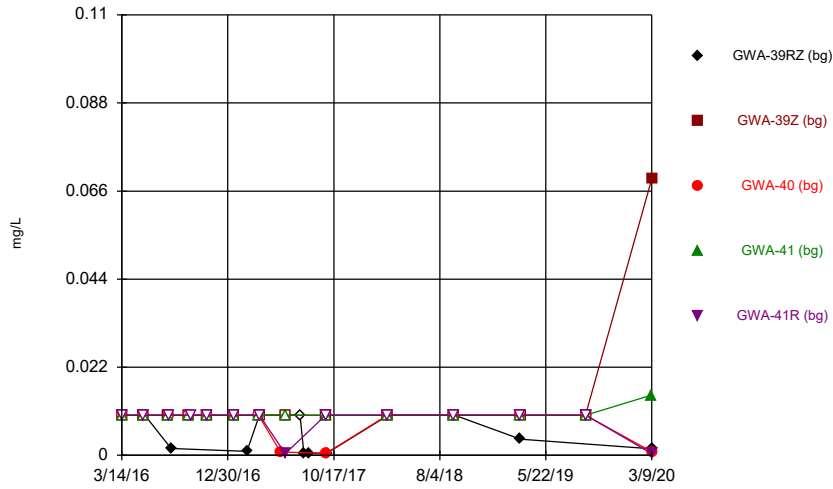
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



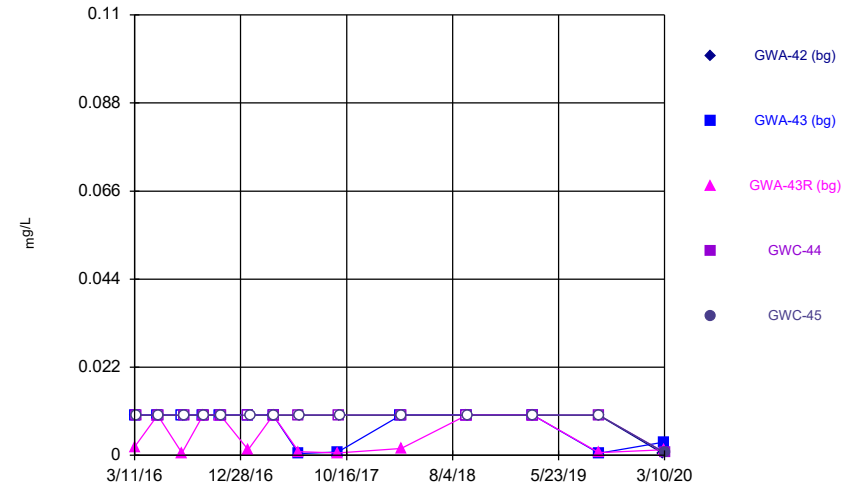
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



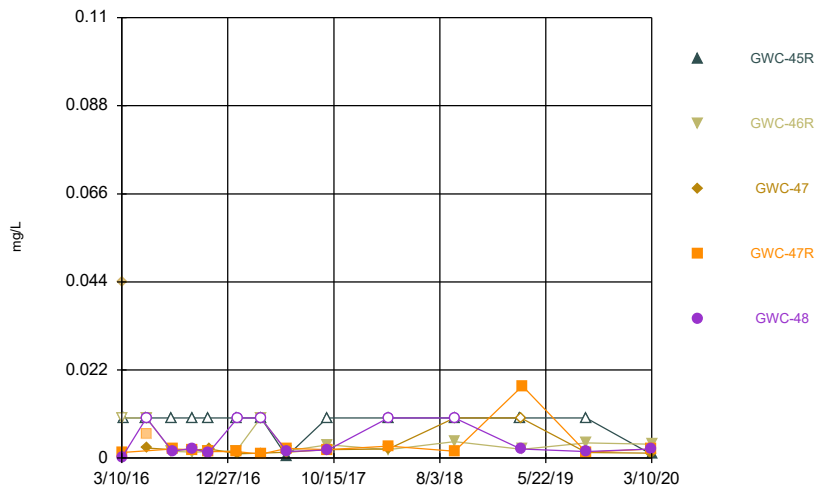
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



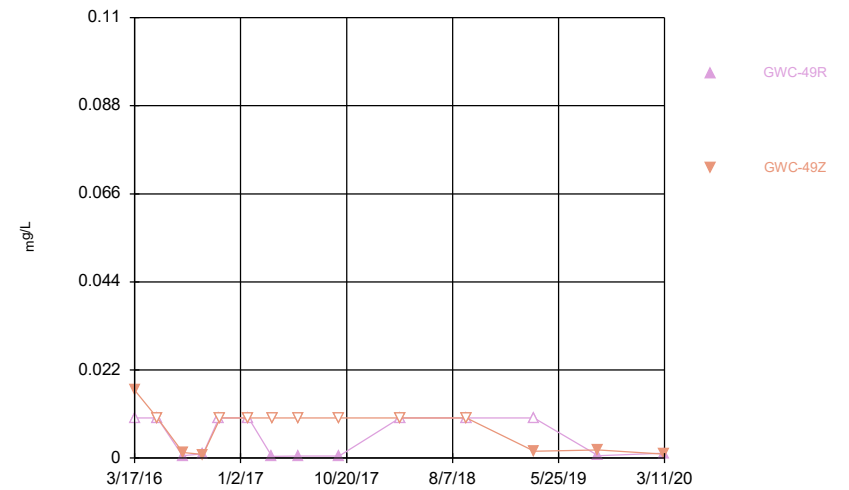
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



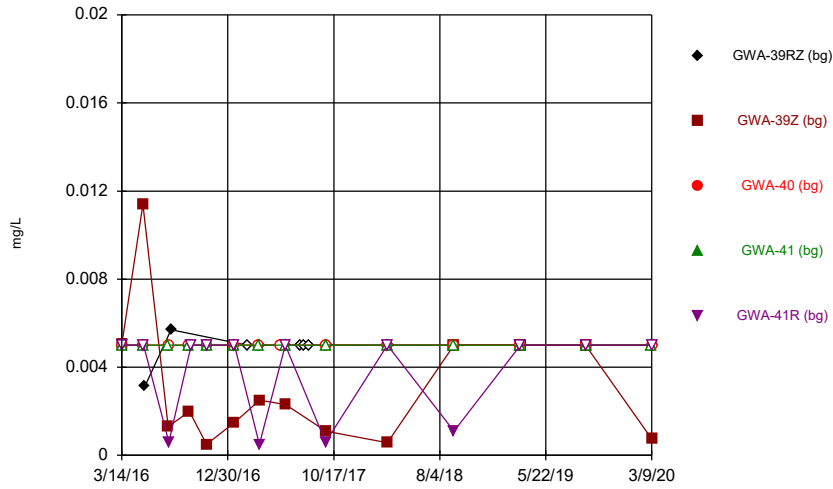
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



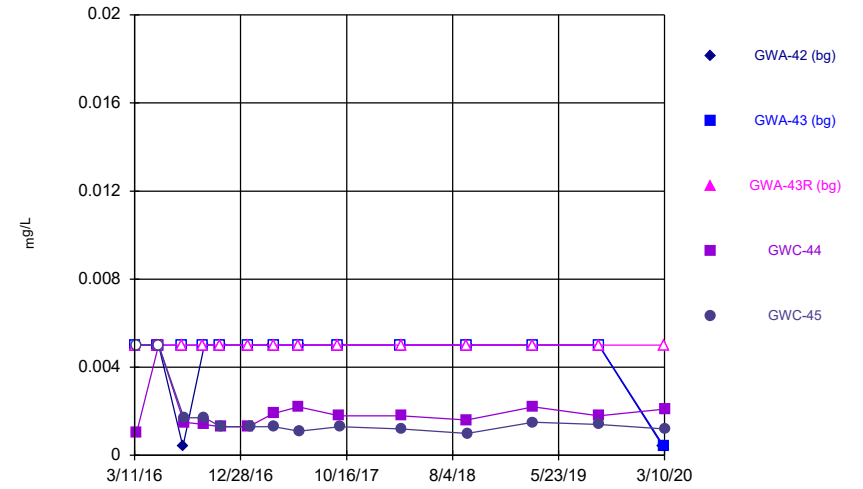
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Time Series



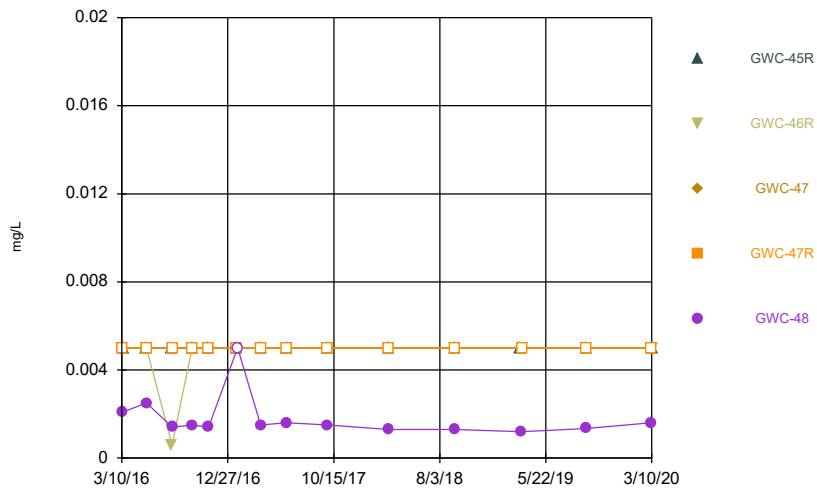
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



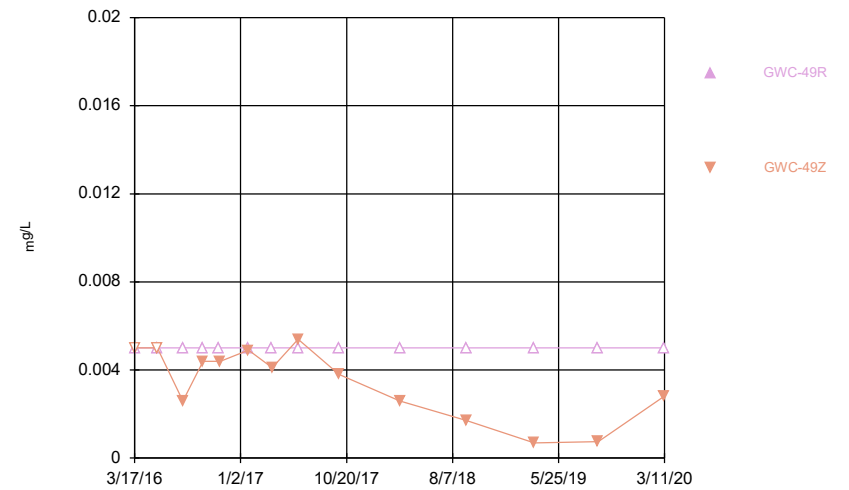
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



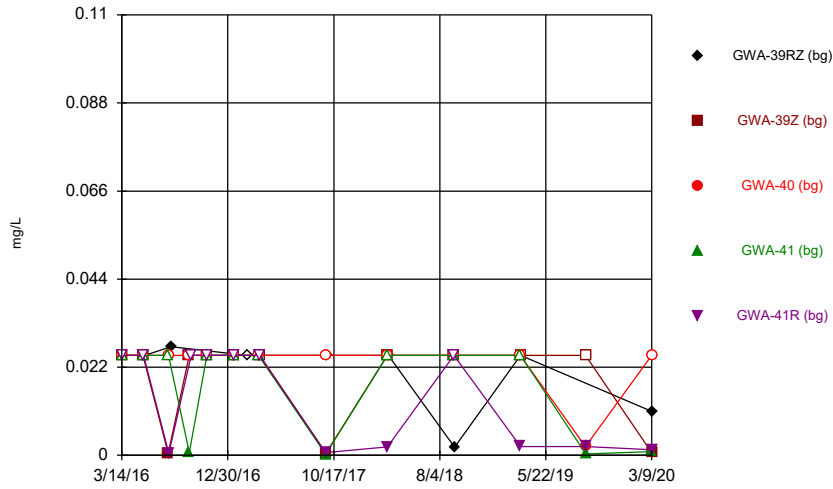
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Time Series



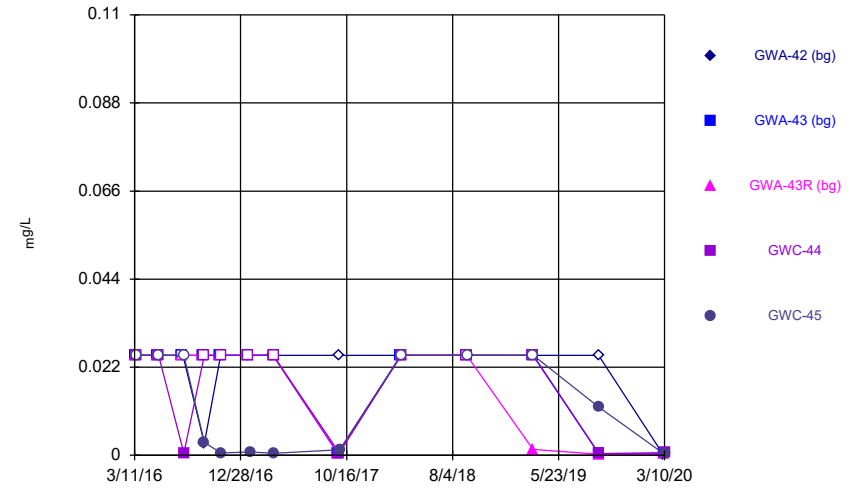
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Time Series



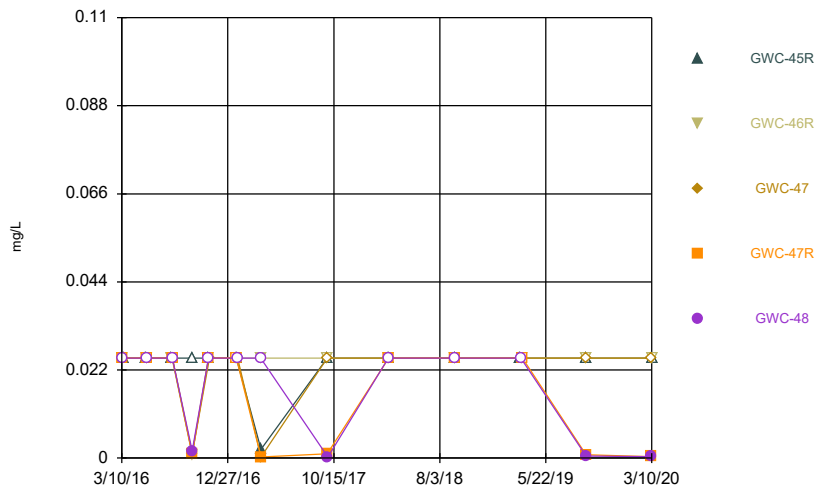
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



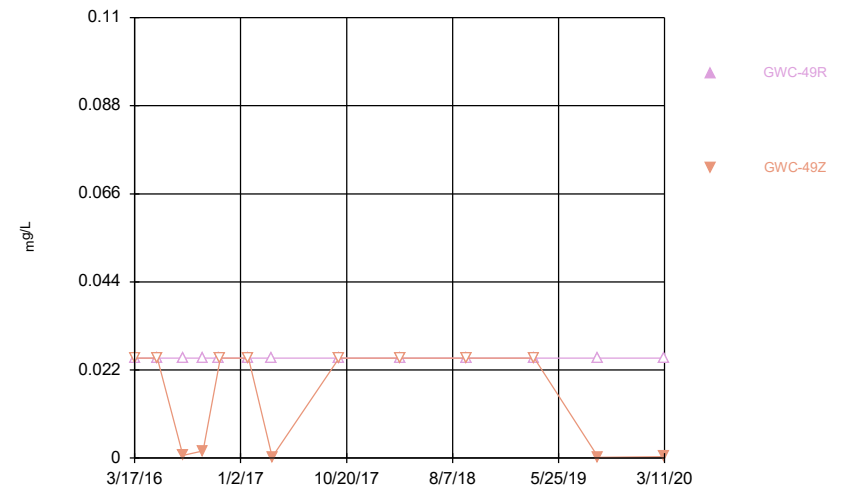
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Time Series



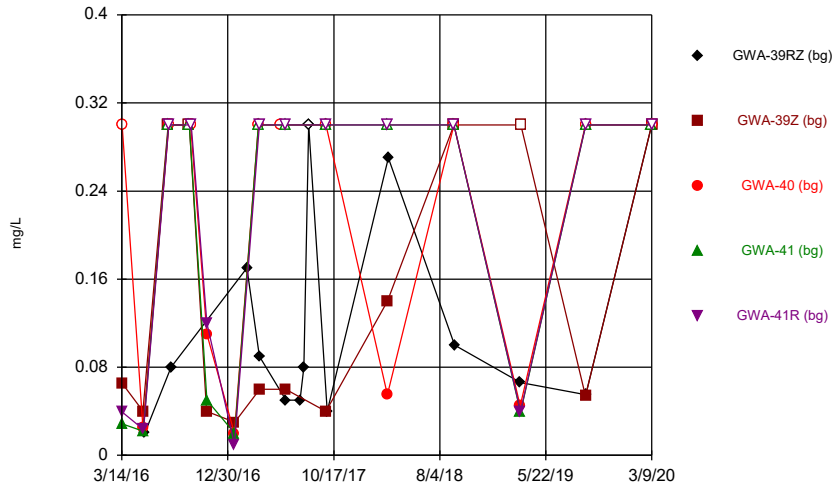
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Time Series



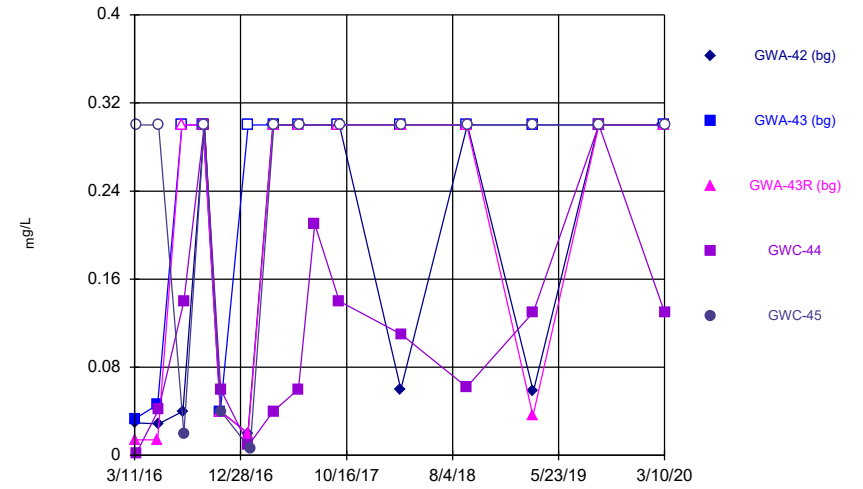
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Time Series



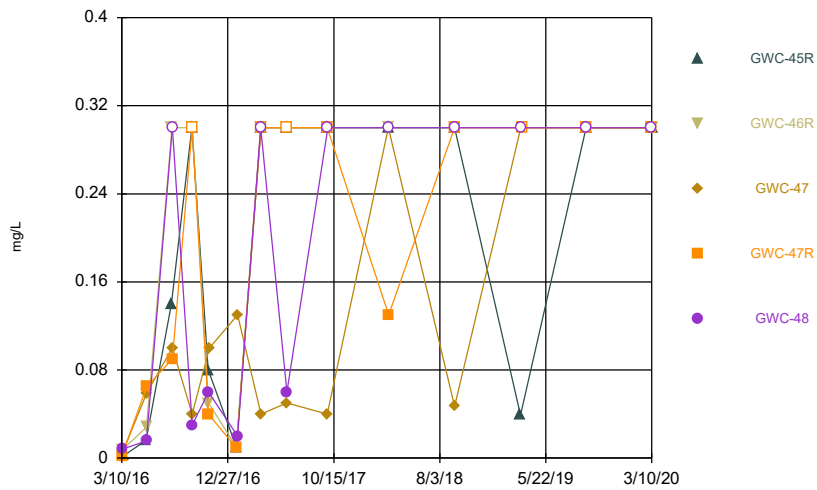
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



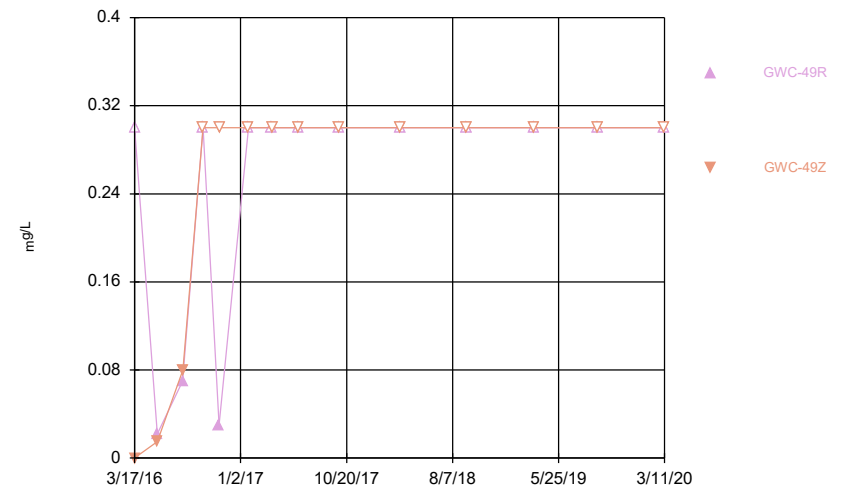
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Time Series



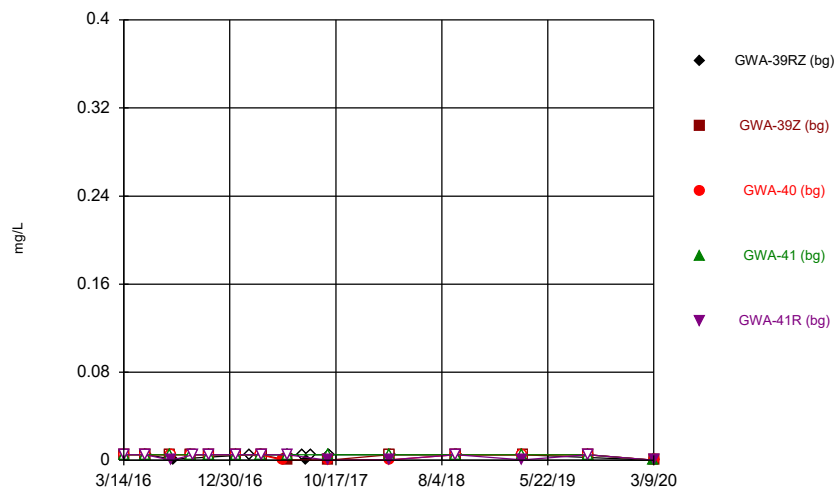
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



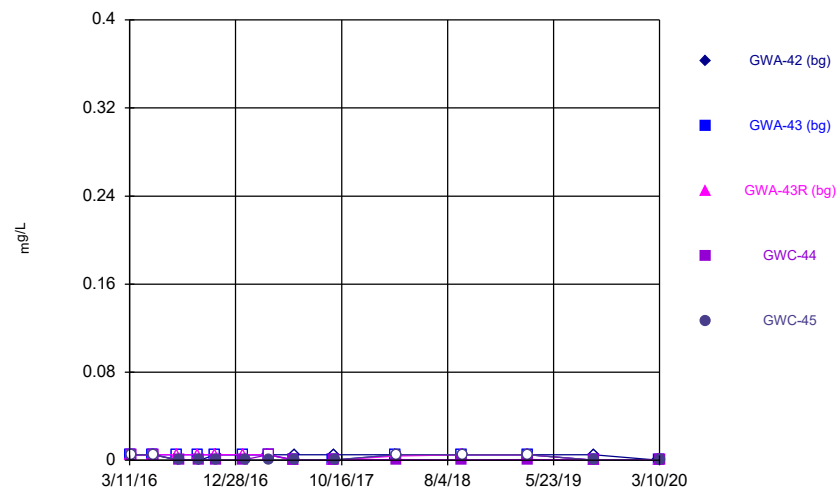
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



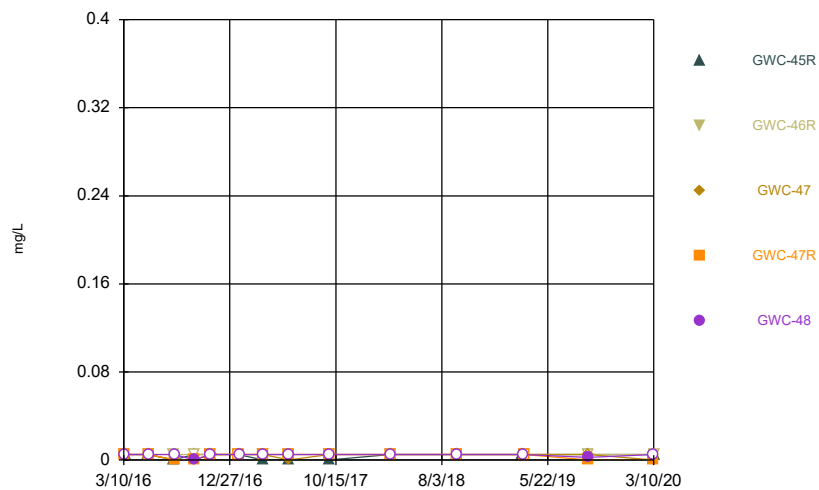
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



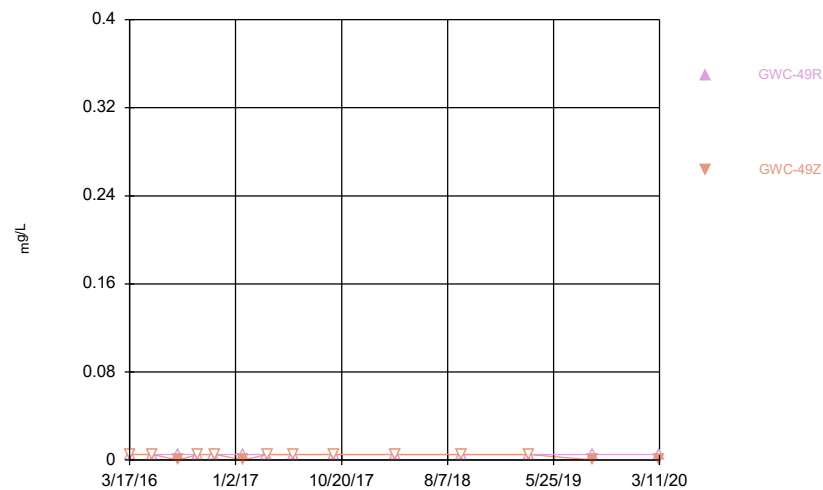
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



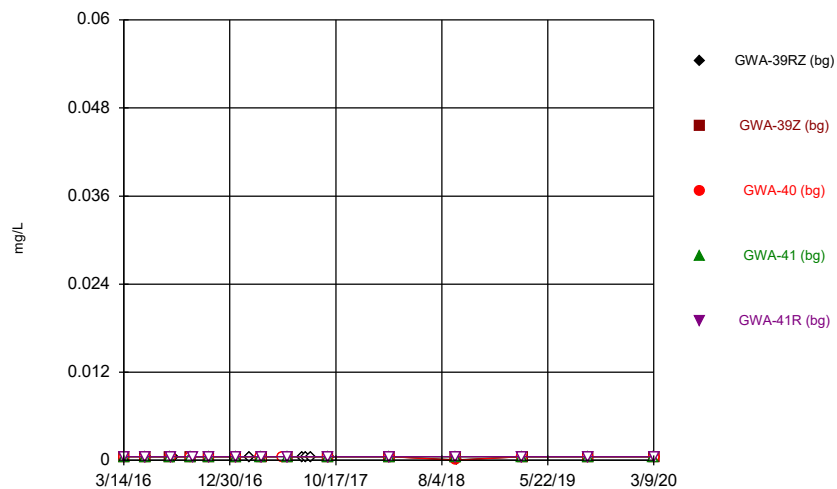
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Time Series



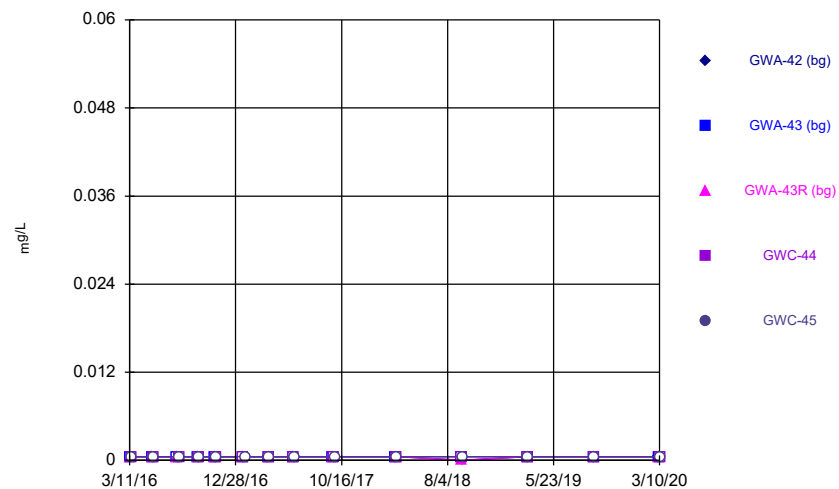
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Time Series



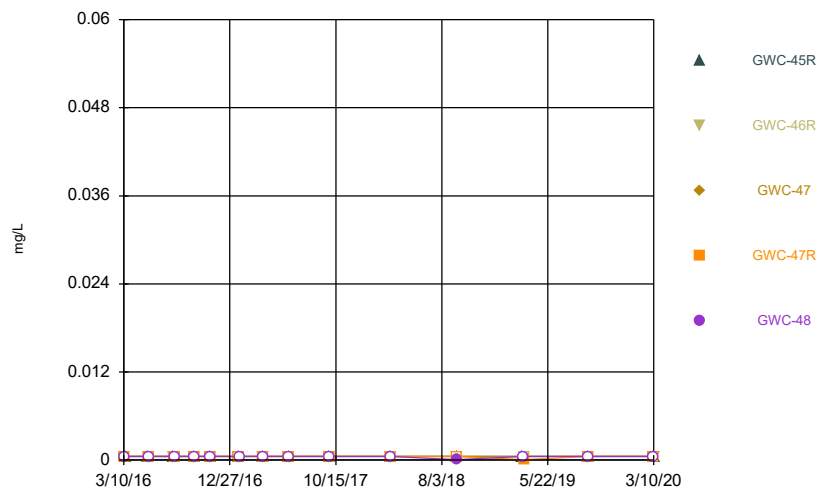
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



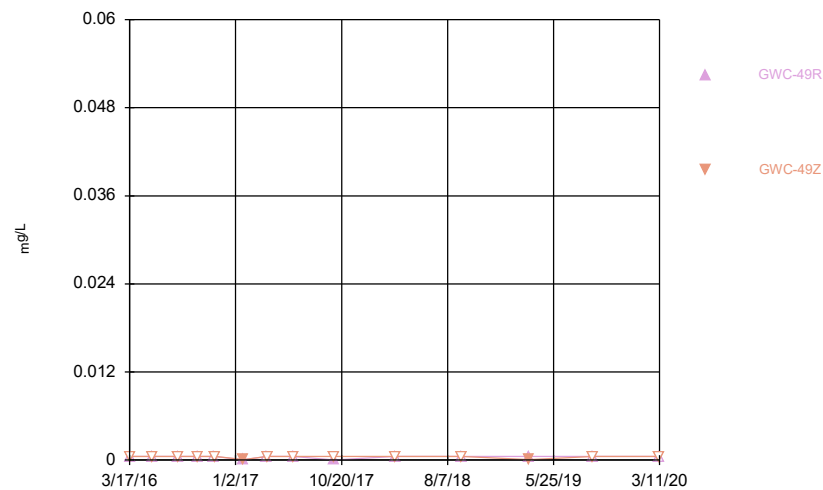
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



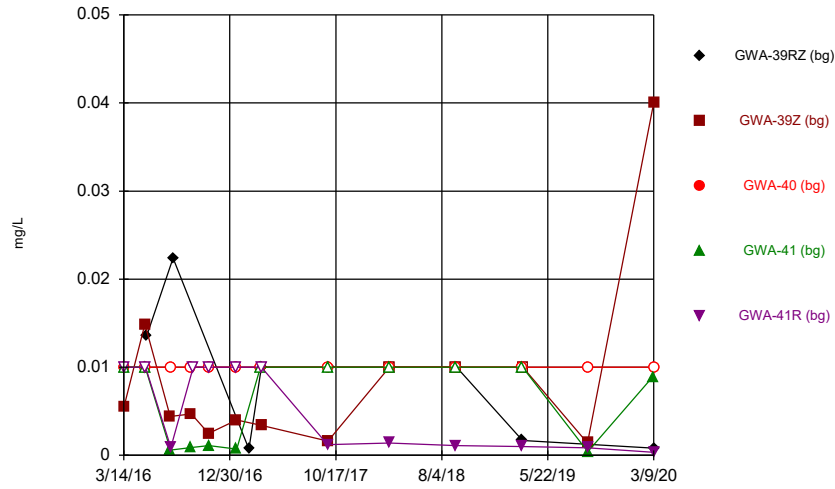
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Time Series



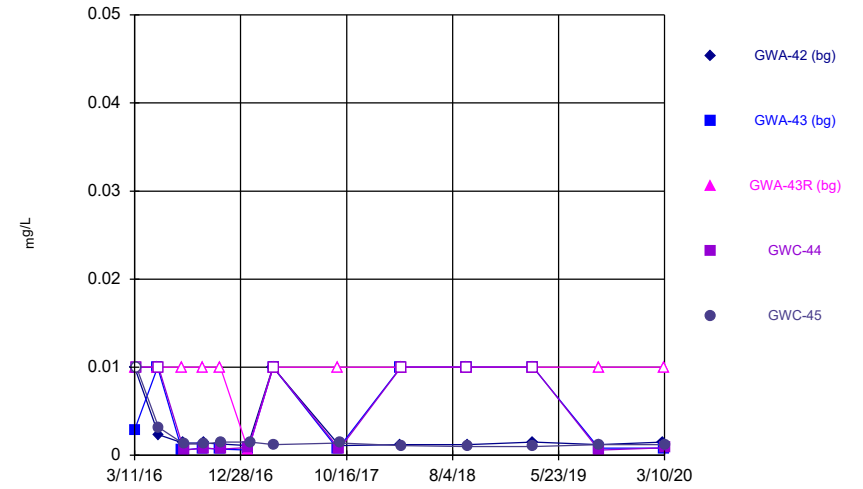
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



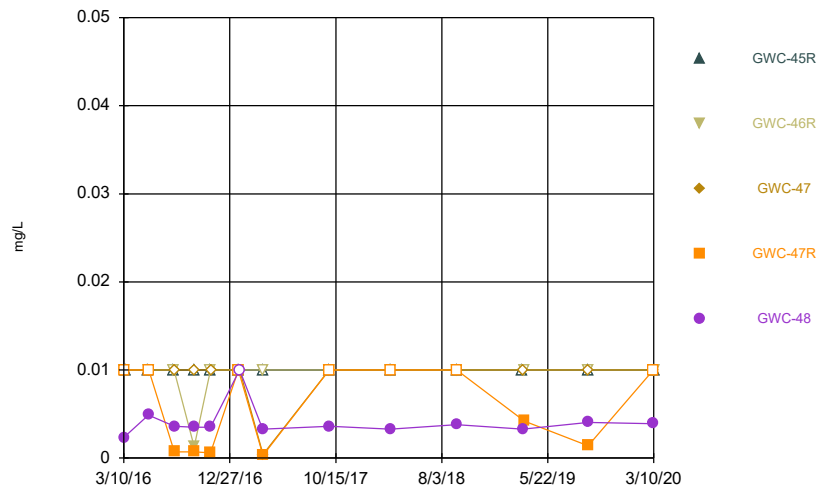
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



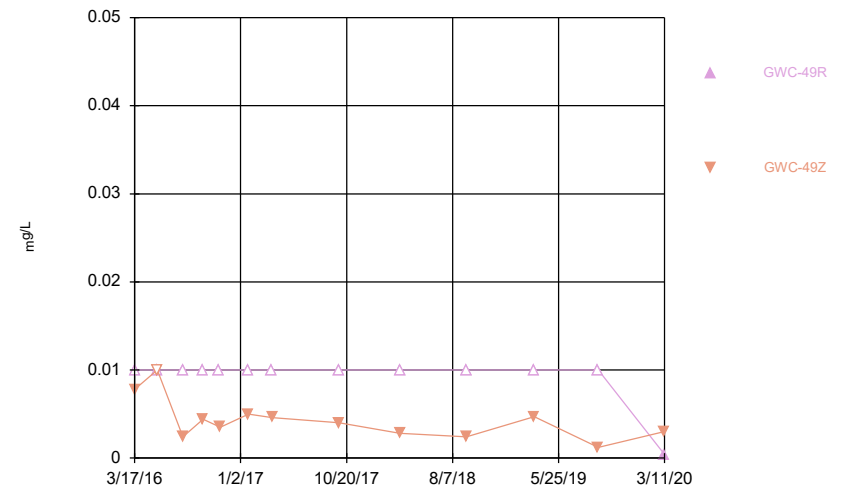
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



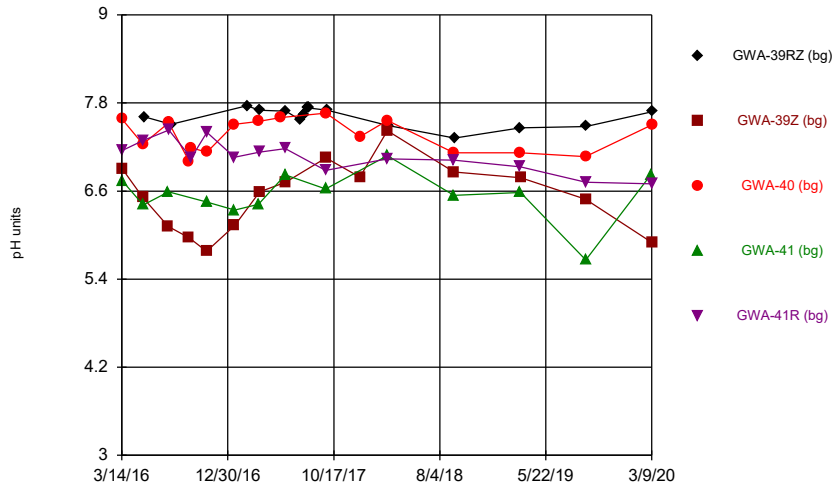
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



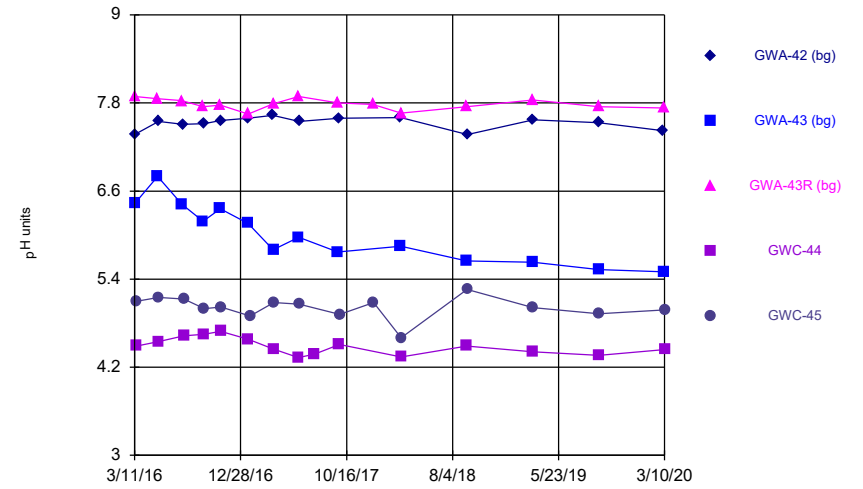
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



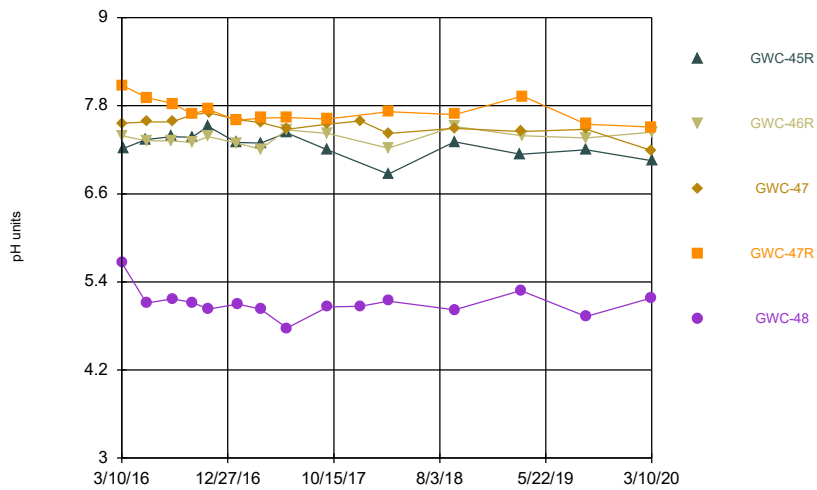
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



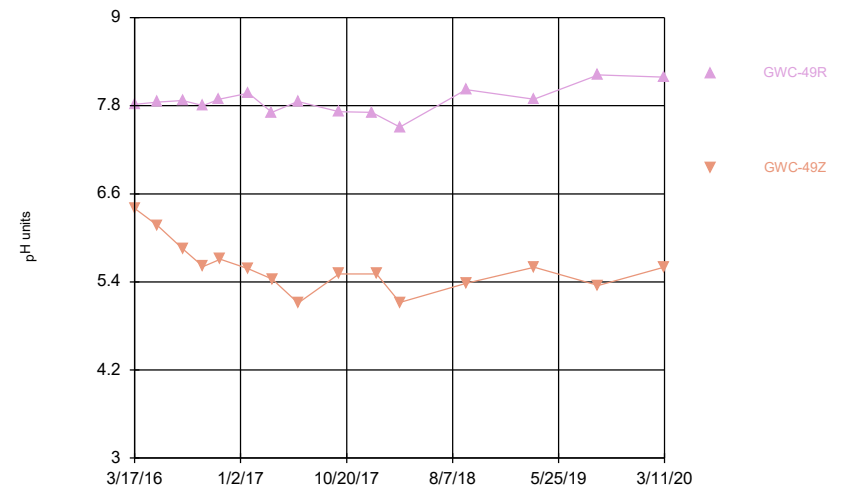
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



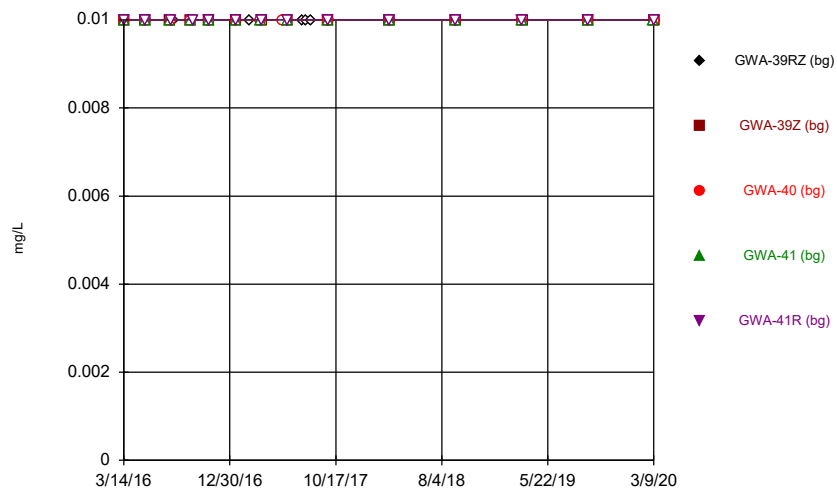
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



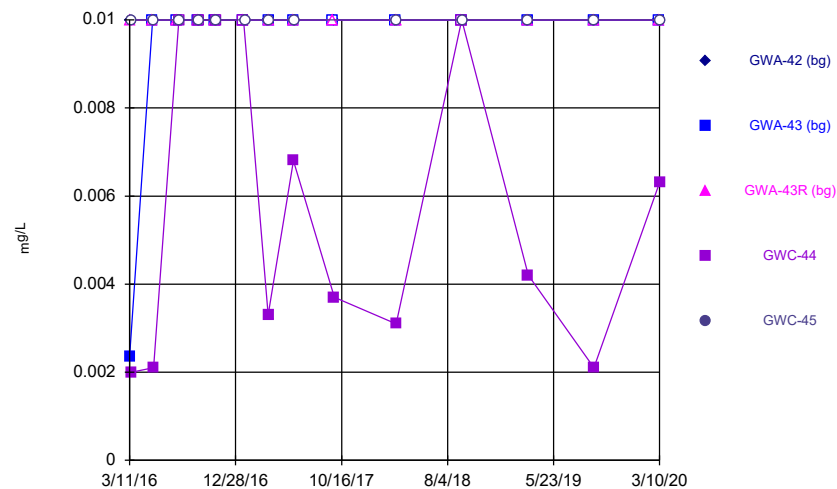
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



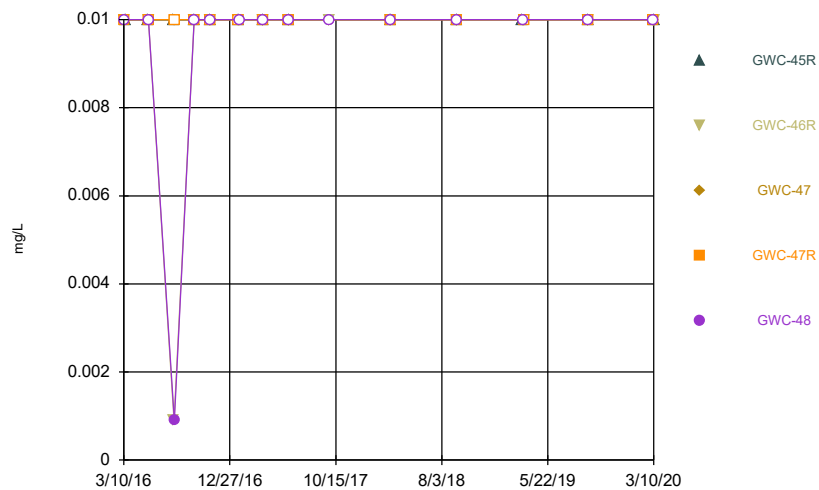
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



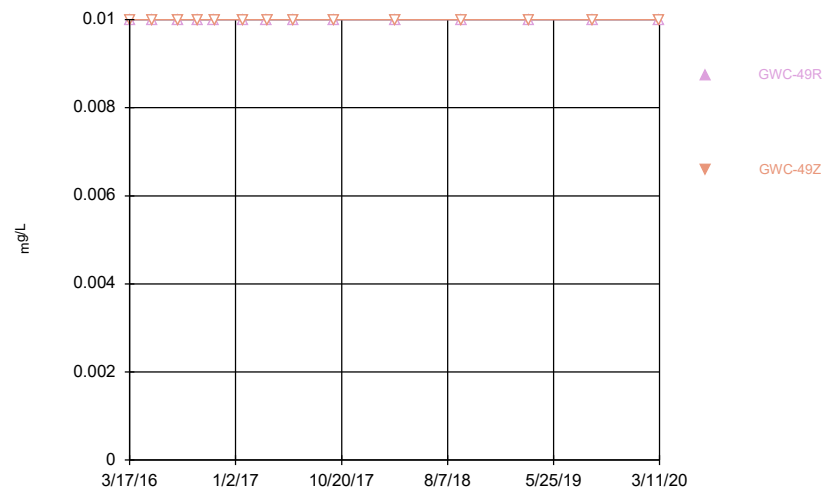
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



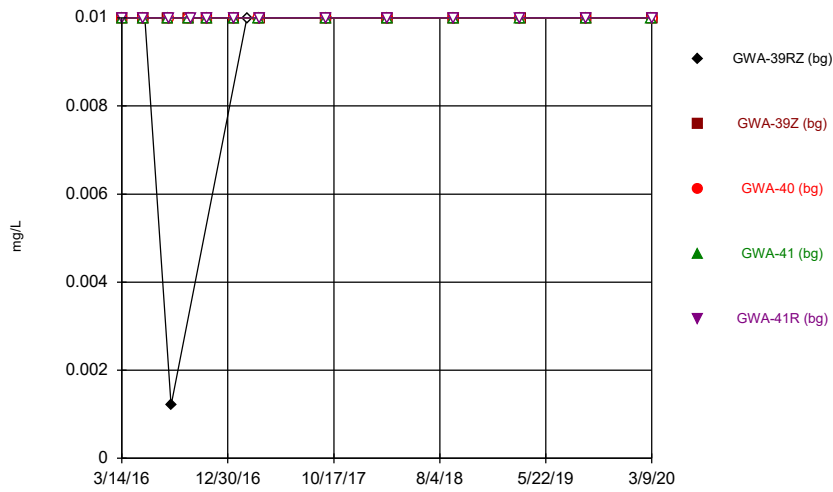
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Time Series



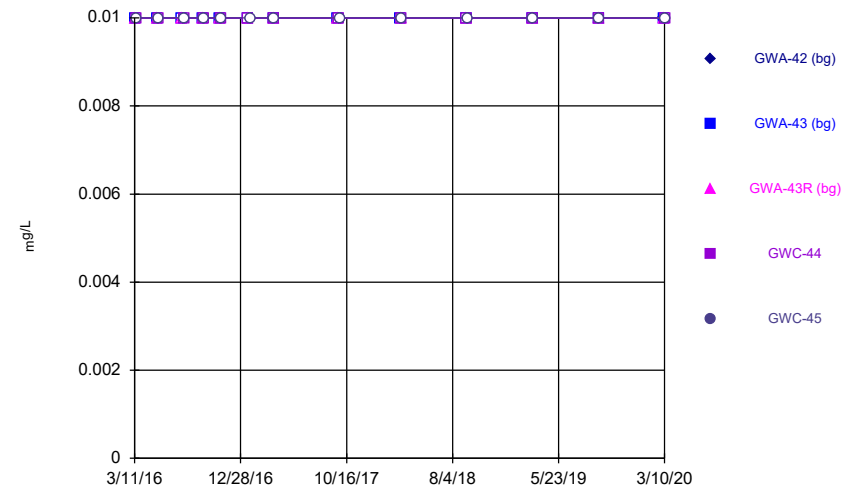
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



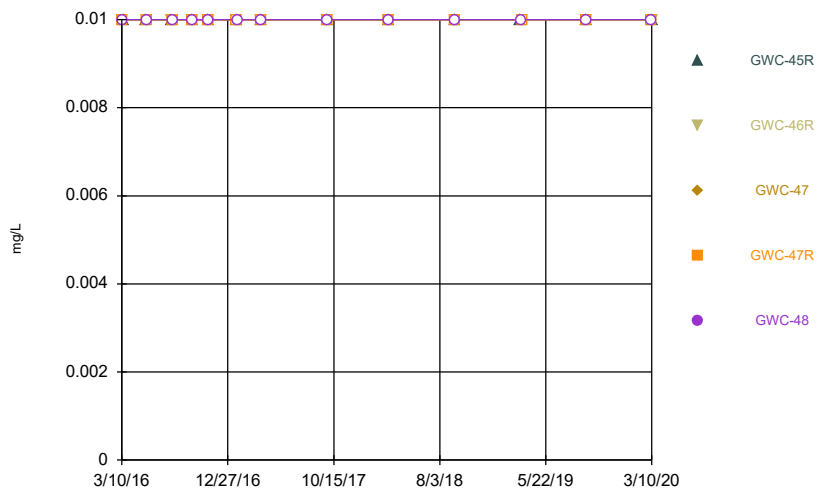
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



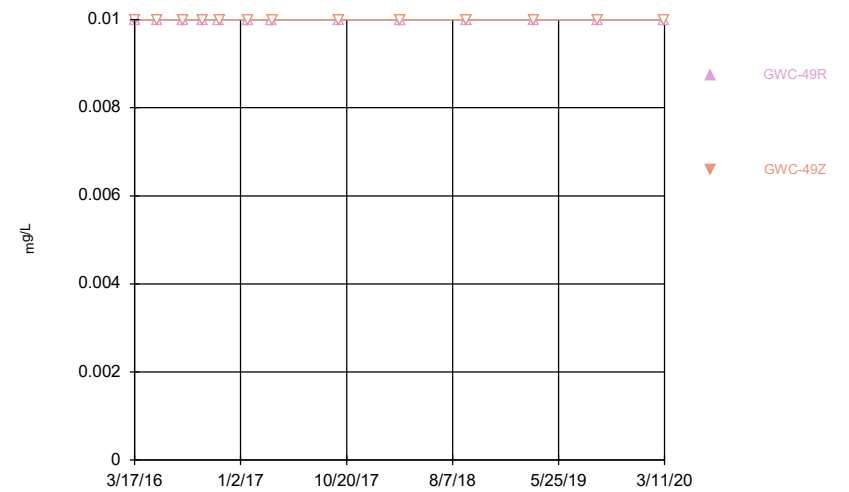
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



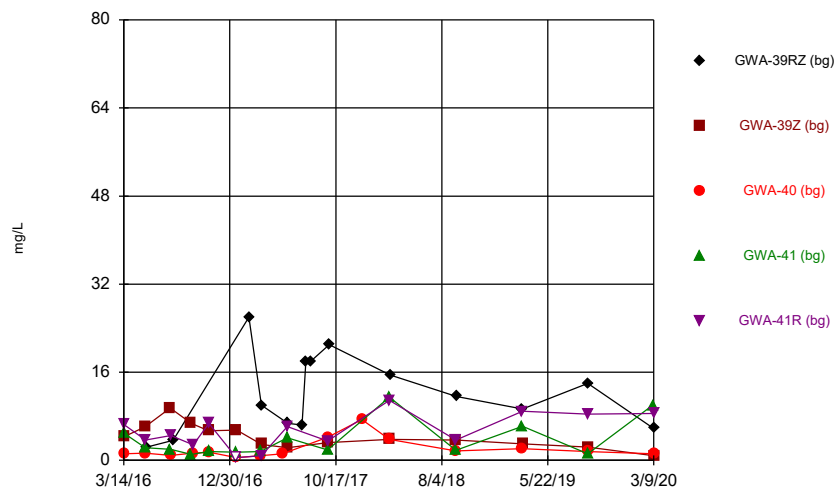
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



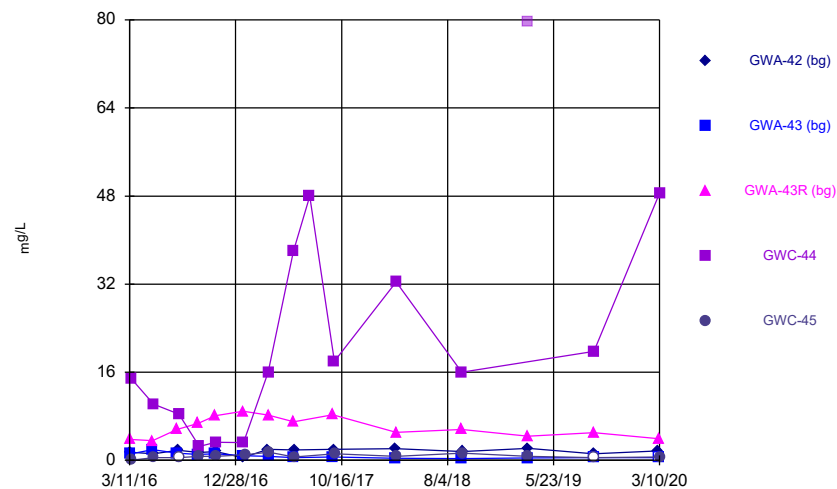
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



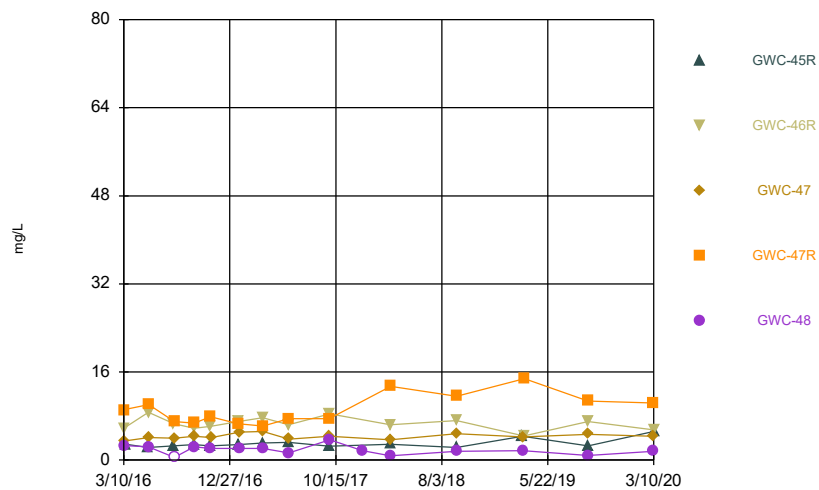
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



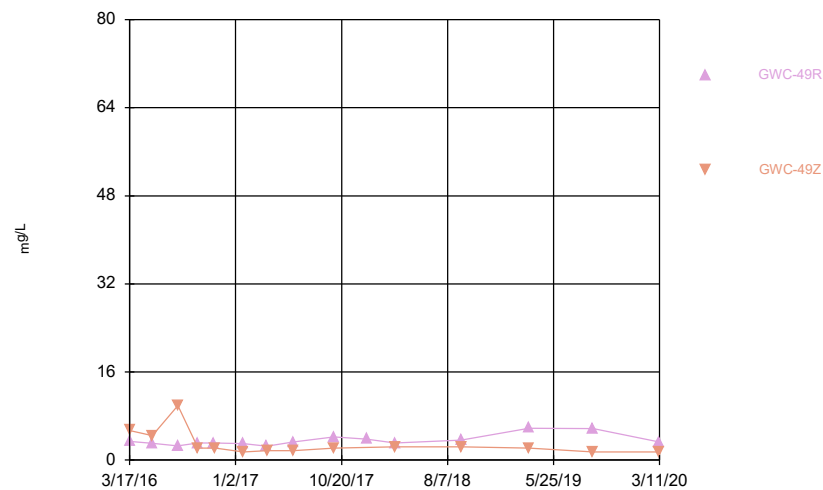
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



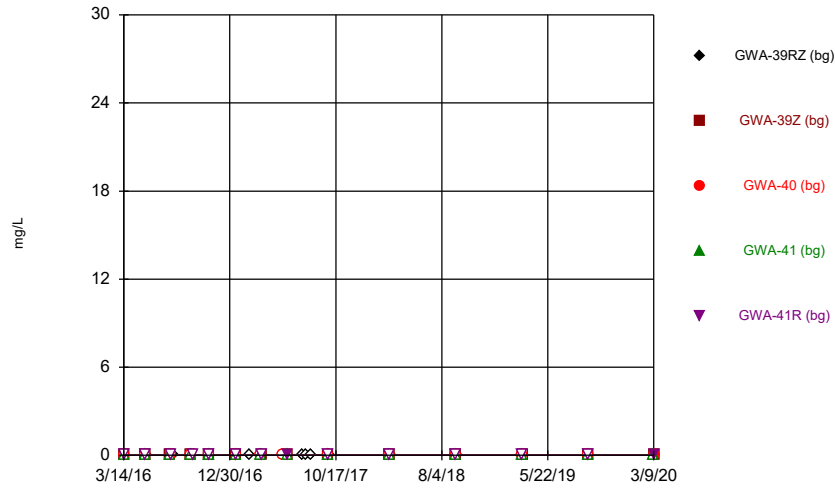
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Time Series



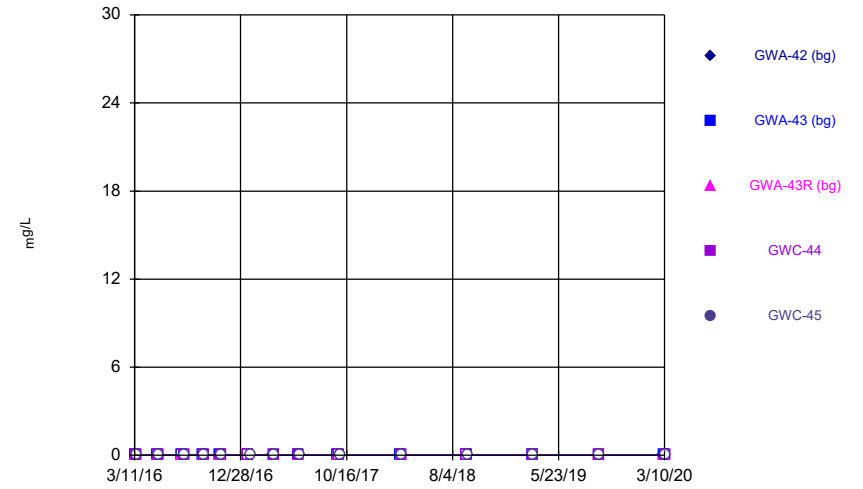
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



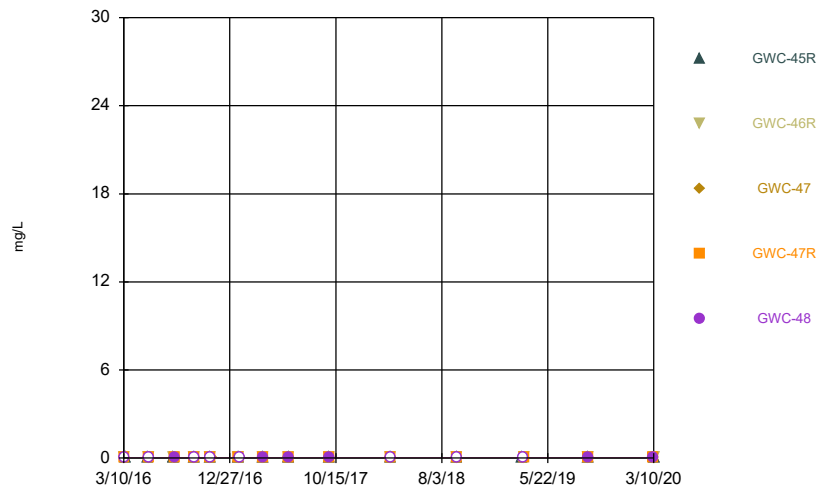
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



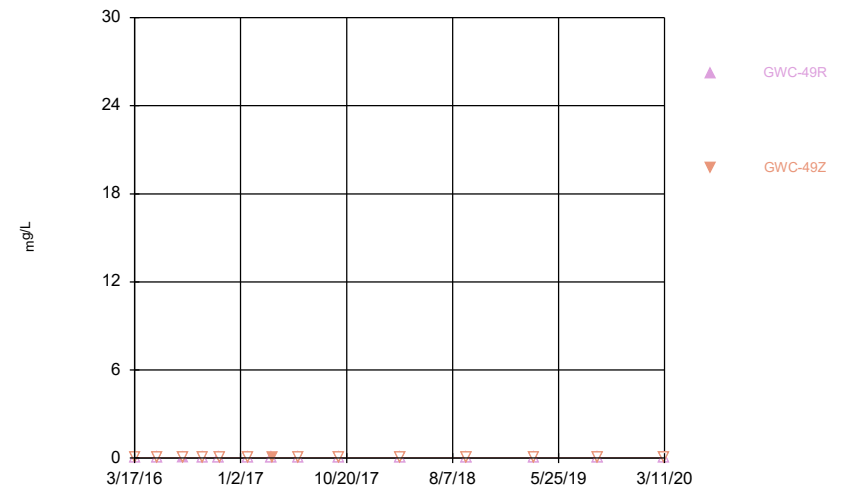
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



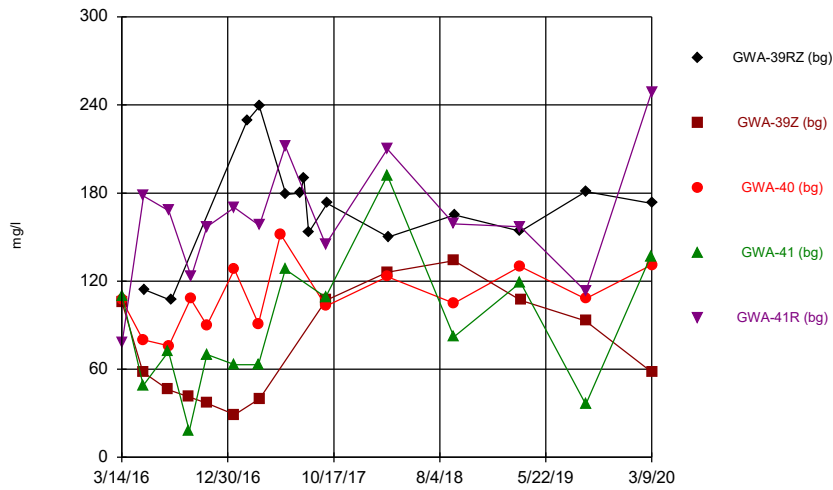
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



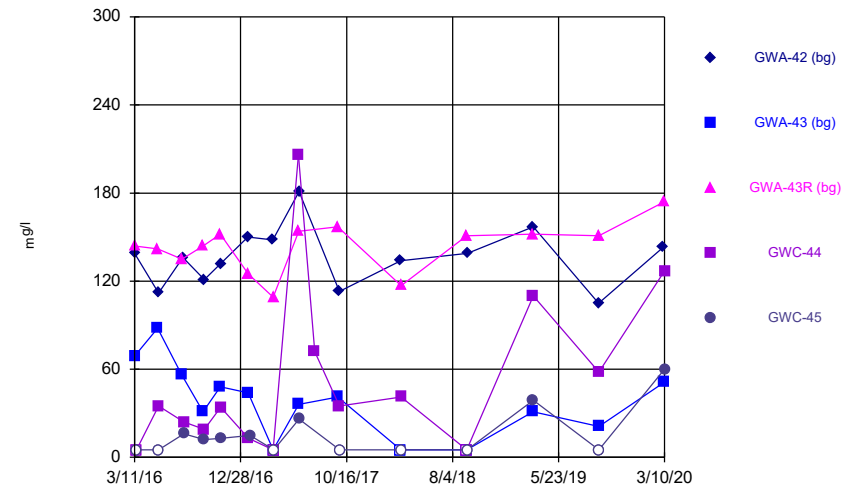
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



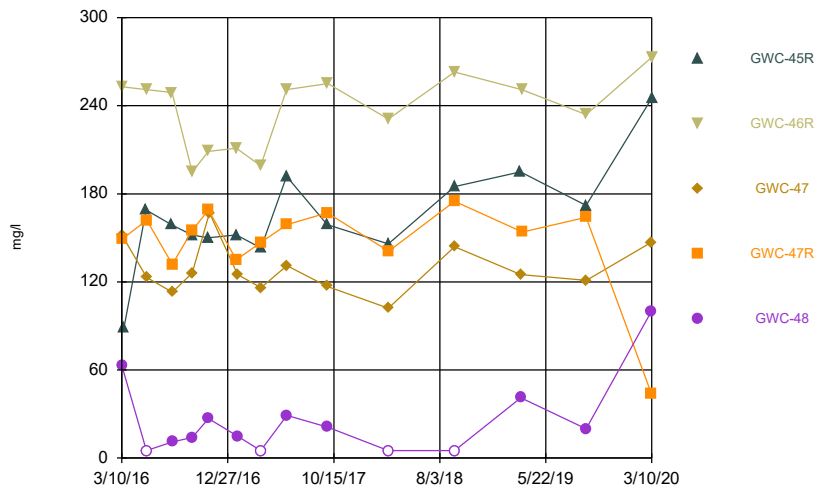
Constituent: Total Dissolved Solids Analysis Run 4/17/2020 7:19 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



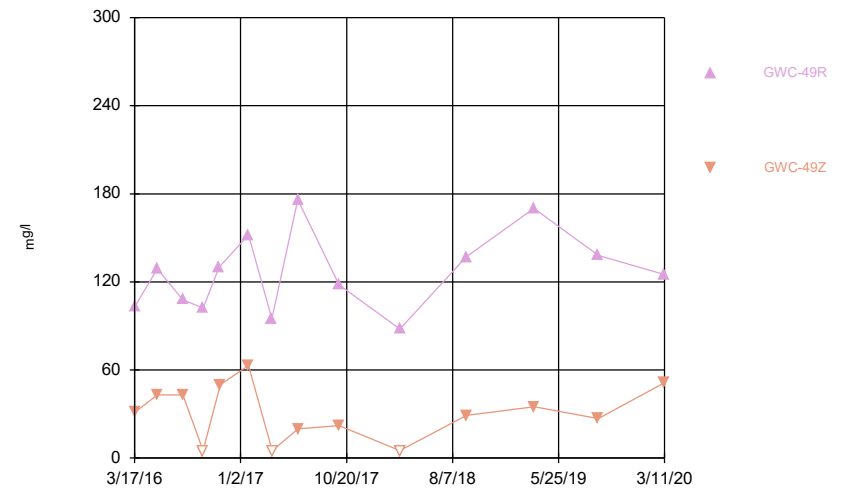
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



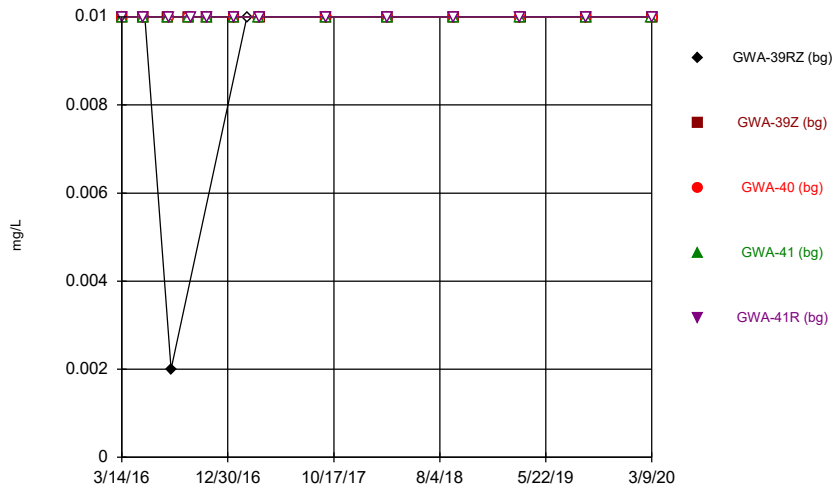
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



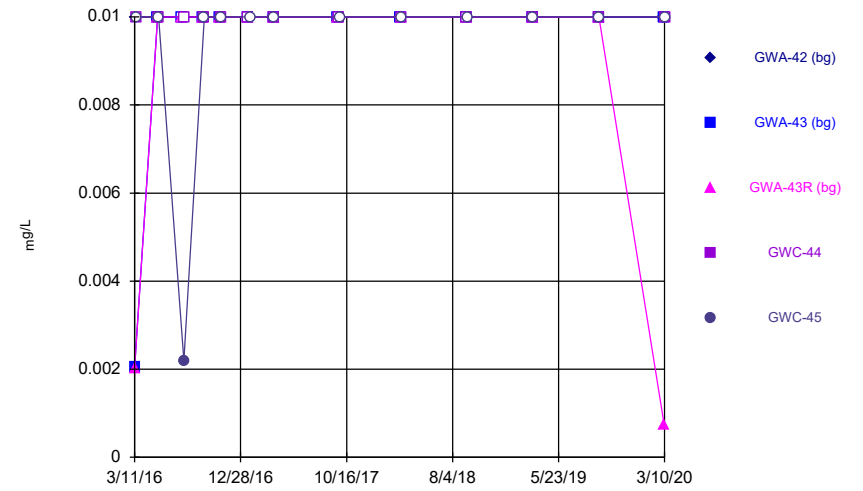
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



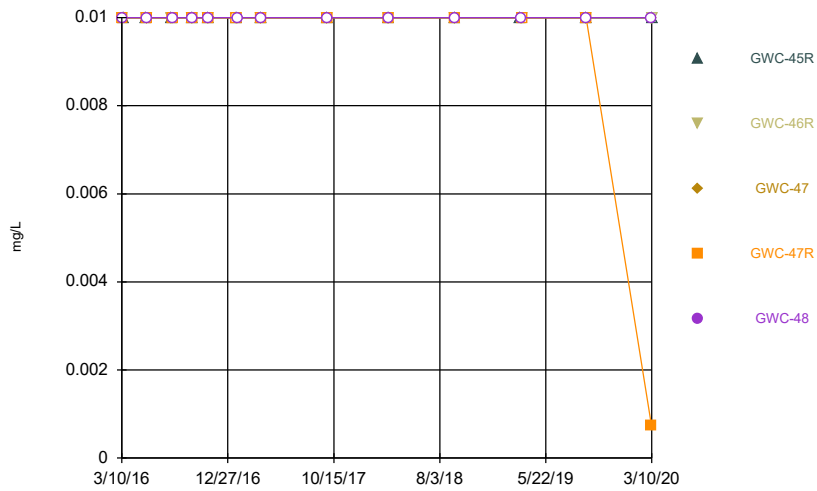
Constituent: Vanadium Analysis Run 4/17/2020 7:19 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



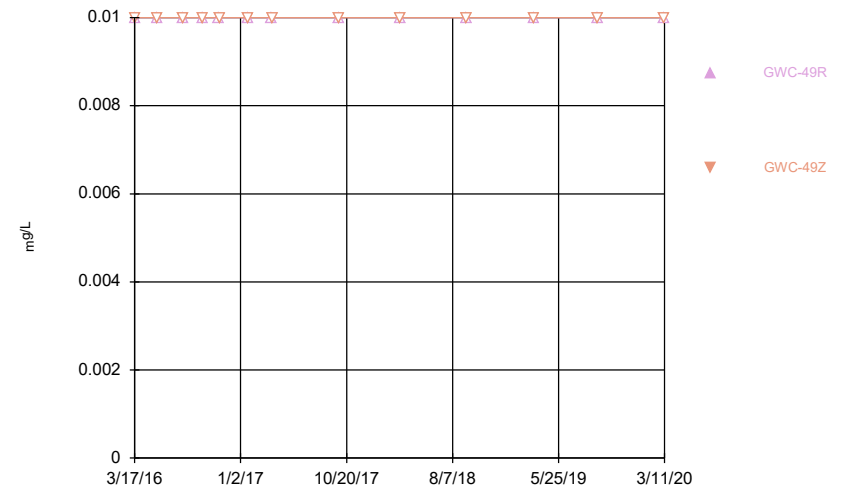
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



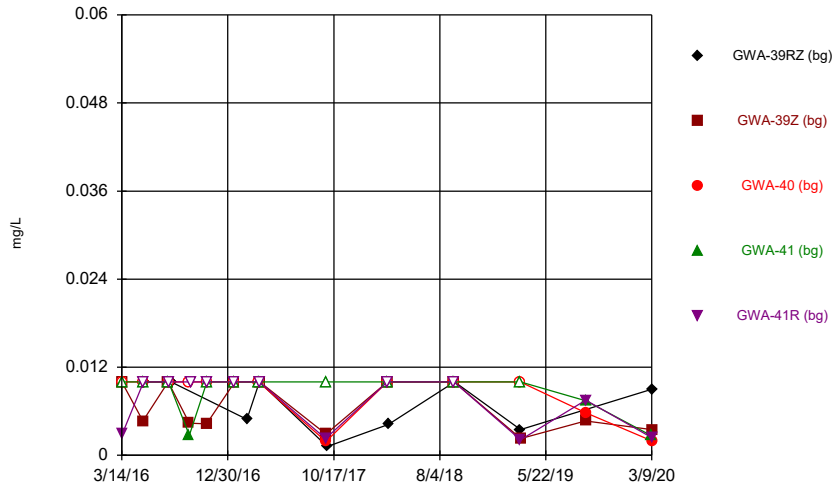
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



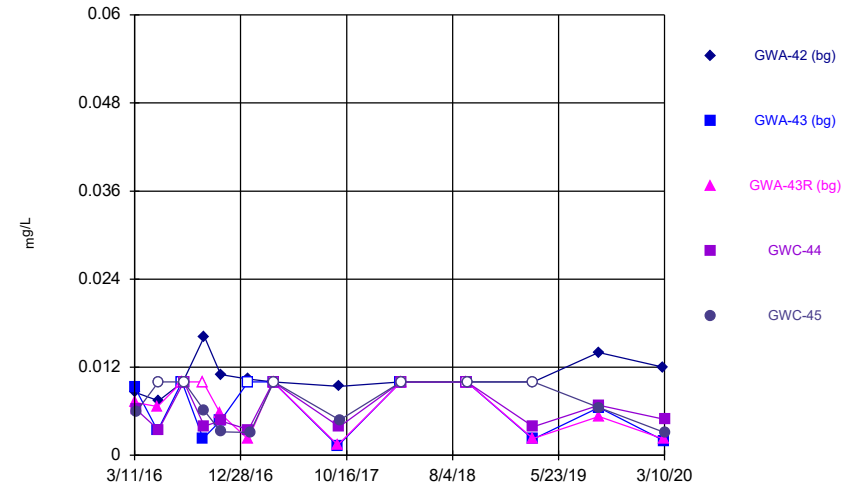
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



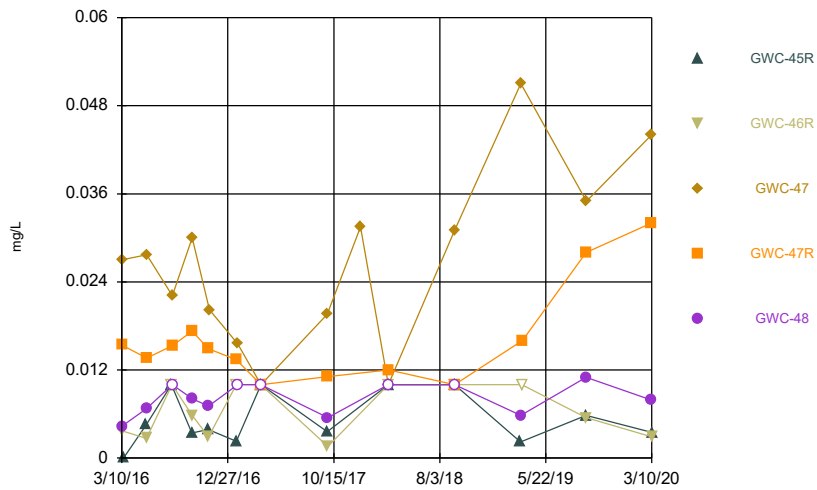
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



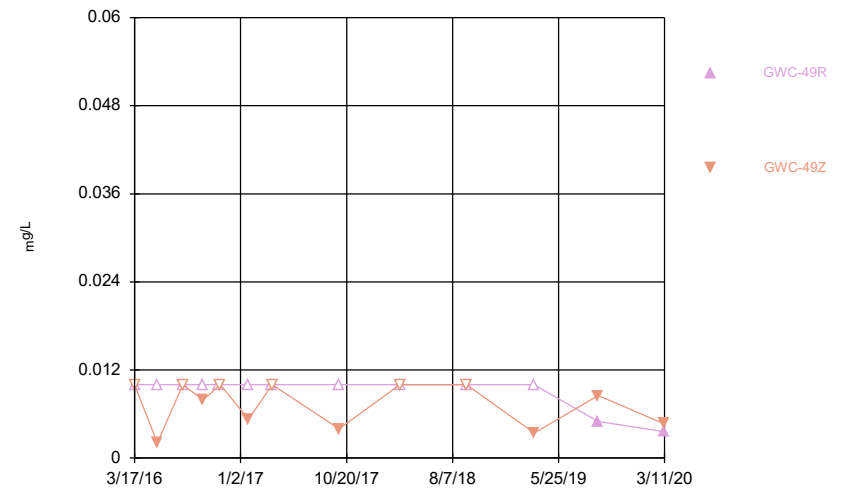
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



Constituent: Zinc Analysis Run 4/17/2020 7:19 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



Constituent: Zinc Analysis Run 4/17/2020 7:19 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
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3/14/2016		0.003							
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3/16/2016									<0.003
5/11/2016		0.000839 (J)	<0.003						
5/12/2016				<0.003					
5/13/2016					<0.003		<0.003	<0.003	
5/16/2016	<0.003 (D)					<0.003			<0.003
7/19/2016		0.0024 (J)					<0.003 (*)	<0.003	
7/20/2016				<0.003					
7/21/2016			<0.003		<0.003 (*)				
7/22/2016						0.002 (J)			
7/25/2016									<0.003 (*)
7/27/2016	0.0003 (JD)								
9/15/2016		0.0009 (J)	<0.003	<0.003					
9/16/2016							<0.003	<0.003	
9/19/2016						<0.003			<0.003
9/21/2016					<0.003				
11/2/2016		0.001 (J)					<0.003	<0.003	
11/3/2016			0.0021 (J)	<0.003	<0.003	<0.003			<0.003
1/17/2017			<0.003		<0.003	<0.003			
1/18/2017		0.0017 (J)		<0.003			<0.003	0.0013 (J)	
1/19/2017									<0.003
2/21/2017	0.0057								
3/24/2017			<0.003	<0.003					
3/27/2017	0.0013 (JD)				0.0008 (J)	<0.003			
3/28/2017		0.0006 (J)					<0.003	<0.003	<0.003
5/24/2017			<0.003						
6/5/2017									<0.003
6/6/2017				<0.003	<0.003		<0.003	0.0007 (J)	
6/7/2017		0.0003 (J)				<0.003			
6/8/2017	<0.003 (*)								
7/17/2017	0.005 (D)								
7/27/2017	0.0033								
8/9/2017	0.0012 (J)								
9/22/2017							<0.003	0.0012 (J)	
9/25/2017				<0.003	0.0035				
9/26/2017		<0.003	<0.003			<0.003			<0.003
9/29/2017	0.0013 (JD)								
3/14/2018		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		
3/15/2018								<0.003	<0.003
3/16/2018	0.0078								
9/12/2018		<0.003	<0.003	<0.003	0.003		<0.003	<0.003	<0.003
9/14/2018	0.0056					<0.003			
3/13/2019			<0.003				<0.003	<0.003	
3/14/2019	0.014			<0.003	<0.003	<0.003			<0.003
3/15/2019		<0.003							
9/9/2019		0.00079 (J)	<0.003						
9/10/2019				<0.003 (D)	0.0029 (J)	<0.003			
9/11/2019							<0.003	0.00029 (J)	<0.003
3/6/2020				<0.003		<0.003			
3/9/2020	0.0013 (J)	0.0011 (J)	<0.003		0.0037		0.00062 (J)	0.00037 (J)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.003	<0.003	<0.003	<0.003		
3/16/2016	<0.003	0.00426						
3/17/2016							0.003	<0.003
5/16/2016	0.00109 (J)	0.00267 (J)						
5/17/2016			<0.003			<0.003		
5/18/2016				<0.003	0.000987 (J)		<0.003	<0.003
7/25/2016	<0.003 (*)	0.0017 (J)						
7/26/2016			<0.003					
7/27/2016				0.0006 (J)	0.0008 (J)	0.0006 (J)	0.0023 (J)	
7/28/2016								<0.003
9/19/2016	<0.003	<0.003						
9/20/2016			0.001 (J)	<0.003	0.0012 (J)	0.0018 (J)		
9/21/2016							0.0013 (J)	<0.003
11/3/2016		0.0017 (J)						
11/4/2016	<0.003		<0.003		0.001 (J)	<0.003	<0.003	
11/7/2016				<0.003				<0.003 (*)
1/20/2017		0.001 (J)	<0.003		0.0013 (J)			
1/23/2017	<0.003			<0.003		<0.003		
1/24/2017							<0.003	0.0024 (J)
3/28/2017			<0.003			<0.003		
3/29/2017	0.0018 (J)	0.001 (J)		<0.003	0.0004 (J)		<0.003	
3/30/2017								0.0011 (J)
6/7/2017	0.0009 (J)	0.0009 (J)	<0.003					
6/8/2017				<0.003	<0.003 (*)	<0.003 (*)	<0.003 (*)	
6/9/2017								<0.003 (*)
9/27/2017	0.0111 (o)	0.0012 (J)		<0.003	<0.003			
9/29/2017			<0.003			<0.003	<0.003	0.0009 (J)
12/29/2017	0.0012 (Y)							
3/15/2018	0.00086 (J)	<0.003	<0.003	<0.003		<0.003	<0.003	0.0012 (J)
3/16/2018					<0.003			
9/13/2018	0.0029 (J)	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
9/14/2018								0.00083 (J)
3/14/2019	0.0015 (J)	<0.003						
3/15/2019				<0.003		<0.003		
3/18/2019			<0.003				<0.003	
3/19/2019					<0.003			0.0011 (J)
9/11/2019	0.014	<0.003	<0.003		0.00099 (J)	<0.003 (D)	0.0032	0.00065 (J)
9/12/2019				<0.003				
3/9/2020				0.00032 (J)	0.00056 (J)	<0.003		0.0018 (J)
3/10/2020	0.00087 (J)	<0.003	<0.003					
3/11/2020							0.0012 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.005	<0.005	<0.005	
3/14/2016		<0.005							
3/15/2016			<0.005	<0.005	<0.005				
3/16/2016									0.0657 (o)
5/11/2016		<0.005	<0.005						
5/12/2016				<0.005					
5/13/2016					<0.005		<0.005	<0.005	
5/16/2016	<0.005 (D)					<0.005			<0.005
7/19/2016		<0.005					<0.005	<0.005	
7/20/2016				<0.005					
7/21/2016			<0.005		0.0012 (J)				
7/22/2016						<0.005			
7/25/2016									<0.005
7/27/2016	0.0011 (JD)								
9/15/2016		<0.005	<0.005	<0.005					
9/16/2016							<0.005	<0.005	
9/19/2016						<0.005			<0.005
9/21/2016					<0.005				
11/2/2016		<0.005					<0.005	<0.005	
11/3/2016			<0.005	<0.005	<0.005	<0.005			<0.005
1/17/2017			<0.005		<0.005	<0.005			
1/18/2017		<0.005		<0.005			<0.005	<0.005	
1/19/2017									<0.005
2/21/2017	<0.005								
3/24/2017			<0.005	<0.005					
3/27/2017	0.0007 (JD)				0.0008 (J)	<0.005			
3/28/2017		0.0007 (J)					<0.005	0.0005 (J)	0.0009 (J)
5/24/2017			<0.005						
6/5/2017									0.0033 (J)
6/6/2017				<0.005 (*)	<0.005 (*)		<0.005 (*)	<0.005 (*)	
6/7/2017		<0.005				<0.005 (*)			
6/8/2017	0.0007 (JD)								
7/17/2017	0.0005 (JD)								
7/27/2017	<0.005								
8/9/2017	0.0008 (J)								
9/22/2017							<0.005	<0.005	
9/25/2017				<0.005	0.001 (J)				
9/26/2017		<0.005	0.0005 (J)			<0.005			0.0008 (J)
9/29/2017	<0.005 (D)								
3/14/2018		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
3/15/2018								<0.005	<0.005
3/16/2018	<0.005								
9/12/2018		<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
9/14/2018	<0.005					<0.005			
3/13/2019			<0.005				<0.005	<0.005	
3/14/2019	<0.005			<0.005	<0.005	<0.005			<0.005
3/15/2019		<0.005							
9/9/2019		0.00043 (J)	0.00068 (J)						
9/10/2019				<0.005 (D)	<0.005	<0.005			
9/11/2019							<0.005	<0.005	<0.005
3/6/2020				<0.005		<0.005			
3/9/2020	0.00083 (J)	<0.005	<0.005		<0.005		<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

3/10/2020	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44 0.0013 (J)
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Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.005	<0.005	0.0551 (o)	<0.005		
3/16/2016	<0.005	<0.005						
3/17/2016							<0.005	<0.005
5/16/2016	<0.005	<0.005						
5/17/2016			<0.005			<0.005		
5/18/2016				<0.005	0.00127 (J)		<0.005	<0.005
7/25/2016	<0.005	<0.005						
7/26/2016			<0.005					
7/27/2016				<0.005	0.0012 (J)	<0.005	<0.005	
7/28/2016								<0.005
9/19/2016	<0.005	<0.005						
9/20/2016			<0.005	<0.005	<0.005	<0.005		
9/21/2016							<0.005	<0.005
11/3/2016		<0.005						
11/4/2016	<0.005		<0.005		<0.005	<0.005	<0.005	
11/7/2016				<0.005				<0.005
1/20/2017		<0.005	<0.005		<0.005			
1/23/2017	<0.005			<0.005		<0.005		
1/24/2017							<0.005	<0.005
3/28/2017			0.0004 (J)			<0.005		
3/29/2017	<0.005	<0.005		<0.005	<0.005		<0.005	
3/30/2017								<0.005
6/7/2017	<0.005	<0.005 (*)	<0.005 (*)					
6/8/2017				0.0006 (J)	0.001 (J)	<0.005	<0.005	
6/9/2017								<0.005
9/27/2017	<0.005	0.0006 (J)		<0.005	0.0009 (J)			
9/29/2017			<0.005			<0.005	<0.005	<0.005
3/15/2018	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
3/16/2018					<0.005			
9/13/2018	<0.005	<0.005	<0.005	<0.005	0.00091 (J)	<0.005	<0.005	
9/14/2018								<0.005
3/14/2019	<0.005	<0.005						
3/15/2019				<0.005		<0.005		
3/18/2019			<0.005				<0.005	
3/19/2019					<0.005			<0.005
9/11/2019	<0.005	<0.005	<0.005		0.00067 (J)	<0.005 (D)	<0.005	<0.005
9/12/2019				<0.005				
3/9/2020				<0.005	0.00051 (J)	<0.005		<0.005
3/10/2020	<0.005	<0.005	<0.005					
3/11/2020							0.00041 (J)	

Time Series

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						0.00639 (J)	0.0116	0.00819 (J)	
3/14/2016		<0.01							
3/15/2016			<3 (o)	0.0291	0.0462				
3/16/2016									<3 (o)
5/11/2016		0.00793 (J)	0.00992 (J)						
5/12/2016				0.0322					
5/13/2016					0.0265		0.0361	0.00756 (J)	
5/16/2016	0.0113 (D)					0.00622 (J)			0.0418
7/19/2016		0.0045 (J)					0.036	0.0079 (J)	
7/20/2016				0.0313					
7/21/2016			0.009 (J)		0.0243				
7/22/2016						0.0062 (J)			
7/25/2016									0.0179
7/27/2016	0.0114 (D)								
9/15/2016		0.0057 (J)	0.0109	0.0217					
9/16/2016							0.0259	0.0078 (J)	
9/19/2016						0.0064 (J)			0.0152
9/21/2016					0.0145				
11/2/2016		0.0043 (J)					0.037	0.0082 (J)	
11/3/2016			0.0115	0.0272	0.0082 (J)	0.0058 (J)			0.0127
1/17/2017			0.0101		0.007 (J)	0.0061 (J)			
1/18/2017		<0.01 (*)		0.0286 (J)			0.0248	0.0085 (J)	
1/19/2017									0.0172
2/21/2017	0.0178								
3/24/2017			0.0086 (J)	0.0307					
3/27/2017	0.0162 (D)				0.016	0.0063 (J)			
3/28/2017		0.0188					0.0222	0.0084 (J)	0.0437
5/24/2017			0.0087 (J)						
6/5/2017									0.0747
6/6/2017				0.0242	0.0301		0.02	0.0078 (J)	
6/7/2017		0.0273				0.0064 (J)			
6/8/2017	0.0156 (D)								
7/17/2017	0.016 (D)								
7/27/2017	0.0184								
8/9/2017	0.0162								
9/22/2017							0.0179	0.0076 (J)	
9/25/2017				0.0252	0.0169				
9/26/2017		0.0236	0.0075 (J)			0.006 (J)			0.0338
9/29/2017	0.0159 (D)								
3/14/2018		0.027	0.0064 (J)	0.021	0.036	0.0065 (J)	0.016		
3/15/2018								0.0092 (J)	0.059
3/16/2018	0.016								
9/12/2018		0.022	0.0075 (J)	0.025	0.021		0.017	0.008 (J)	0.032
9/14/2018	0.015					0.0065 (J)			
3/13/2019			0.0076 (J)				0.014	0.0077 (J)	
3/14/2019	0.018			0.028	0.04	0.0066 (J)			0.077
3/15/2019		0.019							
9/9/2019		0.015	0.0078 (J)						
9/10/2019				0.0195 (D)	0.031	0.0068 (J)			
9/11/2019							0.015	0.0079 (J)	0.036
3/6/2020				0.022		0.0066 (J)			
3/9/2020	0.017	0.0072 (J)	0.0088 (J)		0.031		0.012	0.0069 (J)	

Time Series

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			0.0209	0.0144	0.0344 (o)	0.0361		
3/16/2016	0.6294 (o)	0.0244						
3/17/2016							0.0112	0.0121
5/16/2016	0.006 (J)	0.0222						
5/17/2016			0.0202			0.0277		
5/18/2016				0.0136	0.0184		0.0107	0.0117
7/25/2016	0.0056 (J)	0.02						
7/26/2016			0.0165					
7/27/2016				0.013	0.0146	0.0276	0.0104	
7/28/2016								0.0081 (J)
9/19/2016	0.0059 (J)	0.019						
9/20/2016			0.0132	0.0146	0.0122	0.0266		
9/21/2016							0.0106	0.0106
11/3/2016		0.0177						
11/4/2016	0.0054 (J)		0.012		0.0119	0.0239	0.0098 (J)	
11/7/2016				0.0124				0.0047 (J)
1/20/2017		0.0173	0.0133		0.0114			
1/23/2017	0.006 (J)			0.0158		<0.01		
1/24/2017							0.0101	0.0071 (J)
3/28/2017			0.0161			0.024		
3/29/2017	0.0058 (J)	0.0184		0.017	0.0116		0.0103	
3/30/2017								0.0043 (J)
6/7/2017	0.0062 (J)	0.019	0.0141					
6/8/2017				0.0149	<0.01 (*)	0.0317	<0.01 (*)	
6/9/2017								<0.01 (*)
9/27/2017	0.0056 (J)	0.0197		0.012	0.0098 (J)			
9/29/2017			0.0151			0.0265	0.0097 (J)	0.004 (J)
3/15/2018	0.0057 (J)	0.021	0.015	0.011		0.029	0.0093 (J)	0.0032 (J)
3/16/2018					0.01			
9/13/2018	0.0057 (J)	0.022	0.014	0.011	0.0092 (J)	0.026	0.01	
9/14/2018								0.004 (J)
3/14/2019	0.0066 (J)	0.024						
3/15/2019				0.01		0.026		
3/18/2019			0.014				0.015	
3/19/2019					0.0088 (J)			0.0033 (J)
9/11/2019	0.0061 (J)	0.021	0.013		0.0097 (J)	0.0295 (D)	0.017	0.0038 (J)
9/12/2019				0.0085 (J)				
3/9/2020				0.0089 (J)	0.0082 (J)	0.029		0.0045 (J)
3/10/2020	0.0061 (J)	0.024	0.013					
3/11/2020							0.026	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.005 (o)	<0.003	<0.003	
3/14/2016		<0.003							
3/15/2016			<0.003	<0.003	<0.003				
3/16/2016									<0.003
5/11/2016		<0.003	<0.003						
5/12/2016				<0.003					
5/13/2016					<0.003		<0.003	<0.003	
5/16/2016	<0.003 (D)					<0.003 (o)			<0.003
7/19/2016		<0.003					<0.003	<0.003	
7/20/2016				<0.003					
7/21/2016			<0.003		<0.003				
7/22/2016						0.0002 (J)			
7/25/2016									<0.003
7/27/2016	0.0004 (JD)								
9/15/2016		<0.003	<0.003	<0.003					
9/16/2016							<0.003	<0.003	
9/19/2016						0.0001 (J)			<0.003
9/21/2016					<0.003				
11/2/2016		<0.003					<0.003	<0.003	
11/3/2016			<0.003	<0.003	<0.003	0.0002 (J)			<0.003
1/17/2017			<0.003		<0.003	0.0001 (J)			
1/18/2017		<0.003		<0.003			<0.003	<0.003	
1/19/2017									<0.003
2/21/2017	<0.003								
3/24/2017			<0.003	<0.003					
3/27/2017	<0.003 (D)				<0.003	0.0001 (J)			
3/28/2017		<0.003					<0.003	<0.003	8E-05 (J)
5/24/2017			<0.003						9E-05 (J)
6/5/2017									
6/6/2017				<0.003	<0.003		<0.003	<0.003	
6/7/2017		<0.003				0.0001 (J)			
6/8/2017	<0.003 (D)								
7/17/2017	<0.003 (D)								
7/27/2017	<0.003								
8/9/2017	<0.003								
9/22/2017							<0.003	<0.003	
9/25/2017				<0.003	<0.003				
9/26/2017		<0.003	<0.003			0.0001 (J)			<0.003
9/29/2017	<0.003 (D)								
3/14/2018		<0.003	<0.003	<0.003	<0.003	0.00014 (J)	<0.003		
3/15/2018								5.1E-05 (J)	7.7E-05 (J)
3/16/2018	<0.003								
9/12/2018		<0.003	<0.003	<0.003	<0.003		<0.003	<0.003	<0.003
9/14/2018	<0.003					0.00012 (J)			
3/13/2019			<0.003				<0.003	<0.003	
3/14/2019	<0.003			<0.003	5.2E-05 (J)	0.00017 (J)			7.8E-05 (J)
3/15/2019		<0.003							
9/9/2019		<0.003	<0.003						
9/10/2019				<0.003 (D)	<0.003	0.00015 (J)			
9/11/2019							<0.003	<0.003	<0.003
3/6/2020				<0.003		0.00017 (J)			
3/9/2020	<0.003	<0.003	<0.003		<0.003		<0.003	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

3/10/2020	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44 7.4E-05 (J)
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Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.003	<0.003	<0.003	<0.003		
3/16/2016	<0.003	<0.003						
3/17/2016							<0.003	<0.003
5/16/2016	<0.003	<0.003						
5/17/2016			<0.003			<0.003		
5/18/2016				<0.003	<0.003		<0.003	<0.003
7/25/2016	<0.003	<0.003						
7/26/2016			<0.003					
7/27/2016				<0.003	<0.003	0.0002 (J)	<0.003	
7/28/2016								<0.003
9/19/2016	<0.003	<0.003						
9/20/2016			<0.003	<0.003	<0.003	0.0002 (J)		
9/21/2016							<0.003	<0.003
11/3/2016		<0.003						
11/4/2016	<0.003		<0.003		<0.003	0.0002 (J)	<0.003	
11/7/2016				<0.003				<0.003
1/20/2017		<0.003	<0.003		<0.003			
1/23/2017	<0.003			<0.003		<0.003		
1/24/2017							<0.003	<0.003
3/28/2017			<0.003			0.0002 (J)		
3/29/2017	<0.003	<0.003		<0.003	<0.003		<0.003	
3/30/2017								<0.003
6/7/2017	<0.003	<0.003	<0.003					
6/8/2017				<0.003	<0.003	0.0002 (J)	<0.003	
6/9/2017								<0.003
9/27/2017	<0.003	<0.003		<0.003	<0.003			
9/29/2017			<0.003			0.0002 (J)	<0.003	<0.003
3/15/2018	<0.003	<0.003	<0.003	<0.003		0.00025 (J)	<0.003	<0.003
3/16/2018					<0.003			
9/13/2018	<0.003	<0.003	<0.003	<0.003	<0.003	0.00026 (J)	<0.003	
9/14/2018								<0.003
3/14/2019	<0.003	<0.003						
3/15/2019				<0.003		0.00022 (J)		
3/18/2019			<0.003				<0.003	
3/19/2019					<0.003			<0.003
9/11/2019	<0.003	<0.003	<0.003		<0.003	0.0003 (JD)	<0.003	<0.003
9/12/2019				<0.003				
3/9/2020				<0.003	<0.003	0.00028 (J)		<0.003
3/10/2020	<0.003	<0.003	<0.003					
3/11/2020							<0.003	

Time Series

Constituent: Boron (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.04	<0.04	<0.04	
3/14/2016		<0.04							
3/15/2016			<0.04	<0.04	<0.04				
3/16/2016									<0.04
5/11/2016		<0.04	<0.04						
5/12/2016				<0.04					
5/13/2016					<0.04		<0.04	<0.04	
5/16/2016	<0.04 (D)					<0.04			<0.04
7/19/2016		<0.04 (*)					<0.04 (*)	<0.04 (*)	
7/20/2016				<0.04					
7/21/2016			<0.04		<0.04 (*)				
7/22/2016						0.0076 (J)			
7/25/2016									<0.04
7/27/2016	<0.04 (*)								
9/15/2016		0.0067 (J)	<0.04	<0.04					
9/16/2016							<0.04	0.0246 (J)	
9/19/2016						<0.04			<0.04
9/21/2016					<0.04 (*)				
11/2/2016		<0.04					<0.04	0.0279 (J)	
11/3/2016			<0.04 (*)	<0.04	<0.04	<0.04			<0.04
1/17/2017			<0.04		<0.04	<0.04			
1/18/2017		<0.04		<0.04			<0.04	0.0336 (J)	
1/19/2017									<0.04
2/21/2017	0.0218 (JD)								
3/24/2017			<0.04	0.0154 (J)					
3/27/2017	0.0262 (JD)				0.0173 (J)	0.0101 (J)			
3/28/2017		<0.04					<0.04	0.0313 (J)	0.0113 (J)
5/24/2017			<0.04						
6/5/2017									<0.04 (*)
6/6/2017				<0.04	<0.04 (*)		<0.04 (*)	<0.04 (*)	
6/7/2017		<0.04 (*)				<0.04 (*)			
6/8/2017	0.0067 (JD)								
7/17/2017	0.0165 (JD)								
7/27/2017	0.0138 (JD)								
8/9/2017	0.0069 (JD)								
9/22/2017							<0.04	0.0294 (J)	
9/25/2017				<0.04	0.0141 (J)				
9/26/2017		<0.04	0.0075 (J)			<0.04			0.0084 (J)
9/29/2017	0.0066 (JD)								
3/14/2018		<0.04	0.0093 (J)	0.011 (J)	0.014 (J)	<0.04	<0.04		
3/15/2018								0.018 (J)	0.014 (J)
3/16/2018	0.0067 (J)								
9/12/2018		<0.04	<0.04	<0.04	0.013 (J)		<0.04	0.018 (J)	0.0051 (J)
9/14/2018	0.0059 (J)					<0.04			
3/13/2019			<0.04				<0.04	0.012 (X)	
3/14/2019	0.0059 (X)			0.007 (X)	0.015 (X)	<0.04			0.018 (X)
3/15/2019		0.005 (X)							
9/9/2019		<0.04	<0.04						
9/10/2019	0.0081 (X)			<0.04	0.015 (X)	<0.04			
9/11/2019							0.0059 (X)	0.021 (X)	0.0088 (X)
3/6/2020				0.013 (J)		0.0068 (J)			
3/9/2020	0.0065 (J)	<0.04	0.0074 (J)		0.021 (J)		<0.04	0.017 (J)	

Time Series

Constituent: Boron (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

3/10/2020	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44 0.019 (J)
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Time Series

Constituent: Boron (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.04	<0.04	<0.04	<0.04		
3/16/2016	<0.04	<0.04						
3/17/2016							<0.04	<0.04
5/16/2016	<0.04	<0.04						
5/17/2016			<0.04			<0.04		
5/18/2016				<0.04	<0.04		<0.04	<0.04
7/25/2016	<0.04	0.0054 (J)						
7/26/2016			0.0047 (J)					
7/27/2016				<0.04 (*)	<0.04	<0.04 (*)	<0.04 (*)	
7/28/2016								<0.04 (*)
9/19/2016	<0.04	<0.04						
9/20/2016			0.0254 (J)	0.0133 (J)	0.0109 (J)	0.0078 (J)		
9/21/2016							<0.04 (*)	<0.04 (*)
11/3/2016		<0.04						
11/4/2016	<0.04		<0.04		<0.04	<0.04	<0.04	
11/7/2016				0.0079 (J)				0.0138 (J)
1/20/2017		<0.04	<0.04		<0.04			
1/23/2017	0.0086 (J)			<0.04		<0.04		
1/24/2017							<0.04	<0.04
3/28/2017			<0.04			<0.04		
3/29/2017	<0.04	<0.04		<0.04	<0.04		<0.04	
3/30/2017								0.0077 (J)
6/7/2017	<0.04 (*)	<0.04 (*)	<0.04 (*)					
6/8/2017				<0.04	<0.04	<0.04	<0.04	
6/9/2017								<0.04
9/27/2017	<0.04	<0.04		<0.04	<0.04			
9/29/2017			<0.04			<0.04	<0.04	<0.04
3/15/2018	0.0077 (J)	0.0063 (J)	0.0042 (J)	<0.04		<0.04	<0.04	0.0052 (J)
3/16/2018					<0.04			
9/13/2018	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
9/14/2018								<0.04
3/14/2019	<0.04	0.006 (X)						
3/15/2019				<0.04		<0.04		
3/18/2019			0.022 (X)				0.0099 (X)	
3/19/2019					<0.04			0.0043 (X)
9/11/2019	<0.04	<0.04	<0.04		0.0054 (X)	<0.04	<0.04	<0.04
9/12/2019				<0.04				
3/9/2020				<0.04	0.0051 (J)	<0.04		0.0055 (J)
3/10/2020	<0.04	0.009 (J)	<0.04					
3/11/2020							<0.04	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						0.000121 (J)	<0.0025	<0.0025	
3/14/2016		<0.0025							
3/15/2016			<0.0025	<0.0025	<0.0025				
3/16/2016									<0.0025
5/11/2016		0.000177 (J)	<0.0025						
5/12/2016				<0.0025					
5/13/2016					<0.0025		<0.0025	<0.0025	
5/16/2016	<0.0025 (D)					0.000145 (J)			<0.0025
7/19/2016		0.0001 (J)					<0.0025	<0.0025	
7/20/2016				<0.0025					
7/21/2016			<0.0025		<0.0025				
7/22/2016						<0.0025			
7/25/2016									<0.0025
7/27/2016	0.0001 (JD)								
9/15/2016		8E-05 (J)	<0.0025	<0.0025					
9/16/2016							<0.0025	<0.0025	
9/19/2016						0.0001 (J)			<0.0025
9/21/2016					<0.0025				
11/2/2016		<0.0025					<0.0025	<0.0025	
11/3/2016			<0.0025	<0.0025	<0.0025	8E-05 (J)			<0.0025
1/17/2017			<0.0025		<0.0025	0.0001 (J)			
1/18/2017		<0.0025		<0.0025			<0.0025	<0.0025	
1/19/2017									<0.0025
2/21/2017	<0.0025								
3/24/2017			<0.0025	<0.0025					
3/27/2017	<0.0025 (D)				<0.0025	0.0002 (J)			
3/28/2017		<0.0025					<0.0025	<0.0025	<0.0025
5/24/2017			<0.0025						
6/5/2017									8E-05 (J)
6/6/2017				<0.0025	<0.0025		8E-05 (J)	<0.0025	
6/7/2017		<0.0025				0.0001 (J)			
6/8/2017	<0.0025 (D)								
7/17/2017	<0.0025 (D)								
7/27/2017	<0.0025								
8/9/2017	<0.0025								
9/22/2017							<0.0025	<0.0025	
9/25/2017				<0.0025	<0.0025				
9/26/2017		<0.0025	<0.0025			<0.0025			<0.0025
9/29/2017	<0.0025 (D)								
3/14/2018		<0.0025	<0.0025	<0.0025	<0.0025	0.00011 (J)	<0.0025		
3/15/2018								<0.0025	<0.0025
3/16/2018	<0.0025								
9/12/2018		<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
9/14/2018	<0.0025					0.00013 (J)			
3/13/2019			<0.0025				<0.0025	<0.0025	
3/14/2019	<0.0025			<0.0025	<0.0025	0.00013 (J)			<0.0025
3/15/2019		<0.0025							
9/9/2019		<0.0025	<0.0025						
9/10/2019				<0.0025 (D)	<0.0025	0.00014 (J)			
9/11/2019							<0.0025	<0.0025	<0.0025
3/6/2020				<0.0025		0.00014 (J)			
3/9/2020	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025	<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.0025	<0.0025	<0.0025	0.0195 (Jo)		
3/16/2016	<0.0025	0.0167 (o)						
3/17/2016							<0.0025	<0.0025
5/16/2016	<0.0025	<0.0025						
5/17/2016			<0.0025			0.000251 (J)		
5/18/2016				<0.0025	<0.0025		<0.0025	<0.0025
7/25/2016	<0.0025	<0.0025						
7/26/2016			<0.0025					
7/27/2016				<0.0025	<0.0025	0.0002 (J)	<0.0025	
7/28/2016								<0.0025
9/19/2016	<0.0025	<0.0025						
9/20/2016			<0.0025	8E-05 (J)	<0.0025	0.0002 (J)		
9/21/2016							<0.0025	9E-05 (J)
11/3/2016		<0.0025						
11/4/2016	<0.0025		<0.0025		<0.0025	0.0001 (J)	<0.0025	
11/7/2016				<0.0025				0.0001 (J)
1/20/2017		<0.0025	<0.0025		<0.0025			
1/23/2017	<0.0025			<0.0025		<0.0025		
1/24/2017							<0.0025	0.0002 (J)
3/28/2017			<0.0025			0.0001 (J)		
3/29/2017	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025	
3/30/2017								0.0002 (J)
6/7/2017	<0.0025	<0.0025	<0.0025					
6/8/2017				<0.0025	<0.0025	0.0002 (J)	<0.0025	
6/9/2017								0.0002 (J)
9/27/2017	<0.0025	<0.0025		<0.0025	<0.0025			
9/29/2017			<0.0025			0.0002 (J)	<0.0025	0.0002 (J)
3/15/2018	<0.0025	<0.0025	<0.0025	9.3E-05 (J)		0.00018 (J)	<0.0025	0.0001 (J)
3/16/2018					<0.0025			
9/13/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00012 (J)	<0.0025	
9/14/2018								<0.0025
3/14/2019	<0.0025	<0.0025						
3/15/2019				0.00015 (J)		0.00018 (J)		
3/18/2019			<0.0025				<0.0025	
3/19/2019					<0.0025			<0.0025
9/11/2019	<0.0025	<0.0025	<0.0025		<0.0025	0.00021 (JD)	<0.0025	<0.0025
9/12/2019				<0.0025				
3/9/2020				0.00015 (J)	<0.0025	0.00016 (J)		<0.0025
3/10/2020	<0.0025	<0.0025	<0.0025					
3/11/2020							<0.0025	

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						31	13	30	
3/14/2016		20							
3/15/2016			24	24	38				
3/16/2016									5.5
5/11/2016		9.76	22.1						
5/12/2016				15.5					
5/13/2016					36		18.7	27.8	
5/16/2016	27.8 (D)					32			4.3
7/19/2016		3.04					12	25.3	
7/20/2016				16.5					
7/21/2016			19.3		33.5				
7/22/2016						28.5			
7/25/2016									1.41
7/27/2016	21.2 (D)								
9/15/2016		4.78	18.2	6.1					
9/16/2016							8.48	27.5	
9/19/2016						28.6			1.01
9/21/2016					31.9				
11/2/2016		2.46					11.4	26.2	
11/3/2016			18.2	13.7	28.9	26.6			0.884
1/17/2017			22		31.4	28.7			
1/18/2017		5.46		13.1			6.81	26.6	
1/19/2017									1.41
2/21/2017	31.7 (D)								
3/24/2017			21.1	17.3					
3/27/2017	31.9 (D)				31.7	30.4			
3/28/2017		13					5.61	29	4.23
5/24/2017			23.5						
6/5/2017									10.1
6/6/2017				29.1	42.9		4.99	29.3	
6/7/2017		17				31.3			
6/8/2017	35 (D)								
7/17/2017	35.9 (D)								
7/27/2017	34.9 (D)								
8/9/2017	33.7 (D)								
9/22/2017							4.24	32.2	
9/25/2017				17.6	29.3				
9/26/2017		24.9	24.1			29.5			4.14
9/29/2017	33.4 (D)								
12/28/2017		17.9 (Y)						29 (Y)	
3/14/2018		26.4	25.7	39.6	41.4	32.6	3.6		
3/15/2018								28	9
3/16/2018	32.6								
9/12/2018		25.1	18.4 (J)	14.2 (J)	29		3.7	28.7	4.1
9/14/2018	29.2					30.5			
3/13/2019			23.8 (X)				2.9	29.2	
3/14/2019	33			22.7 (X)	31.9	32			17.2 (X)
3/15/2019		20.3 (X)							
9/9/2019		11.3	15.4						
9/10/2019	33.8			6	29.6	34			
9/11/2019							3.2	29.5	7.1
3/6/2020				29.2		38			

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						2.4984	1.2562	1.9467	
3/14/2016		1.795							
3/15/2016			1.1671	4.1666	6.1465				
3/16/2016									6.505
5/11/2016		2.04	0.8763						
5/12/2016				1.78					
5/13/2016					3.08		1.32	2.14	
5/16/2016	1.74 (D)					2.22			5.08
7/19/2016		2.1					1.3	3.1	
7/20/2016				1.8					
7/21/2016			1.4		3.7				
7/22/2016						2.6			
7/25/2016									1.2
7/27/2016	2.1 (D)								
9/15/2016		1.7		1.4					
9/16/2016							1.2	3.5	
9/19/2016			1.1			2.5			1.9
9/21/2016					2.4				
11/2/2016		1.8					1.4	4.7	
11/3/2016			1.2	1.6	3.4	3			2
1/17/2017			1		1.9	2.9			
1/18/2017		1.7		1.5			1.2	4.9	
1/19/2017									2.6
2/21/2017	4 (D)								
3/24/2017			1.2	1.4					
3/27/2017	2.6 (D)				2.4	3			
3/28/2017		1.3					1.4	4.1	5.7
5/24/2017			1.5						
6/5/2017									7.8
6/6/2017				2.8	4.5		1.4	3.6	
6/7/2017		1.2				3			
6/8/2017	2.1 (D)								
7/17/2017	1.9 (D)								
7/20/2017									7.4
7/27/2017	3 (D)								
8/9/2017	2.5 (D)								
9/22/2017							1.3	3.9	
9/25/2017				1.8	2.5				
9/26/2017		1.7	2.4			3.1			3.7
9/29/2017	2.7 (D)								
12/28/2017			3.9 (Y)						
3/14/2018		1.4	2.4	3	4 (J)	3.2	1.3		
3/15/2018								2.8	6.5
3/16/2018	2.6								
9/12/2018		1.6	1	1.4	2.1		1.3	3.1	3.6
9/14/2018	1.9					2.3			
3/13/2019			2.2				1.6	2.9	
3/14/2019	2.8			2.6	2.9	3.6			6.4
3/15/2019		1.7							
9/9/2019		1.2	0.83 (X)						
9/10/2019	2.3			1.1	1.7	2			
9/11/2019							1.3	3.1	3.7

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.01	<0.01	0.00212 (J)	
3/14/2016		<0.01							
3/15/2016			<0.01	<0.01	<0.01				
3/16/2016									<0.01
5/11/2016		<0.01	<0.01						
5/12/2016				<0.01					
5/13/2016					<0.01		<0.01	<0.01	
5/16/2016	<0.01 (D)					<0.01			<0.01
7/19/2016		<0.01					<0.01	0.0006 (J)	
7/20/2016				<0.01					
7/21/2016			<0.01		<0.01				
7/22/2016						<0.01			
7/25/2016									<0.01
7/27/2016	0.0017 (JD)								
9/15/2016		<0.01	<0.01	<0.01					
9/16/2016							<0.01	<0.01	
9/19/2016						<0.01			<0.01
9/21/2016					<0.01				
11/2/2016		<0.01					<0.01	<0.01	
11/3/2016			<0.01	<0.01	<0.01	<0.01			<0.01
1/17/2017			<0.01		<0.01	<0.01			
1/18/2017		<0.01		<0.01			<0.01	0.0014 (J)	
1/19/2017									<0.01
2/21/2017	0.001 (J)								
3/24/2017			<0.01 (*)	<0.01 (*)					
3/27/2017	<0.01 (D)				<0.01	<0.01			
3/28/2017		<0.01 (*)					<0.01 (*)	<0.01 (*)	<0.01
5/24/2017			0.0008 (J)						
6/5/2017									<0.01
6/6/2017				<0.01	0.0004 (J)		0.0004 (J)	0.0009 (J)	
6/7/2017		<0.01				<0.01			
6/8/2017	<0.01 (D)								
7/17/2017	<0.01 (D)								
7/27/2017	0.0005 (J)								
8/9/2017	0.0005 (J)								
9/22/2017							0.0008 (J)	0.0006 (J)	
9/25/2017				<0.01	<0.01				
9/26/2017		<0.01	0.0005 (J)			<0.01			<0.01
9/29/2017	0.0006 (JD)								
3/14/2018		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
3/15/2018								0.0017 (J)	<0.01
3/16/2018	<0.01								
9/12/2018		<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
9/14/2018	<0.01					<0.01			
3/13/2019			<0.01				<0.01	<0.01	
3/14/2019	0.004 (J)			<0.01	<0.01	<0.01			<0.01
3/15/2019		<0.01							
9/9/2019		<0.01	<0.01						
9/10/2019				<0.01 (D)	<0.01	<0.01			
9/11/2019							0.00051 (J)	0.00066 (J)	<0.01
3/6/2020				0.015		0.00045 (J)			
3/9/2020	0.0016 (J)	0.069	0.0009 (J)		0.0004 (J)		0.0033 (J)	0.0014 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

3/10/2020	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44 0.00074 (J)
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Time Series

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.01	0.0439 (o)	0.00136 (J)	0.000148 (J)		
3/16/2016	<0.01	<0.01						
3/17/2016							<0.01	0.017 (J)
5/16/2016	<0.01	<0.01						
5/17/2016			<0.01			<0.01		
5/18/2016				0.00248 (J)	0.00606 (Jo)		<0.01	<0.01
7/25/2016	<0.01	<0.01						
7/26/2016			0.0017 (J)					
7/27/2016				0.0021 (J)	0.0023 (J)	0.0017 (J)	0.0006 (J)	
7/28/2016								0.0014 (J)
9/19/2016	<0.01	<0.01						
9/20/2016			0.0015 (J)	0.002 (J)	0.0021 (J)	0.0024 (J)		
9/21/2016							0.0011 (J)	0.0009 (J)
11/3/2016		<0.01						
11/4/2016	<0.01		0.0016 (J)		0.0016 (J)	0.0013 (J)	<0.01	
11/7/2016				0.0023 (J)				<0.01
1/20/2017		<0.01	0.0018 (J)		0.0016 (J)			
1/23/2017	<0.01			0.0011 (J)		<0.01		
1/24/2017							<0.01	<0.01
3/28/2017			<0.01 (*)			<0.01 (*)		
3/29/2017	<0.01	<0.01		0.0012 (J)	0.001 (J)		0.0004 (J)	
3/30/2017								<0.01
6/7/2017	<0.01	0.0004 (J)	0.0018 (J)					
6/8/2017				0.0015 (J)	0.0024 (J)	0.0016 (J)	0.0005 (J)	
6/9/2017								<0.01
9/27/2017	<0.01	<0.01		0.0021 (J)	0.0021 (J)			
9/29/2017			0.0033 (J)			0.002 (J)	0.0005 (J)	<0.01
3/15/2018	<0.01	<0.01	0.0021 (J)	0.0023 (J)		<0.01	<0.01	<0.01
3/16/2018					0.003 (J)			
9/13/2018	<0.01	<0.01	0.0041 (J)	<0.01	0.0017 (J)	<0.01	<0.01	
9/14/2018								<0.01
3/14/2019	<0.01	<0.01						
3/15/2019				<0.01		0.0023 (J)		
3/18/2019			0.0022 (J)				<0.01	
3/19/2019					0.018			0.0017 (J)
9/11/2019	<0.01	<0.01	0.0038 (J)		0.0015 (J)	0.00165 (JD)	0.00063 (J)	0.002 (J)
9/12/2019				0.0014 (J)				
3/9/2020				0.0012 (J)	0.0023 (J)	0.0023 (J)		0.00096 (J)
3/10/2020	0.0007 (J)	0.00092 (J)	0.0035 (J)					
3/11/2020							0.0012 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.005	<0.005	<0.005	
3/14/2016		0.00503 (J)							
3/15/2016			<0.005	<0.005	<0.005				
3/16/2016									0.00101 (J)
5/11/2016		0.0114	<0.005						
5/12/2016				<0.005					
5/13/2016					<0.005		<0.005	<0.005	
5/16/2016	0.00313 (JD)					<0.005			<0.005
7/19/2016		0.0013 (J)					<0.005	<0.005	
7/20/2016				<0.005					
7/21/2016			<0.005		0.0006 (J)				
7/22/2016						0.0004 (J)			
7/25/2016									0.0015 (J)
7/27/2016	0.0057 (JD)								
9/15/2016		0.002 (J)	<0.005	<0.005					
9/16/2016							<0.005	<0.005	
9/19/2016						<0.005			0.0014 (J)
9/21/2016					<0.005				
11/2/2016		0.0005 (J)					<0.005	<0.005	
11/3/2016			<0.005	<0.005	<0.005	<0.005			0.0013 (J)
1/17/2017			<0.005		<0.005	<0.005			
1/18/2017		0.0015 (J)		<0.005			<0.005	<0.005	
1/19/2017									0.0013 (J)
2/21/2017	<0.005								
3/24/2017			<0.005	<0.005					
3/27/2017	<0.005 (D)				0.0005 (J)	<0.005			
3/28/2017		0.0025 (J)					<0.005	<0.005	0.0019 (J)
5/24/2017			<0.005						
6/5/2017									0.0022 (J)
6/6/2017				<0.005	<0.005		<0.005	<0.005	
6/7/2017		0.0023 (J)				<0.005			
6/8/2017	<0.005 (D)								
7/17/2017	<0.005 (D)								
7/27/2017	<0.005								
8/9/2017	<0.005								
9/22/2017							<0.005	<0.005	
9/25/2017				<0.005	0.0006 (J)				
9/26/2017		0.0011 (J)	<0.005			<0.005			0.0018 (J)
9/29/2017	<0.005 (D)								
3/14/2018		0.00058 (J)	<0.005	<0.005	<0.005	<0.005	<0.005		
3/15/2018								<0.005	0.0018 (J)
3/16/2018	<0.005								
9/12/2018		<0.005	<0.005	<0.005	0.0011 (J)		<0.005	<0.005	0.0016 (J)
9/14/2018	<0.005					<0.005			
3/13/2019			<0.005				<0.005	<0.005	
3/14/2019	<0.005			<0.005	<0.005	<0.005			0.0022 (J)
3/15/2019		<0.005							
9/9/2019		<0.005	<0.005						
9/10/2019				<0.005 (D)	<0.005	<0.005			
9/11/2019							<0.005	<0.005	0.0018 (J)
3/6/2020				<0.005		0.00039 (J)			
3/9/2020	<0.005	0.00075 (J)	<0.005		<0.005		0.00039 (J)	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.005	<0.005	<0.005	0.00207 (J)		
3/16/2016	<0.005	<0.005						
3/17/2016							<0.005	<0.005
5/16/2016	<0.005	<0.005						
5/17/2016			<0.005			0.0025 (J)		
5/18/2016				<0.005	<0.005		<0.005	<0.005
7/25/2016	0.0017 (J)	<0.005						
7/26/2016			0.0006 (J)					
7/27/2016				<0.005	<0.005	0.0014 (J)	<0.005	
7/28/2016								0.0026 (J)
9/19/2016	0.0017 (J)	<0.005						
9/20/2016			<0.005	<0.005	<0.005	0.0015 (J)		
9/21/2016							<0.005	0.0044 (J)
11/3/2016		<0.005						
11/4/2016	0.0013 (J)		<0.005		<0.005	0.0014 (J)	<0.005	
11/7/2016				<0.005				0.0044 (J)
1/20/2017		<0.005	<0.005		<0.005			
1/23/2017	0.0013 (J)			<0.005		<0.005		
1/24/2017							<0.005	0.0049 (J)
3/28/2017			<0.005			0.0015 (J)		
3/29/2017	0.0013 (J)	<0.005		<0.005	<0.005		<0.005	
3/30/2017								0.0041 (J)
6/7/2017	0.0011 (J)	<0.005	<0.005					
6/8/2017				<0.005	<0.005	0.0016 (J)	<0.005	
6/9/2017								0.0054 (J)
9/27/2017	0.0013 (J)	<0.005		<0.005	<0.005			
9/29/2017			<0.005			0.0015 (J)	<0.005	0.0038 (J)
3/15/2018	0.0012 (J)	<0.005	<0.005	<0.005		0.0013 (J)	<0.005	0.0026 (J)
3/16/2018					<0.005			
9/13/2018	0.001 (J)	<0.005	<0.005	<0.005	<0.005	0.0013 (J)	<0.005	
9/14/2018								0.0017 (J)
3/14/2019	0.0015 (J)	<0.005						
3/15/2019				<0.005		0.0012 (J)		
3/18/2019			<0.005				<0.005	
3/19/2019					<0.005			0.00069 (J)
9/11/2019	0.0014 (J)	<0.005	<0.005		<0.005	0.00135 (JD)	<0.005	0.00075 (J)
9/12/2019				<0.005				
3/9/2020				<0.005	<0.005	0.0016 (J)		0.0028 (J)
3/10/2020	0.0012 (J)	<0.005	<0.005					
3/11/2020							<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.025	<0.025	<0.025	<0.025		
3/16/2016	<0.025	<0.025						
3/17/2016							<0.025	<0.025
5/16/2016	<0.025	<0.025						
5/17/2016			<0.025			<0.025		
5/18/2016				<0.025	<0.025		<0.025	<0.025
7/25/2016	<0.025	<0.025						
7/26/2016			<0.025					
7/27/2016				<0.025	<0.025	<0.025	<0.025	
7/28/2016								0.0007 (J)
9/19/2016	0.0032 (J)	<0.025						
9/20/2016			0.0008 (J)	0.0011 (J)	0.001 (J)	0.0018 (J)		
9/21/2016							<0.025	0.0018 (J)
11/3/2016		<0.025						
11/4/2016	0.0006 (J)		<0.025		<0.025	<0.025	<0.025	
11/7/2016				<0.025				<0.025
1/20/2017		<0.025	<0.025		<0.025			
1/23/2017	0.0008 (J)			<0.025		<0.025		
1/24/2017							<0.025	<0.025
3/28/2017			<0.025			<0.025 (*)		
3/29/2017	0.0005 (J)	0.0022 (J)		0.0003 (J)	0.0003 (J)		<0.025	
3/30/2017								0.0003 (J)
9/27/2017	0.0014 (J)	<0.025		<0.025	0.0011 (J)			
9/29/2017			<0.025			0.0003 (J)	<0.025	<0.025
3/15/2018	<0.025	<0.025	<0.025	<0.025		<0.025	<0.025	<0.025
3/16/2018					<0.025			
9/13/2018	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
9/14/2018								<0.025
3/14/2019	<0.025	<0.025						
3/15/2019				<0.025		<0.025		
3/18/2019			<0.025				<0.025	
3/19/2019					<0.025			<0.025
9/11/2019	0.012 (J)	<0.025	<0.025		0.0008 (J)	0.000535 (JD)	<0.025	0.00021 (J)
9/12/2019				<0.025				
3/9/2020				<0.025	0.00032 (J)	0.00035 (J)		0.00035 (J)
3/10/2020	0.00031 (J)	<0.025	<0.025					
3/11/2020							<0.025	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						0.0296 (J)	0.0329 (J)	0.0141 (J)	
3/14/2016		0.0657 (J)							
3/15/2016			<0.3	0.0285 (J)	0.0394 (J)				
3/16/2016									0.00218 (J)
5/11/2016		0.0401 (J)	0.0255 (J)						
5/12/2016				0.022 (J)					
5/13/2016					0.0234 (J)		0.0459 (J)	0.0141 (J)	
5/16/2016	0.0202 (JD)					0.0287 (J)			0.0415 (J)
7/19/2016		<0.3					<0.3	<0.3	
7/20/2016				<0.3					
7/21/2016			<0.3		<0.3				
7/22/2016						0.04 (J)			
7/25/2016									0.14 (J)
7/27/2016	0.08 (JD)								
9/15/2016		<0.3		<0.3					
9/16/2016							<0.3	<0.3	
9/19/2016			<0.3			<0.3			<0.3
9/21/2016					<0.3				
11/2/2016		0.04 (J)					0.04 (J)	0.04 (J)	
11/3/2016			0.11 (J)	0.05 (J)	0.12 (J)	0.04 (J)			0.06 (J)
1/17/2017			0.02 (J)		0.01 (J)	0.02 (J)			
1/18/2017		0.03 (J)		0.02 (J)			<0.3	0.02 (J)	
1/19/2017									0.009 (J)
2/21/2017	0.17 (JD)								
3/24/2017			<0.3	<0.3					
3/27/2017	0.09 (JD)				<0.3	<0.3			
3/28/2017		0.06 (J)					<0.3	<0.3	0.04 (J)
5/24/2017			<0.3						
6/5/2017									0.06 (J)
6/6/2017				<0.3	<0.3		<0.3	<0.3	
6/7/2017		0.06 (J)				<0.3			
6/8/2017	0.05 (JD)								
7/17/2017	0.05 (JD)								
7/20/2017									0.21 (J)
7/27/2017	0.08 (JD)								
8/9/2017	<0.3 (*)								
9/22/2017							<0.3	<0.3	
9/25/2017				<0.3	<0.3				
9/26/2017		0.04 (J)	<0.3			<0.3			0.14 (J)
9/29/2017	0.04 (JD)								
3/14/2018		0.14 (J)	0.055 (J)	<0.3	<0.3	0.06 (J)	<0.3		
3/15/2018								<0.3	0.11 (J)
3/16/2018	0.27 (J)								
9/12/2018		<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	0.062 (J)
9/14/2018	0.1 (J)					<0.3			
3/13/2019			0.045 (X)				<0.3	0.036 (X)	
3/14/2019	0.066 (X)			0.039 (X)	0.04 (X)	0.058 (X)			0.13 (X)
3/15/2019		<0.3							
9/9/2019		0.054 (X)	<0.3						
9/10/2019	0.055 (X)			<0.3	<0.3	<0.3			
9/11/2019							<0.3	<0.3	<0.3
3/6/2020				<0.3		<0.3			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			0.00697 (J)	0.00337 (J)	0.00202 (J)	0.00797 (J)		
3/16/2016	<0.3	0.00244 (J)						
3/17/2016							<0.3	0 (J)
5/16/2016	<0.3	0.0161 (J)						
5/17/2016			0.0281 (J)			0.0156 (J)		
5/18/2016				0.059 (J)	0.065 (J)		0.022 (J)	0.015 (J)
7/25/2016	0.02 (J)	0.14 (J)						
7/26/2016			<0.3					
7/27/2016				0.1 (J)	0.09 (J)	<0.3	0.07 (J)	
7/28/2016								0.08 (J)
9/19/2016	<0.3	<0.3						
9/20/2016			<0.3	0.04 (J)	<0.3	0.03 (J)		
9/21/2016							<0.3	<0.3
11/3/2016		0.08 (J)						
11/4/2016	0.04 (J)		0.05 (J)		0.04 (J)	0.06 (J)	0.03 (J)	
11/7/2016				0.1 (J)				<0.3
1/20/2017		0.01 (J)	0.01 (J)		0.009 (J)			
1/23/2017	0.006 (J)			0.13 (J)		0.02 (J)		
1/24/2017							<0.3	<0.3
3/28/2017			<0.3			<0.3		
3/29/2017	<0.3	<0.3		0.04 (J)	<0.3		<0.3	
3/30/2017								<0.3
6/7/2017	<0.3	<0.3	<0.3					
6/8/2017				0.05 (J)	<0.3 (*)	0.06 (J)	<0.3 (*)	
6/9/2017								<0.3
9/27/2017	<0.3	<0.3		0.04 (J)	<0.3			
9/29/2017			<0.3			<0.3	<0.3	<0.3
3/15/2018	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3
3/16/2018					0.13 (J)			
9/13/2018	<0.3	<0.3	<0.3	0.047 (J)	<0.3	<0.3	<0.3	
9/14/2018								<0.3
3/14/2019	<0.3	0.039 (X)						
3/15/2019				<0.3		<0.3		
3/18/2019			<0.3				<0.3	
3/19/2019					<0.3			<0.3
9/11/2019	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3
9/12/2019				<0.3				
3/9/2020				<0.3	<0.3	<0.3		<0.3
3/10/2020	<0.3	<0.3	<0.3					
3/11/2020							<0.3	

Time Series

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.005	<0.005	<0.005	
3/14/2016		<0.005							
3/15/2016			<0.005	<0.005	<0.005				
3/16/2016									<0.005
5/11/2016		<0.005	<0.005						
5/12/2016				<0.005					
5/13/2016					<0.005		<0.005	<0.005	
5/16/2016	<0.005 (D)					<0.005			<0.005
7/19/2016		<0.005					<0.005	<0.005	
7/20/2016				<0.005					
7/21/2016			<0.005		0.0001 (J)				
7/22/2016						0.0001 (J)			
7/25/2016									0.0003 (J)
7/27/2016	0.0011 (JD)								
9/15/2016		<0.005	<0.005	<0.005					
9/16/2016							<0.005	<0.005	
9/19/2016						0.0002 (J)			0.0002 (J)
9/21/2016					<0.005				
11/2/2016		<0.005					<0.005	<0.005	
11/3/2016			<0.005	<0.005	<0.005	<0.005			0.0002 (J)
1/17/2017			<0.005		<0.005	<0.005			
1/18/2017		<0.005		<0.005			<0.005	<0.005	
1/19/2017									0.0003 (J)
2/21/2017	<0.005								
3/24/2017			<0.005 (*)	<0.005					
3/27/2017	<0.005 (D)				<0.005	<0.005			
3/28/2017		<0.005 (*)					<0.005	<0.005	<0.005 (*)
5/24/2017			0.0001 (J)						
6/5/2017									0.0007 (J)
6/6/2017				<0.005	<0.005		7E-05 (J)	0.0001 (J)	
6/7/2017		8E-05 (J)				<0.005			
6/8/2017	<0.005 (D)								
7/17/2017	<0.005 (D)								
7/27/2017	0.0001 (J)								
8/9/2017	<0.005								
9/22/2017							8E-05 (J)	7E-05 (J)	
9/25/2017				<0.005	0.0001 (J)				
9/26/2017		0.0002 (J)	0.0001 (J)			<0.005			0.0004 (J)
9/29/2017	<0.005 (D)								
3/14/2018		<0.005	0.00046 (J)	<0.005	0.00031 (J)	<0.005	<0.005		
3/15/2018								0.0038 (J)	0.00064 (J)
3/16/2018	<0.005								
9/12/2018		<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	0.00037 (J)
9/14/2018	<0.005					<0.005			
3/13/2019			<0.005				<0.005	<0.005	
3/14/2019	<0.005			<0.005	0.00031 (J)	<0.005			0.00077 (J)
3/15/2019		<0.005							
9/9/2019		<0.005	<0.005						
9/10/2019				<0.005 (D)	<0.005	<0.005			
9/11/2019							0.0001 (J)	9.2E-05 (J)	0.00047 (J)
3/6/2020				9.1E-05 (J)		0.00011 (J)			
3/9/2020	0.00027 (J)	5.5E-05 (J)	9.5E-05 (J)		4.9E-05 (J)		9.1E-05 (J)	9.6E-05 (J)	

Time Series

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

3/10/2020	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44 0.00066 (J)
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Time Series

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.005	<0.005	<0.005	<0.005		
3/16/2016	<0.005	<0.005						
3/17/2016							<0.005	<0.005
5/16/2016	<0.005	<0.005						
5/17/2016			<0.005			<0.005		
5/18/2016				<0.005	<0.005		<0.005	<0.005
7/25/2016	0.0002 (J)	0.0001 (J)						
7/26/2016			<0.005					
7/27/2016				9E-05 (J)	9E-05 (J)	<0.005	<0.005	
7/28/2016								0.0002 (J)
9/19/2016	0.0004 (J)	<0.005						
9/20/2016			<0.005	0.0003 (J)	0.0001 (J)	0.0002 (J)		
9/21/2016							<0.005	<0.005 (*)
11/3/2016		<0.005						
11/4/2016	0.0002 (J)		<0.005		<0.005	<0.005	<0.005	
11/7/2016				<0.005				<0.005
1/20/2017		<0.005	<0.005		<0.005			
1/23/2017	0.0001 (J)			<0.005		<0.005		
1/24/2017							<0.005	0.0002 (J)
3/28/2017			<0.005			<0.005 (*)		
3/29/2017	0.0001 (J)	0.0001 (J)		<0.005	<0.005		<0.005	
3/30/2017								<0.005
6/7/2017	0.0001 (J)	8E-05 (J)	<0.005					
6/8/2017				0.0001 (J)	<0.005	<0.005	<0.005	
6/9/2017								<0.005
9/27/2017	0.0003 (J)	9E-05 (J)		<0.005	<0.005			
9/29/2017			<0.005			<0.005	<0.005	<0.005
3/15/2018	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
3/16/2018					<0.005			
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
9/14/2018								<0.005
3/14/2019	<0.005	<0.005						
3/15/2019				<0.005		<0.005		
3/18/2019			<0.005				<0.005	
3/19/2019					<0.005			<0.005
9/11/2019	0.00016 (J)	<0.005	<0.005		8.5E-05 (J)	0.002529 (D)	<0.005	8.2E-05 (J)
9/12/2019				<0.005				
3/9/2020				5.8E-05 (J)	8E-05 (J)	<0.005		0.00017 (J)
3/10/2020	0.00014 (J)	<0.005	<0.005					
3/11/2020							<0.005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.0005	<0.0005	<0.0005	
3/14/2016		<0.0005							
3/15/2016			<0.0005	<0.0005	<0.0005				
3/16/2016									<0.0005
5/11/2016		<0.0005	<0.0005						
5/12/2016				<0.0005					
5/13/2016					<0.0005		<0.0005	<0.0005	
5/16/2016	<0.0005 (D)					<0.0005			<0.0005
7/19/2016		<0.0005					<0.0005	<0.0005	
7/20/2016				<0.0005					
7/21/2016			<0.0005		<0.0005				
7/22/2016						<0.0005			
7/25/2016									<0.0005
7/27/2016	<0.0005 (D)								
9/15/2016		<0.0005	<0.0005	<0.0005					
9/16/2016							<0.0005	<0.0005	
9/19/2016						<0.0005			<0.0005
9/21/2016					<0.0005				
11/2/2016		<0.0005					<0.0005	<0.0005	
11/3/2016			<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
1/17/2017			<0.0005		<0.0005	<0.0005			
1/18/2017		<0.0005		<0.0005			<0.0005	<0.0005	
1/19/2017									<0.0005
2/21/2017	<0.0005								
3/24/2017			<0.0005	<0.0005					
3/27/2017	<0.0005 (D)				<0.0005	<0.0005			
3/28/2017		<0.0005					<0.0005	<0.0005	<0.0005
5/24/2017			<0.0005						
6/5/2017									<0.0005
6/6/2017				<0.0005	<0.0005		<0.0005	<0.0005	
6/7/2017		<0.0005				<0.0005			
6/8/2017	<0.0005 (D)								
7/17/2017	<0.0005 (D)								
7/27/2017	<0.0005								
8/9/2017	<0.0005								
9/22/2017							<0.0005	<0.0005	
9/25/2017				<0.0005	<0.0005				
9/26/2017		<0.0005	<0.0005			<0.0005			<0.0005
9/29/2017	<0.0005 (D)								
3/14/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
3/15/2018								<0.0005	<0.0005
3/16/2018	<0.0005								
9/12/2018		<0.0005	3.8E-05 (J)	<0.0005	<0.0005		<0.0005	3.9E-05 (J)	<0.0005
9/14/2018	4.1E-05 (J)					3.8E-05 (J)			
3/13/2019			<0.0005				<0.0005	<0.0005	
3/14/2019	<0.0005			<0.0005	<0.0005	<0.0005			<0.0005
3/15/2019		<0.0005							
9/9/2019		<0.0005	<0.0005						
9/10/2019				<0.0005 (D)	<0.0005	<0.0005			
9/11/2019							<0.0005	<0.0005	<0.0005
3/6/2020				<0.0005		<0.0005			
3/9/2020	<0.0005	<0.0005	<0.0005		<0.0005		<0.0005	<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.0005	<0.0005	<0.0005	<0.0005		
3/16/2016	<0.0005	<0.0005						
3/17/2016							<0.0005	<0.0005
5/16/2016	<0.0005	<0.0005						
5/17/2016			<0.0005			<0.0005		
5/18/2016				<0.0005	<0.0005		<0.0005	<0.0005
7/25/2016	<0.0005	<0.0005						
7/26/2016			<0.0005					
7/27/2016				<0.0005	<0.0005	<0.0005	<0.0005	
7/28/2016								<0.0005
9/19/2016	<0.0005	<0.0005						
9/20/2016			<0.0005	<0.0005	<0.0005	<0.0005		
9/21/2016							<0.0005	<0.0005
11/3/2016		<0.0005						
11/4/2016	<0.0005		<0.0005		<0.0005	<0.0005	<0.0005	
11/7/2016				<0.0005				<0.0005
1/20/2017		<0.0005	<0.0005		<0.0005			
1/23/2017	<0.0005			<0.0005		<0.0005		
1/24/2017							5E-05 (J)	5E-05 (J)
3/28/2017			<0.0005			<0.0005		
3/29/2017	<0.0005 (*)	<0.0005 (*)		<0.0005 (*)	<0.0005 (*)		<0.0005 (*)	
3/30/2017								<0.0005 (*)
6/7/2017	<0.0005	<0.0005	<0.0005					
6/8/2017				<0.0005	<0.0005	<0.0005	<0.0005	
6/9/2017								<0.0005
9/27/2017	<0.0005	<0.0005		<0.0005	<0.0005			
9/29/2017			<0.0005			<0.0005	4E-05 (J)	<0.0005
3/15/2018	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
3/16/2018					<0.0005			
9/13/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	6.2E-05 (J)	<0.0005	
9/14/2018								<0.0005
3/14/2019	<0.0005	<0.0005						
3/15/2019				<0.0005		<0.0005		
3/18/2019			<0.0005				<0.0005	
3/19/2019					5E-05 (J)			4.5E-05 (J)
9/11/2019	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005 (D)	<0.0005	<0.0005
9/12/2019				<0.0005				
3/9/2020				<0.0005	<0.0005	<0.0005		<0.0005
3/10/2020	<0.0005	<0.0005	<0.0005					
3/11/2020							<0.0005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.01	<0.01	<0.01	0.00235 (J)		
3/16/2016	<0.01	<0.01						
3/17/2016							<0.01	0.00778 (J)
5/16/2016	0.00316 (J)	<0.01						
5/17/2016			<0.01			0.00489 (J)		
5/18/2016				<0.01	<0.01		<0.01	<0.01
7/25/2016	0.0013 (J)	<0.01						
7/26/2016			<0.01					
7/27/2016				<0.01	0.0007 (J)	0.0036 (J)	<0.01	
7/28/2016								0.0024 (J)
9/19/2016	0.0013 (J)	<0.01						
9/20/2016			0.0013 (J)	<0.01	0.0007 (J)	0.0035 (J)		
9/21/2016							<0.01	0.0044 (J)
11/3/2016		<0.01						
11/4/2016	0.0015 (J)		<0.01		0.0006 (J)	0.0035 (J)	<0.01	
11/7/2016				<0.01				0.0035 (J)
1/20/2017		<0.01	<0.01		<0.01			
1/23/2017	0.0015 (J)			<0.01		<0.01		
1/24/2017							<0.01	0.005 (J)
3/28/2017			<0.01			0.0033 (J)		
3/29/2017	0.0012 (J)	<0.01		0.0004 (J)	0.0003 (J)		<0.01	
3/30/2017								0.0046 (J)
9/27/2017	0.0014 (J)	<0.01		<0.01	<0.01			
9/29/2017			<0.01			0.0036 (J)	<0.01	0.004 (J)
3/15/2018	0.0011 (J)	<0.01	<0.01	<0.01		0.0033 (J)	<0.01	0.0028 (J)
3/16/2018					<0.01			
9/13/2018	0.001 (J)	<0.01	<0.01	<0.01	<0.01	0.0038 (J)	<0.01	
9/14/2018								0.0024 (J)
3/14/2019	0.001 (J)	<0.01						
3/15/2019				<0.01		0.0033 (J)		
3/18/2019			<0.01				<0.01	
3/19/2019					0.0042 (J)			0.0047 (J)
9/11/2019	0.0012 (J)	<0.01	<0.01		0.0014 (J)	0.00405 (JD)	<0.01	0.0012 (J)
9/12/2019				<0.01				
3/9/2020				<0.01	<0.01	0.0039 (J)		0.003 (J)
3/10/2020	0.0012 (J)	<0.01	<0.01					
3/11/2020							0.0004 (J)	

Time Series

Constituent: pH (pH units) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						7.37	6.43	7.89	
3/14/2016		6.91							
3/15/2016			7.58	6.74	7.15				
3/16/2016									4.49
5/11/2016		6.51	7.24						
5/12/2016				6.41					
5/13/2016					7.29		6.8	7.86	
5/16/2016	7.61 (D)					7.55			4.55
7/19/2016		6.12					6.42	7.83	
7/20/2016				6.59					
7/21/2016			7.53		7.43				
7/22/2016						7.51			
7/25/2016									4.63
7/27/2016	7.51 (D)								
9/15/2016		5.96	7						
9/16/2016							6.19	7.75	
9/19/2016			7.19			7.52			4.65
9/21/2016					7.05				
11/2/2016		5.78					6.36	7.77	
11/3/2016			7.13	6.45	7.4	7.56			4.69
1/17/2017			7.51		7.06	7.59			
1/18/2017		6.13		6.34			6.16	7.65	
1/19/2017									4.58
2/21/2017	7.76 (D)								
3/24/2017			7.55	6.42					
3/27/2017	7.7 (D)				7.13	7.63			
3/28/2017		6.59					5.8	7.79	4.45
5/24/2017			7.6						
6/5/2017									4.33
6/6/2017				6.82	7.18		5.97	7.89	
6/7/2017		6.72				7.55			
6/8/2017	7.69 (D)								
7/17/2017	7.57 (D)								
7/20/2017									4.38
7/26/2017	7.63								
7/27/2017	7.63								
8/8/2017	7.73								
8/9/2017	7.73								
9/22/2017							5.77	7.8	
9/25/2017				6.63	6.88				
9/26/2017		7.05	7.66			7.59			4.51
9/29/2017	7.7 (D)								
12/28/2017		6.79 (Y)	7.34 (Y)					7.78 (Y)	
3/14/2018		7.42	7.56	7.08	7.04	7.6	5.85		
3/15/2018								7.66	4.34
3/16/2018	7.49								
9/12/2018		6.86	7.12	6.54	7.02		5.65	7.75	4.49
9/14/2018	7.32					7.37			
3/13/2019			7.12				5.63	7.84	
3/14/2019	7.46			6.58	6.93	7.57			4.41
3/15/2019		6.78							
9/9/2019		6.49	7.07						

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.01	0.00236 (J)	<0.01	
3/14/2016		<0.01							
3/15/2016			<0.01	<0.01	<0.01				
3/16/2016									0.002 (J)
5/11/2016		<0.01	<0.01						
5/12/2016				<0.01					
5/13/2016					<0.01		<0.01	<0.01	
5/16/2016	<0.01 (D)					<0.01			0.0021 (J)
7/19/2016		<0.01					<0.01	<0.01	
7/20/2016				<0.01					
7/21/2016			<0.01		<0.01				
7/22/2016						<0.01			
7/25/2016									<0.01
7/27/2016	<0.01 (D)								
9/15/2016		<0.01	<0.01	<0.01					
9/16/2016							<0.01	<0.01	
9/19/2016						<0.01			<0.01
9/21/2016					<0.01				
11/2/2016		<0.01					<0.01	<0.01	
11/3/2016			<0.01	<0.01	<0.01	<0.01			<0.01
1/17/2017			<0.01		<0.01	<0.01			
1/18/2017		<0.01		<0.01			<0.01	<0.01	
1/19/2017									<0.01
2/21/2017	<0.01								
3/24/2017			<0.01	<0.01					
3/27/2017	<0.01 (D)				<0.01	<0.01			
3/28/2017		<0.01					<0.01	<0.01	0.0033 (J)
5/24/2017			<0.01						
6/5/2017									0.0068 (J)
6/6/2017				<0.01	<0.01		<0.01	<0.01	
6/7/2017		<0.01				<0.01			
6/8/2017	<0.01 (D)								
7/17/2017	<0.01 (D)								
7/27/2017	<0.01								
8/9/2017	<0.01								
9/22/2017							<0.01	<0.01	
9/25/2017				<0.01	<0.01				
9/26/2017		<0.01	<0.01			<0.01			0.0037 (J)
9/29/2017	<0.01 (D)								
3/14/2018		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
3/15/2018								<0.01	0.0031 (J)
3/16/2018	<0.01								
9/12/2018		<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
9/14/2018	<0.01					<0.01			
3/13/2019			<0.01				<0.01	<0.01	
3/14/2019	<0.01			<0.01	<0.01	<0.01			0.0042 (J)
3/15/2019		<0.01							
9/9/2019		<0.01	<0.01						
9/10/2019				<0.01 (D)	<0.01	<0.01			
9/11/2019							<0.01	<0.01	0.0021 (J)
3/6/2020				<0.01		<0.01			
3/9/2020	<0.01	<0.01	<0.01		<0.01		<0.01	<0.01	

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.01	<0.01	<0.01	<0.01		
3/16/2016	<0.01	<0.01						
3/17/2016							<0.01	<0.01
5/16/2016	<0.01	<0.01						
5/17/2016			<0.01			<0.01		
5/18/2016				<0.01	<0.01		<0.01	<0.01
7/25/2016	<0.01	<0.01						
7/26/2016			0.0009 (J)					
7/27/2016				<0.01	<0.01	0.0009 (J)	<0.01	
7/28/2016								<0.01
9/19/2016	<0.01	<0.01						
9/20/2016			<0.01	<0.01	<0.01	<0.01		
9/21/2016							<0.01	<0.01
11/3/2016		<0.01						
11/4/2016	<0.01		<0.01		<0.01	<0.01	<0.01	
11/7/2016				<0.01				<0.01
1/20/2017		<0.01	<0.01		<0.01			
1/23/2017	<0.01			<0.01		<0.01		
1/24/2017							<0.01	<0.01
3/28/2017			<0.01			<0.01		
3/29/2017	<0.01	<0.01		<0.01	<0.01		<0.01	
3/30/2017								<0.01
6/7/2017	<0.01	<0.01	<0.01					
6/8/2017				<0.01	<0.01	<0.01	<0.01	
6/9/2017								<0.01
9/29/2017			<0.01			<0.01	<0.01	<0.01
3/15/2018	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
3/16/2018					<0.01			
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
9/14/2018								<0.01
3/14/2019	<0.01	<0.01						
3/15/2019				<0.01		<0.01		
3/18/2019			<0.01				<0.01	
3/19/2019					<0.01			<0.01
9/11/2019	<0.01	<0.01	<0.01		<0.01	<0.01 (D)	<0.01	<0.01
9/12/2019				<0.01				
3/9/2020				<0.01	<0.01	<0.01		<0.01
3/10/2020	<0.01	<0.01	<0.01					
3/11/2020							<0.01	

Time Series

Constituent: Silver (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.01	<0.01	<0.01	<0.01		
3/16/2016	<0.01	<0.01						
3/17/2016							<0.01	<0.01
5/16/2016	<0.01	<0.01						
5/17/2016			<0.01			<0.01		
5/18/2016				<0.01	<0.01		<0.01	<0.01
7/25/2016	<0.01	<0.01						
7/26/2016			<0.01					
7/27/2016				<0.01	<0.01	<0.01	<0.01	
7/28/2016								<0.01
9/19/2016	<0.01	<0.01						
9/20/2016			<0.01	<0.01	<0.01	<0.01		
9/21/2016							<0.01	<0.01
11/3/2016		<0.01						
11/4/2016	<0.01		<0.01		<0.01	<0.01	<0.01	
11/7/2016				<0.01				<0.01
1/20/2017		<0.01	<0.01		<0.01			
1/23/2017	<0.01			<0.01		<0.01		
1/24/2017							<0.01	<0.01
3/28/2017			<0.01			<0.01		
3/29/2017	<0.01	<0.01		<0.01	<0.01		<0.01	
3/30/2017								<0.01
9/27/2017	<0.01	<0.01		<0.01	<0.01			
9/29/2017			<0.01			<0.01	<0.01	<0.01
3/15/2018	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
3/16/2018					<0.01			
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
9/14/2018								<0.01
3/14/2019	<0.01	<0.01						
3/15/2019				<0.01		<0.01		
3/18/2019			<0.01				<0.01	
3/19/2019					<0.01			<0.01
9/11/2019	<0.01	<0.01	<0.01		<0.01	<0.01 (D)	<0.01	<0.01
9/12/2019				<0.01				
3/9/2020				<0.01	<0.01	<0.01		<0.01
3/10/2020	<0.01	<0.01	<0.01					
3/11/2020							<0.01	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						1.4538	1.1313	3.8282	
3/14/2016		4.2598							
3/15/2016			1.2104	4.9347	6.4987				
3/16/2016									14.7828
5/11/2016		6.05	1.28						
5/12/2016				2.3					
5/13/2016					3.68		1.96	3.56	
5/16/2016	2.4 (D)					1.18			10.2
7/19/2016		9.5					1.3	5.6	
7/20/2016				2					
7/21/2016			0.91 (J)		4.5				
7/22/2016						1.8			
7/25/2016									8.4
7/27/2016	3.6 (D)								
9/15/2016		6.7		1.1					
9/16/2016							1.1	6.7	
9/19/2016			1.3			1.4			2.5
9/21/2016					2.8				
11/2/2016		5.4					1.2	8.1	
11/3/2016			1.5	1.6	6.7	1.6			3.3
1/17/2017			<1 (*)		<1 (*)	<1 (*)			
1/18/2017		5.5		1.5			0.84 (J)	8.9	
1/19/2017									3.2
2/21/2017	26 (D)								
3/24/2017			0.86 (J)	1.6					
3/27/2017	10 (D)				0.85 (J)	2			
3/28/2017		2.9					0.7 (J)	8.2	16 (J)
5/24/2017			1.2						
6/5/2017									38
6/6/2017				4.1	6.1		0.47 (J)	7	
6/7/2017		2.3				1.9			
6/8/2017	6.7 (D)								
7/17/2017	6.4 (D)								
7/20/2017									48
7/27/2017	18 (D)								
8/9/2017	18 (D)								
9/22/2017							0.59 (J)	8.3	
9/25/2017				1.9	3.5				
9/26/2017		3.2	4.2			2			18
9/29/2017	21 (D)								
12/28/2017			7.4 (Y)						
3/14/2018		3.8	3.8	11.5	10.9 (J)	2.1	0.39 (J)		
3/15/2018								5.1	32.4
3/16/2018	15.5								
9/12/2018		3.7	1.7	1.8	3.7		0.3 (J)	5.6	16
9/14/2018	11.6					1.6			
3/13/2019			2.1				0.43 (X)	4.4	
3/14/2019	9.3			6.2	8.9	2.2			79.7 (O)
3/15/2019		3							
9/9/2019		2.4	1.6						
9/10/2019	14			1.2	8.4	1.2			
9/11/2019							<1	5	19.8

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						<0.001	<0.001	<0.001	
3/14/2016		<0.001							
3/15/2016			<0.001	<0.001	<0.001				
3/16/2016									<0.001
5/11/2016		<0.001	<0.001						
5/12/2016				<0.001					
5/13/2016					<0.001		<0.001	<0.001	
5/16/2016	<0.001 (D)					<0.001			<0.001
7/19/2016		<0.001 (*)					<0.001 (*)	<0.001	
7/20/2016				<0.001					
7/21/2016			<0.001		<0.001				
7/22/2016						0.0002 (J)			
7/25/2016									<0.001
7/27/2016	0.0002 (JD)								
9/15/2016		<0.001	<0.001	<0.001					
9/16/2016							<0.001	<0.001	
9/19/2016						<0.001			<0.001
9/21/2016					<0.001				
11/2/2016		<0.001					<0.001	<0.001	
11/3/2016			<0.001	<0.001	<0.001	<0.001			<0.001
1/17/2017			<0.001		<0.001	<0.001			
1/18/2017		<0.001		<0.001			<0.001	<0.001	
1/19/2017									<0.001
2/21/2017	<0.001								
3/24/2017			<0.001	<0.001					
3/27/2017	<0.001 (D)				<0.001	<0.001			
3/28/2017		5E-05 (J)					5E-05 (J)	<0.001	5E-05 (J)
5/24/2017			<0.001						
6/5/2017									5E-05 (J)
6/6/2017				<0.001	0.0002 (J)		<0.001	<0.001	
6/7/2017		<0.001				<0.001			
6/8/2017	<0.001 (D)								
7/17/2017	<0.001 (D)								
7/27/2017	<0.001								
8/9/2017	<0.001								
9/22/2017							<0.001	<0.001	
9/25/2017				<0.001	<0.001				
9/26/2017		7E-05 (J)	<0.001			<0.001			<0.001
9/29/2017	<0.001 (D)								
3/14/2018		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/15/2018								<0.001	<0.001
3/16/2018	<0.001								
9/12/2018		<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
9/14/2018	<0.001					<0.001			
3/13/2019			<0.001				<0.001	<0.001	
3/14/2019	<0.001			<0.001	<0.001	<0.001			<0.001
3/15/2019		<0.001							
9/9/2019		<0.001	<0.001						
9/10/2019				<0.001 (D)	<0.001	<0.001			
9/11/2019							6.2E-05 (J)	<0.001	<0.001
3/6/2020				<0.001		8.6E-05 (J)			
3/9/2020	<0.001	<0.001	7.8E-05 (J)		6.1E-05 (J)		<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.001	<0.001	0.00116	<0.001		
3/16/2016	<0.001	<0.001						
3/17/2016							<0.001	<0.001
5/16/2016	<0.001	<0.001						
5/17/2016			<0.001			<0.001		
5/18/2016				<0.001	0.000768 (J)		<0.001	<0.001
7/25/2016	<0.001	<0.001						
7/26/2016			7E-05 (J)					
7/27/2016				9E-05 (J)	0.0004 (J)	9E-05 (J)	0.0001 (J)	
7/28/2016								<0.001
9/19/2016	<0.001	<0.001						
9/20/2016			<0.001	<0.001	0.0004 (J)	<0.001		
9/21/2016							<0.001	<0.001
11/3/2016		<0.001						
11/4/2016	<0.001		<0.001		0.0003 (J)	<0.001	<0.001	
11/7/2016				<0.001				<0.001
1/20/2017		<0.001	<0.001		0.0003 (J)			
1/23/2017	<0.001			<0.001		<0.001		
1/24/2017							<0.001	<0.001
3/28/2017			7E-05 (J)			6E-05 (J)		
3/29/2017	<0.001	<0.001		7E-05 (J)	0.0003 (J)		<0.001	
3/30/2017								5E-05 (J)
6/7/2017	<0.001	<0.001	6E-05 (J)					
6/8/2017				<0.001	0.0003 (J)	8E-05 (J)	<0.001	
6/9/2017								<0.001
9/27/2017	<0.001	<0.001		6E-05 (J)	0.0003 (J)			
9/29/2017			6E-05 (J)			9E-05 (J)	<0.001	<0.001
3/15/2018	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
3/16/2018					0.00036 (J)			
9/13/2018	<0.001	<0.001	<0.001	<0.001	0.00021 (J)	<0.001	<0.001	
9/14/2018								<0.001
3/14/2019	<0.001	<0.001						
3/15/2019				<0.001		<0.001		
3/18/2019			<0.001				<0.001	
3/19/2019					0.00027 (J)			<0.001
9/11/2019	<0.001	<0.001	<0.001		0.00023 (J)	0.000115 (JD)	<0.001	<0.001
9/12/2019				<0.001				
3/9/2020				<0.001	0.00021 (J)	9E-05 (J)		<0.001
3/10/2020	<0.001	<0.001	<0.001					
3/11/2020							<0.001	

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44
3/11/2016						139	69	144	
3/14/2016		106							
3/15/2016			107	110	78				
3/16/2016									<10
5/11/2016		58	80						
5/12/2016				49					
5/13/2016					178		88	142	
5/16/2016	114 (D)					112			35
7/19/2016		46					56	135	
7/20/2016				72					
7/21/2016			76		168				
7/22/2016						136			
7/25/2016									24 (J)
7/27/2016	107 (D)								
9/15/2016		41		18 (J)					
9/16/2016							31	144	
9/19/2016			108			121			19 (J)
9/21/2016					123				
11/2/2016		37					48	152	
11/3/2016			90	70	157	132			34
1/17/2017			128		170	150			
1/18/2017		29		63			44	125	
1/19/2017									13 (J)
2/21/2017	229 (D)								
3/24/2017			91	63					
3/27/2017	239 (D)				158	148			
3/28/2017		40					<10	109	<10
5/24/2017			152						
6/5/2017									206
6/6/2017				128	212		36	154	
6/7/2017						181			
6/8/2017	179 (D)								
7/17/2017	180 (D)								
7/20/2017									72
7/27/2017	190 (D)								
8/9/2017	153 (D)								
9/22/2017							41	157	
9/25/2017				109	145				
9/26/2017		107	103			113			35
9/29/2017	173 (D)								
3/14/2018		126	123	192	210	134	<10		
3/15/2018								117	41
3/16/2018	150								
9/12/2018		134	105	82	159		<10	151	<10
9/14/2018	165					139			
3/13/2019			130				31	152	
3/14/2019	154			119	157	157			110
3/15/2019		107							
9/9/2019		93	108						
9/10/2019	181			36	113	105			
9/11/2019							21	151	58
3/6/2020				137		143			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			<0.01	<0.01	<0.01	<0.01		
3/16/2016	<0.01	<0.01						
3/17/2016							<0.01	<0.01
5/16/2016	<0.01	<0.01						
5/17/2016			<0.01			<0.01		
5/18/2016				<0.01	<0.01		<0.01	<0.01
7/25/2016	0.0022 (J)	<0.01						
7/26/2016			<0.01					
7/27/2016				<0.01	<0.01	<0.01	<0.01	
7/28/2016								<0.01
9/19/2016	<0.01	<0.01						
9/20/2016			<0.01	<0.01	<0.01	<0.01		
9/21/2016							<0.01	<0.01
11/3/2016		<0.01						
11/4/2016	<0.01		<0.01		<0.01	<0.01	<0.01	
11/7/2016				<0.01				<0.01
1/20/2017		<0.01	<0.01		<0.01			
1/23/2017	<0.01			<0.01		<0.01		
1/24/2017							<0.01	<0.01
3/28/2017			<0.01			<0.01		
3/29/2017	<0.01	<0.01		<0.01	<0.01		<0.01	
3/30/2017								<0.01
9/27/2017	<0.01	<0.01		<0.01	<0.01			
9/29/2017			<0.01			<0.01	<0.01	<0.01
3/15/2018	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
3/16/2018					<0.01			
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
9/14/2018								<0.01
3/14/2019	<0.01	<0.01						
3/15/2019				<0.01		<0.01		
3/18/2019			<0.01				<0.01	
3/19/2019					<0.01			<0.01
9/11/2019	<0.01	<0.01	<0.01		<0.01	<0.01 (D)	<0.01	<0.01
9/12/2019				<0.01				
3/9/2020				<0.01	0.00075 (J)	<0.01		<0.01
3/10/2020	<0.01	<0.01	<0.01					
3/11/2020							<0.01	

Time Series

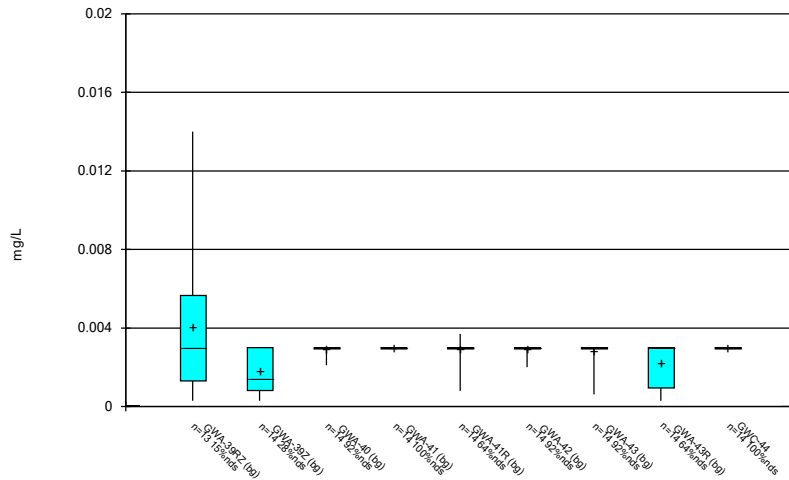
Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:23 AM View: Descriptive

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z
3/10/2016			0.00373 (J)	0.027	0.0154	0.00432 (J)		
3/16/2016	0.00599 (J)	0.000113 (J)						
3/17/2016							<0.01	<0.01
5/16/2016	<0.01	0.00452 (J)						
5/17/2016			0.00268 (J)			0.00672 (J)		
5/18/2016				0.0277	0.0136		<0.01	0.00208 (J)
7/25/2016	<0.01 (*)	<0.01 (*)						
7/26/2016			<0.01 (*)					
7/27/2016				0.0221	0.0153	<0.01 (*)	<0.01 (*)	
7/28/2016								<0.01 (*)
9/19/2016	0.0061 (J)	0.0034 (J)						
9/20/2016			0.0058 (J)	0.03	0.0173	0.0081 (J)		
9/21/2016							<0.01	0.0079 (J)
11/3/2016		0.0039 (J)						
11/4/2016	0.0032 (J)		0.0029 (J)		0.0149	0.0071 (J)	<0.01	
11/7/2016				0.0202				<0.01 (*)
1/20/2017		0.0023 (J)	<0.01		0.0134			
1/23/2017	0.0031 (J)			0.0156		<0.01		
1/24/2017							<0.01	0.0053 (J)
3/28/2017			<0.01 (*)			<0.01 (*)		
3/29/2017	<0.01 (*)	<0.01 (*)		<0.01 (*)	<0.01 (*)		<0.01 (*)	
3/30/2017								<0.01 (*)
9/27/2017	0.0048 (J)	0.0036 (J)		0.0196	0.0111			
9/29/2017			0.0016 (J)			0.0055 (J)	<0.01	0.004 (J)
12/28/2017				0.0315 (Y)				
3/15/2018	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
3/16/2018					0.012			
9/13/2018	<0.01	<0.01	<0.01	0.031	<0.01	<0.01	<0.01	
9/14/2018								<0.01
3/14/2019	<0.01	0.0022 (J)						
3/15/2019				0.051		0.0058 (J)		
3/18/2019			<0.01				<0.01	
3/19/2019					0.016			0.0034 (J)
9/11/2019	0.0065 (J)	0.0058 (J)	0.0055 (J)		0.028	0.011 (D)	0.005 (J)	0.0085 (J)
9/12/2019				0.035				
3/9/2020				0.044	0.032	0.0079 (J)		0.0047 (J)
3/10/2020	0.0031 (J)	0.0035 (J)	0.0029 (J)					
3/11/2020							0.0036 (J)	

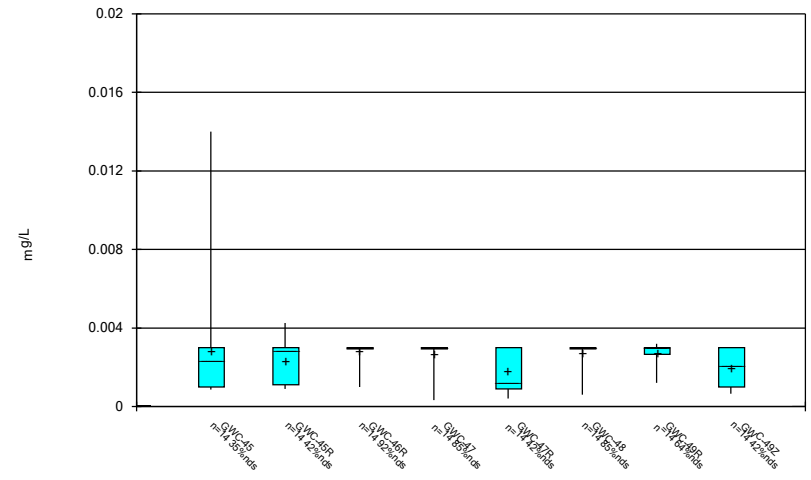
FIGURE B.

Box & Whiskers Plot



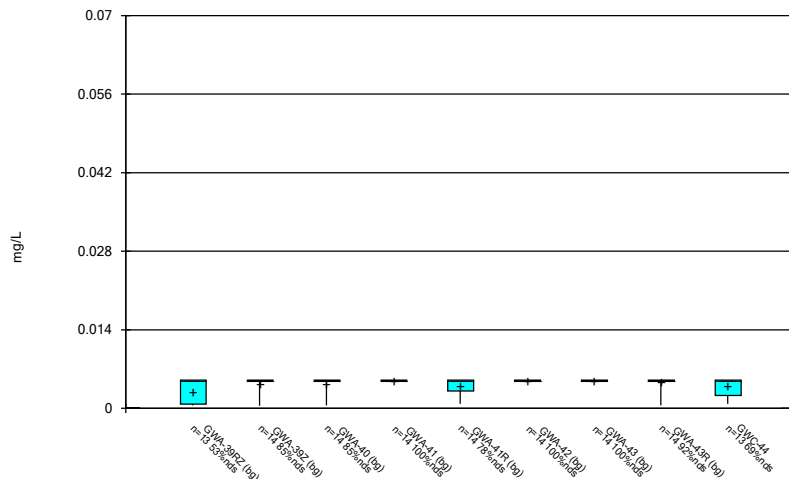
Constituent: Antimony Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



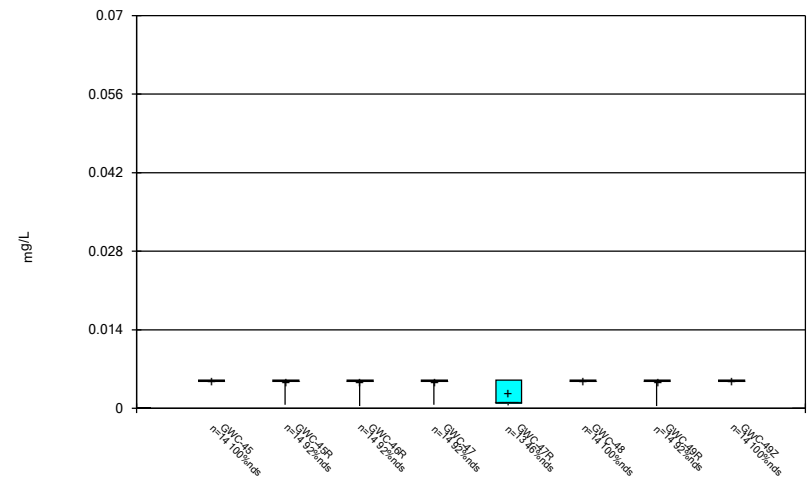
Constituent: Antimony Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



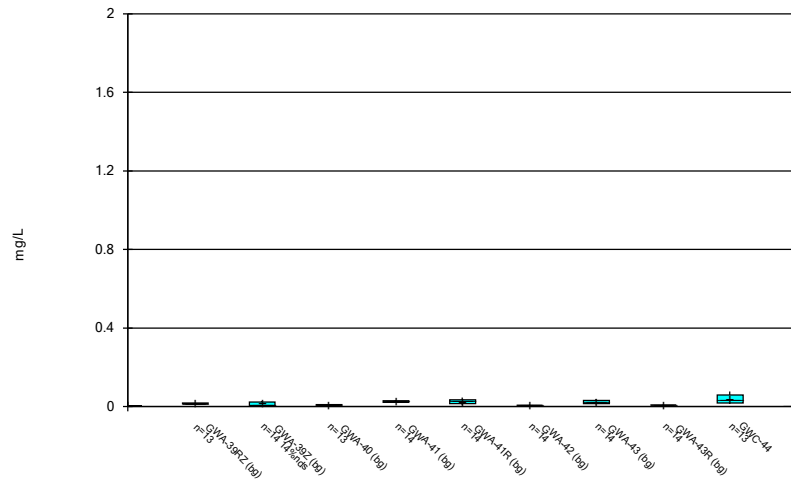
Constituent: Arsenic Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



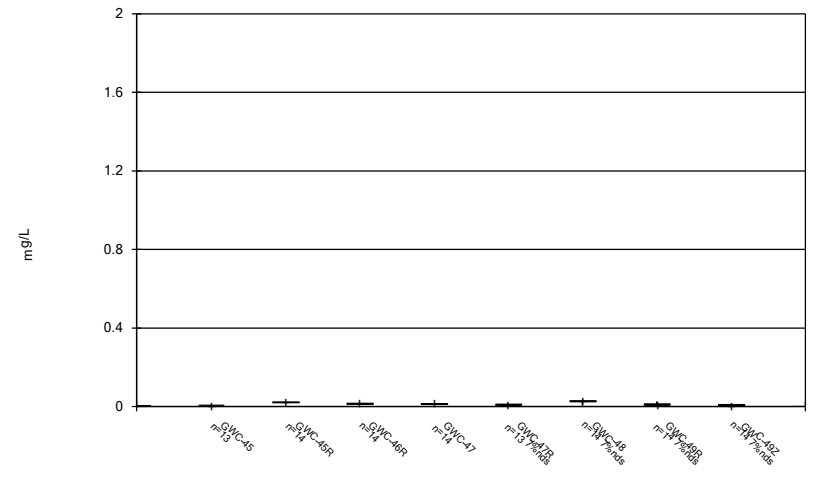
Constituent: Arsenic Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



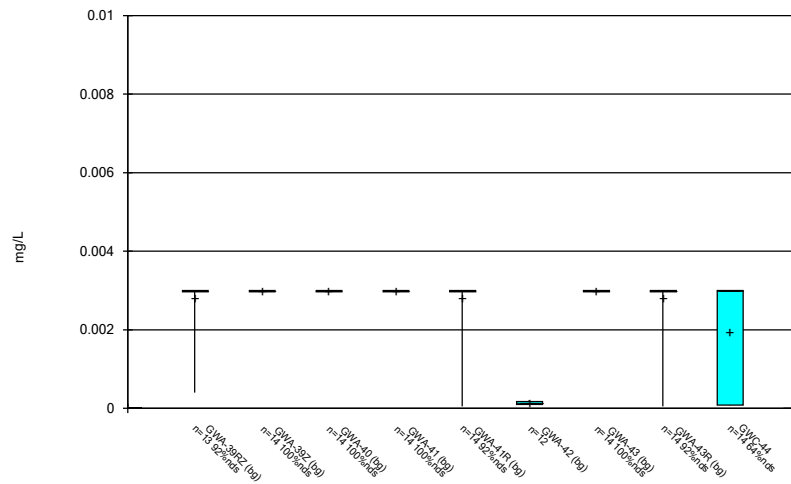
Constituent: Barium Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



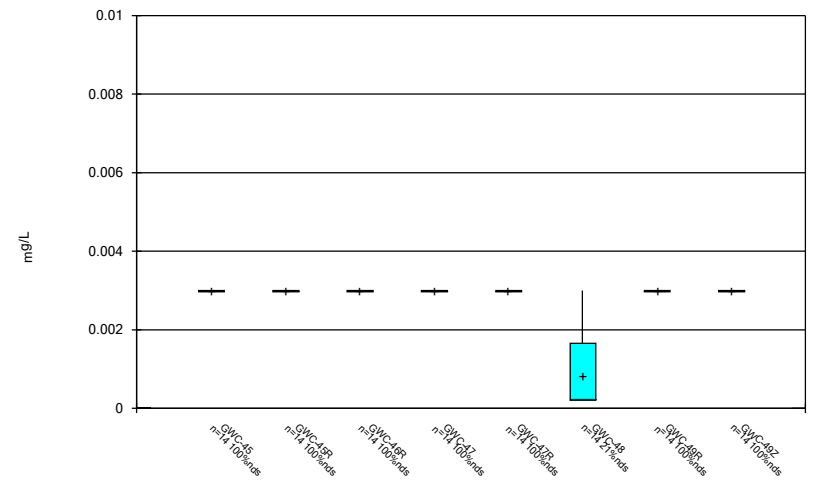
Constituent: Barium Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



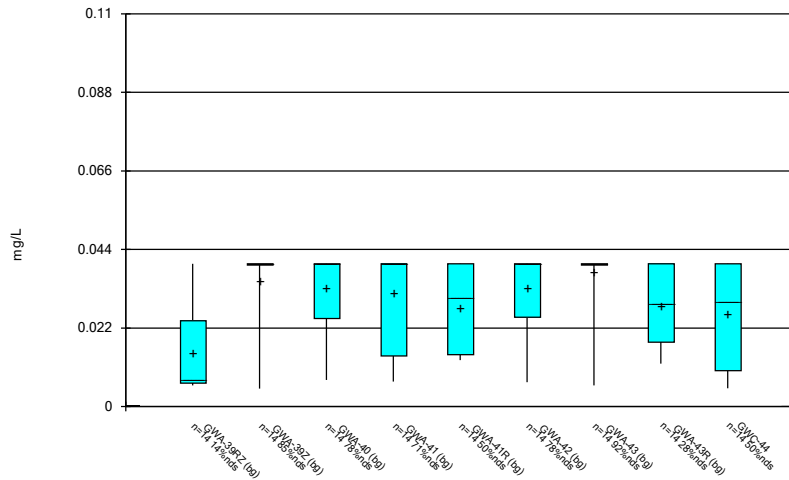
Constituent: Beryllium Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



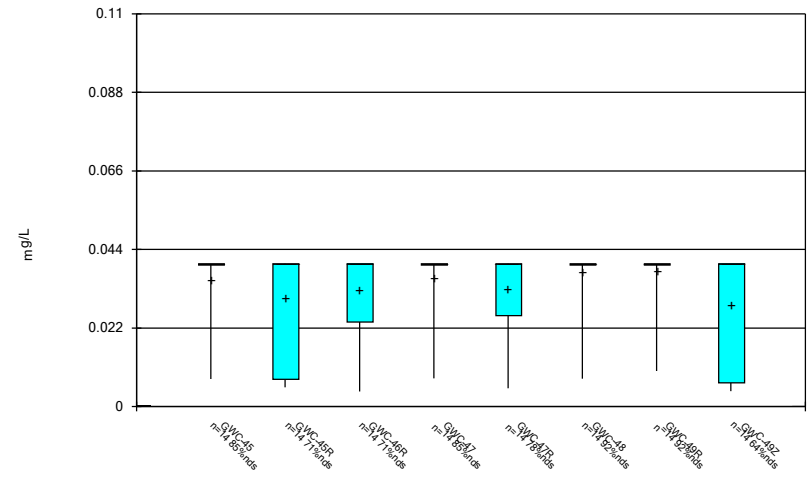
Constituent: Beryllium Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



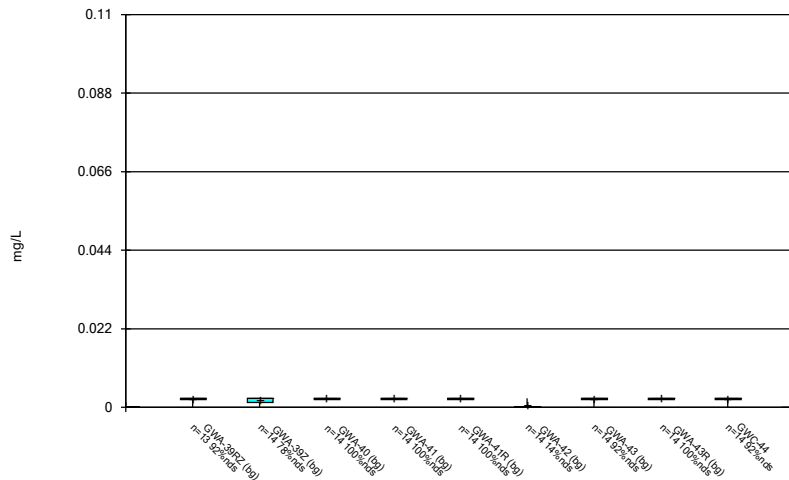
Constituent: Boron Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



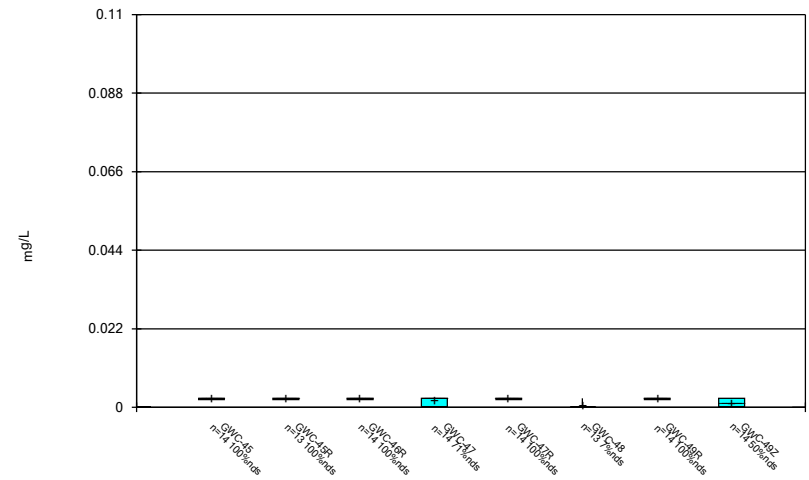
Constituent: Boron Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



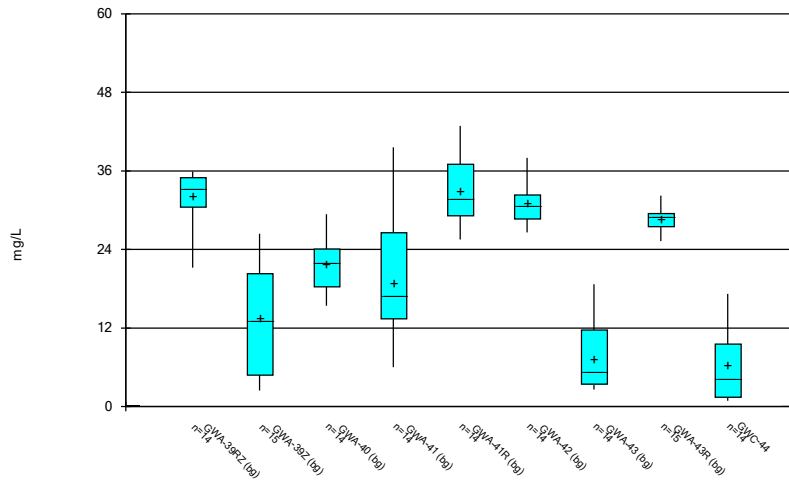
Constituent: Cadmium Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



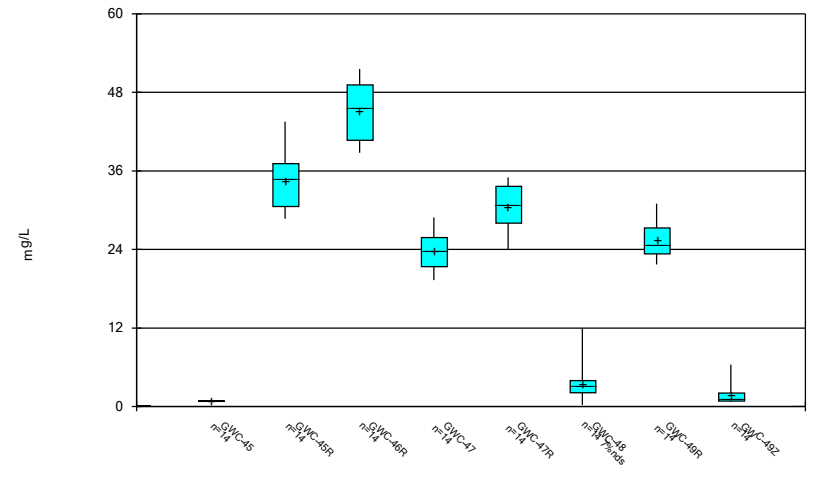
Constituent: Cadmium Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



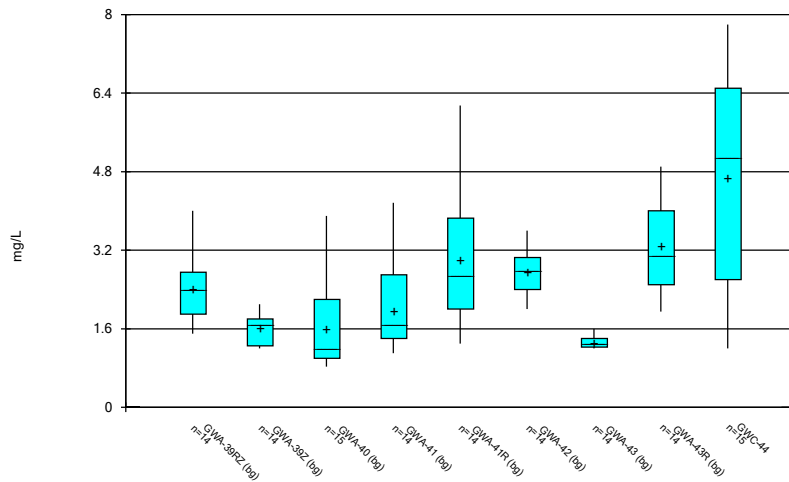
Constituent: Calcium Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



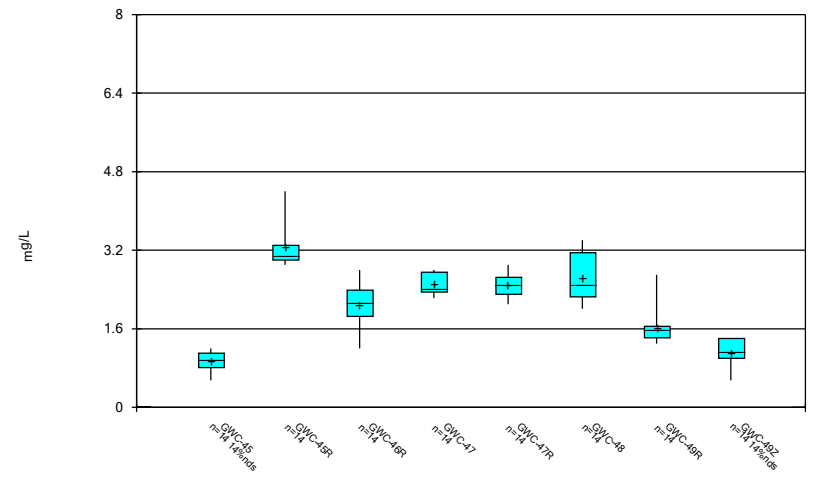
Constituent: Calcium Analysis Run 4/17/2020 7:24 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



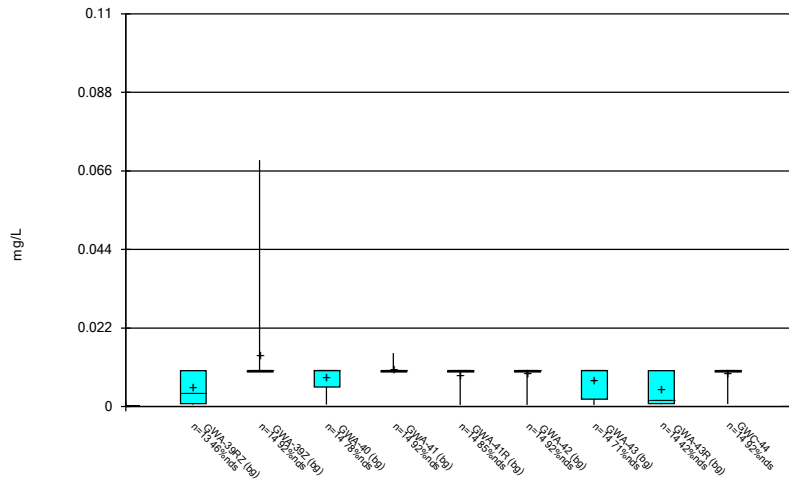
Constituent: Chloride Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



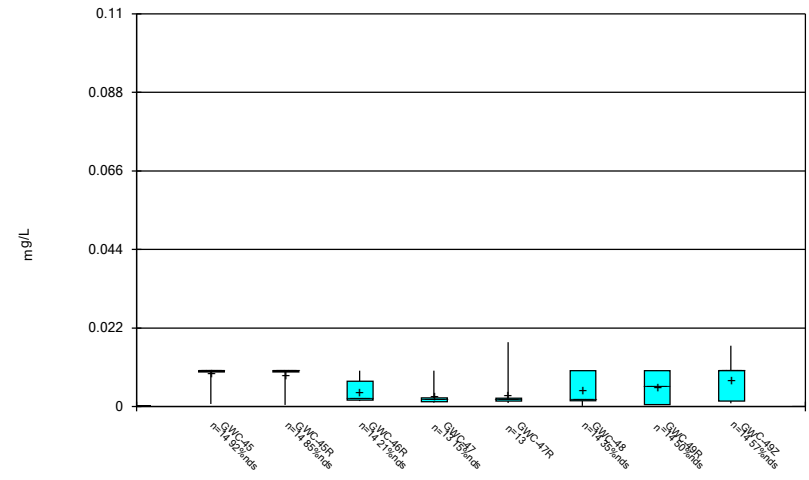
Constituent: Chloride Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



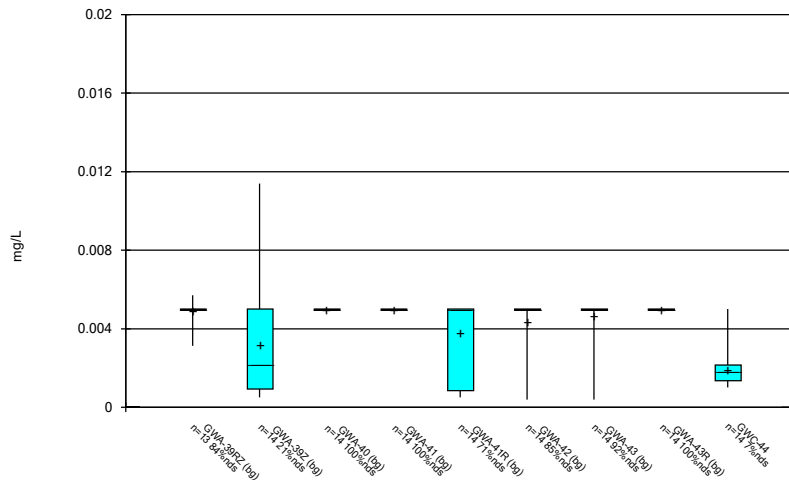
Constituent: Chromium Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



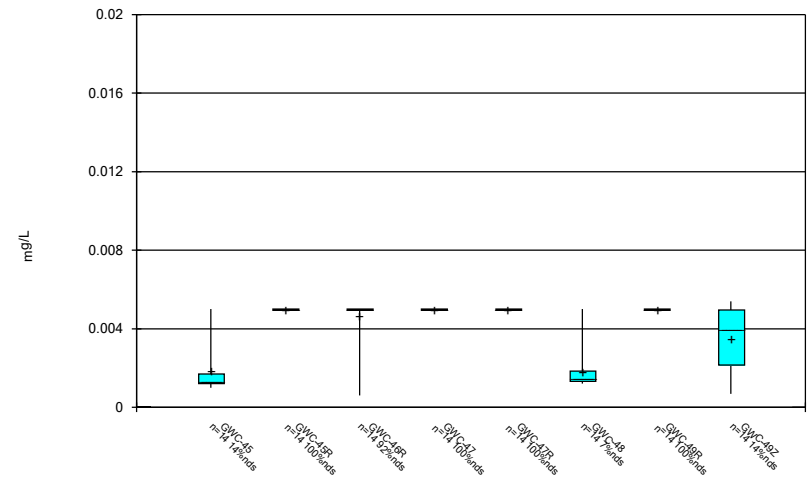
Constituent: Chromium Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



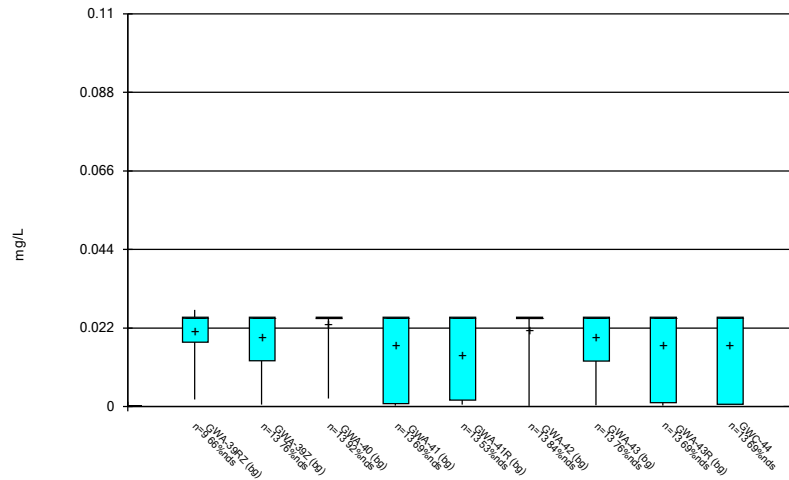
Constituent: Cobalt Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



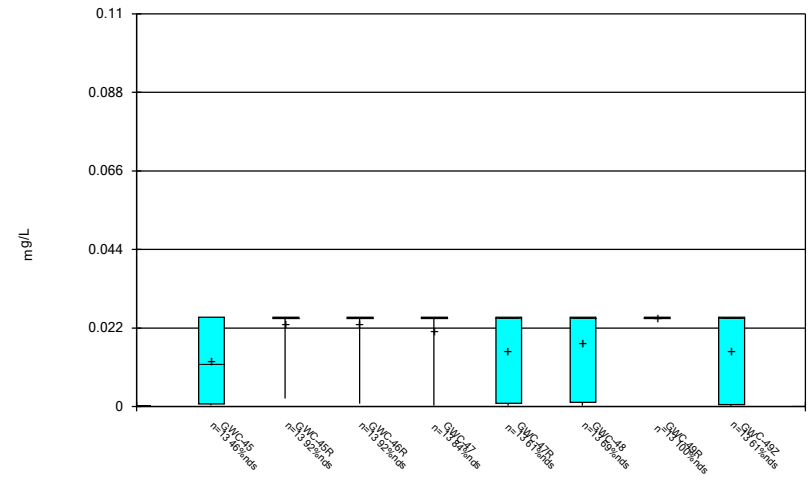
Constituent: Cobalt Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



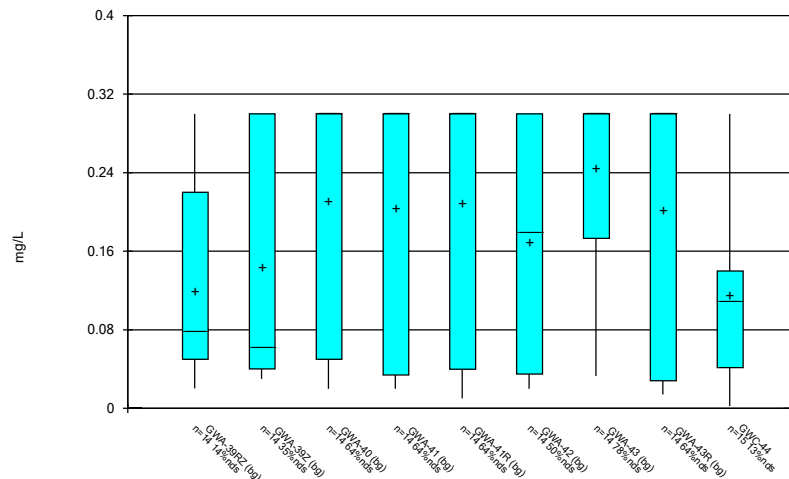
Constituent: Copper Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



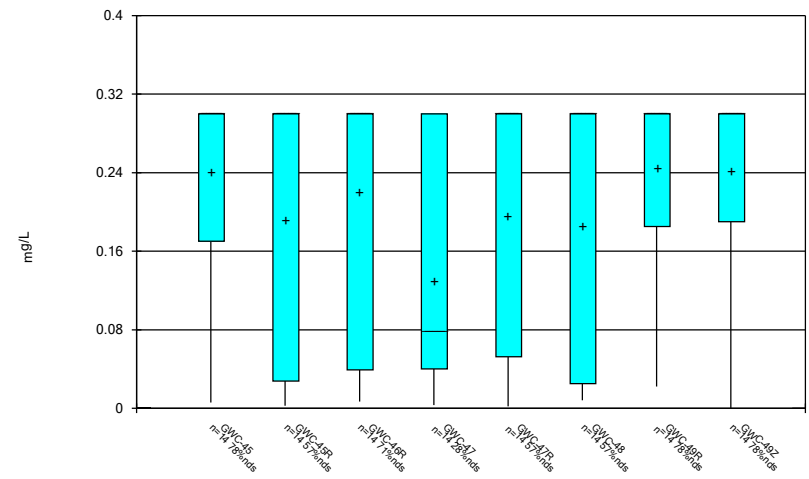
Constituent: Copper Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



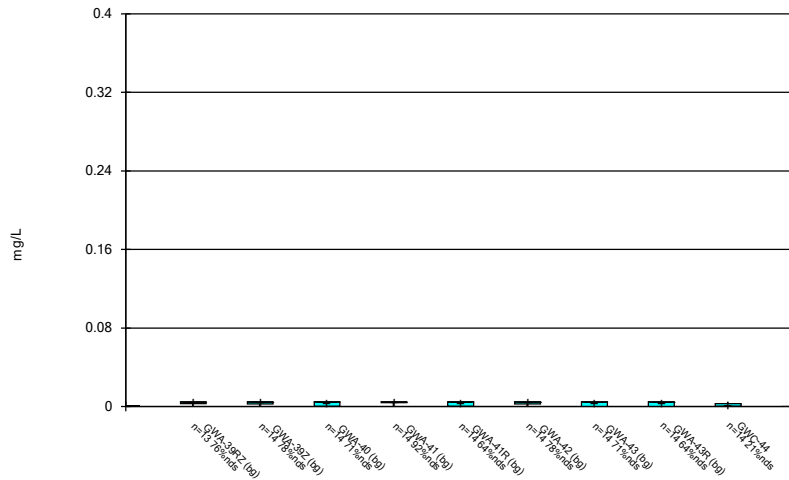
Constituent: Fluoride Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



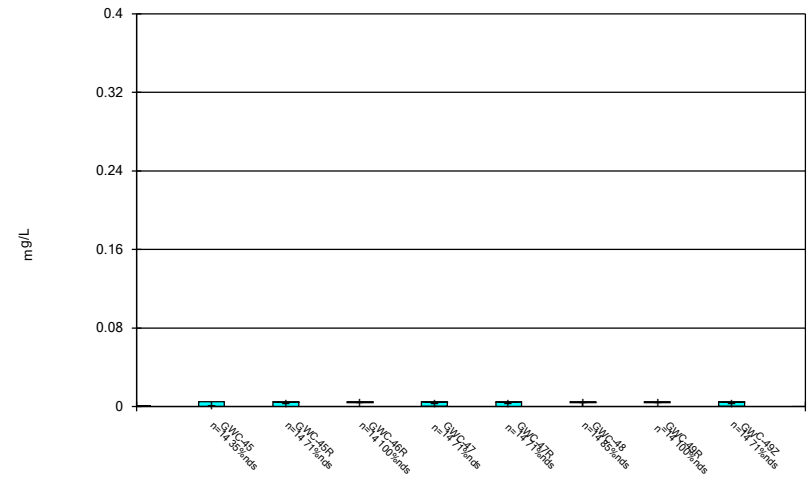
Constituent: Fluoride Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



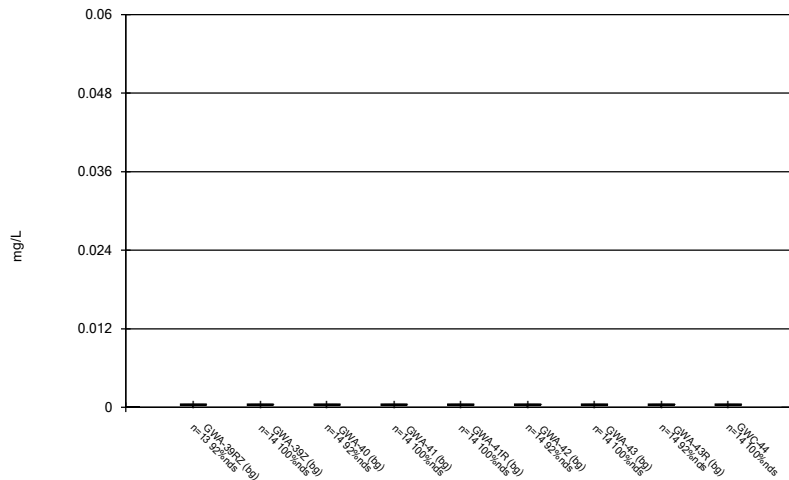
Constituent: Lead Analysis Run 4/17/2020 7:25 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



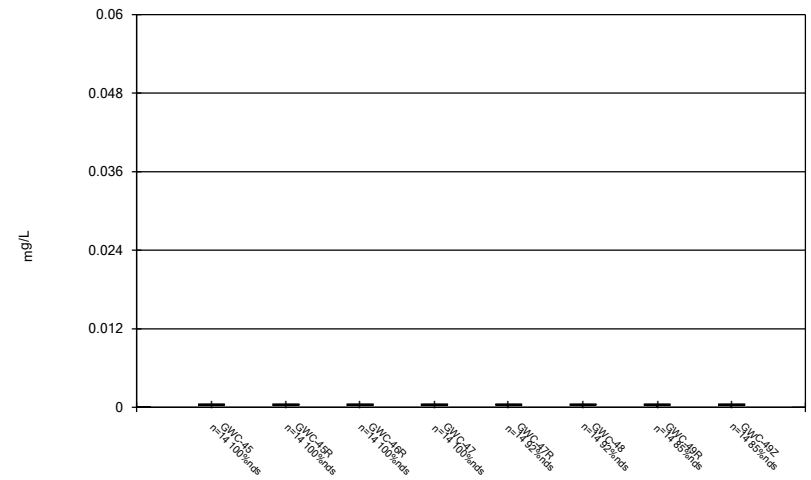
Constituent: Lead Analysis Run 4/17/2020 7:25 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



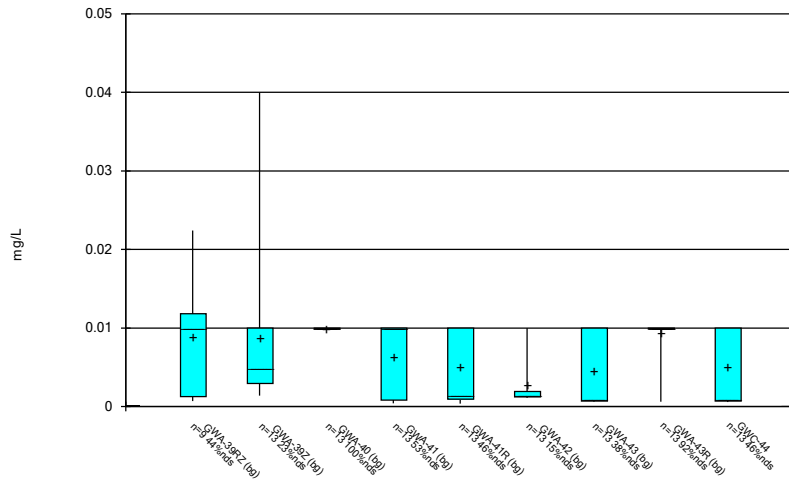
Constituent: Mercury Analysis Run 4/17/2020 7:25 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



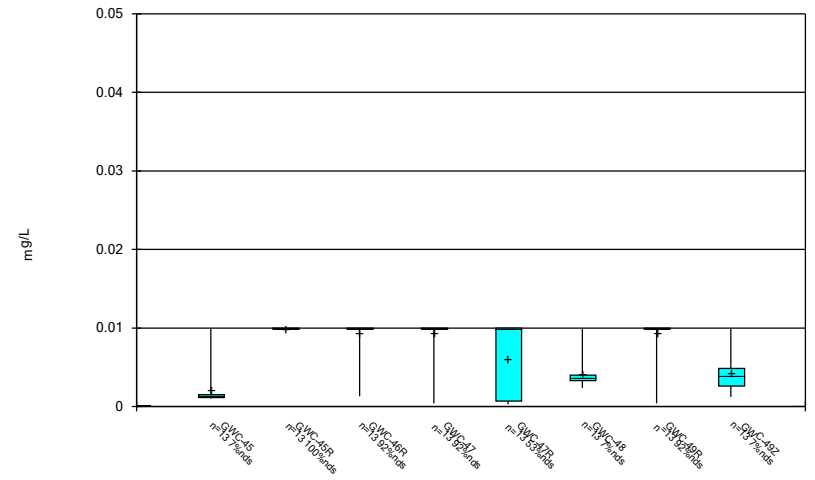
Constituent: Mercury Analysis Run 4/17/2020 7:25 AM View: Descriptive
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



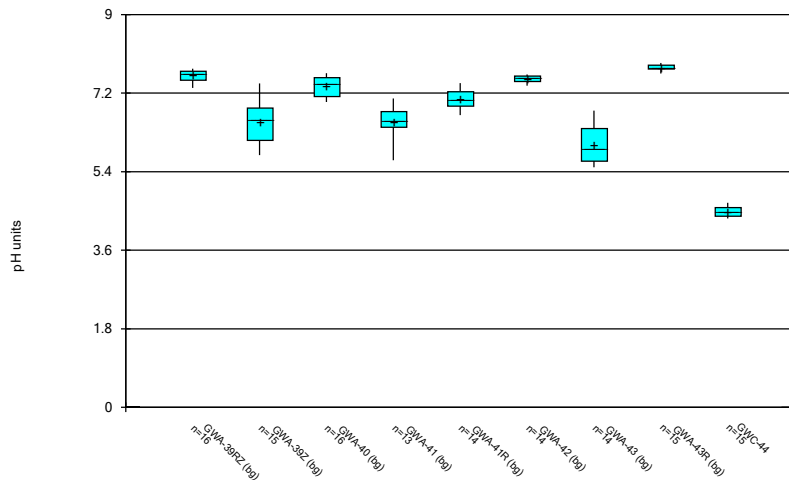
Constituent: Nickel Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



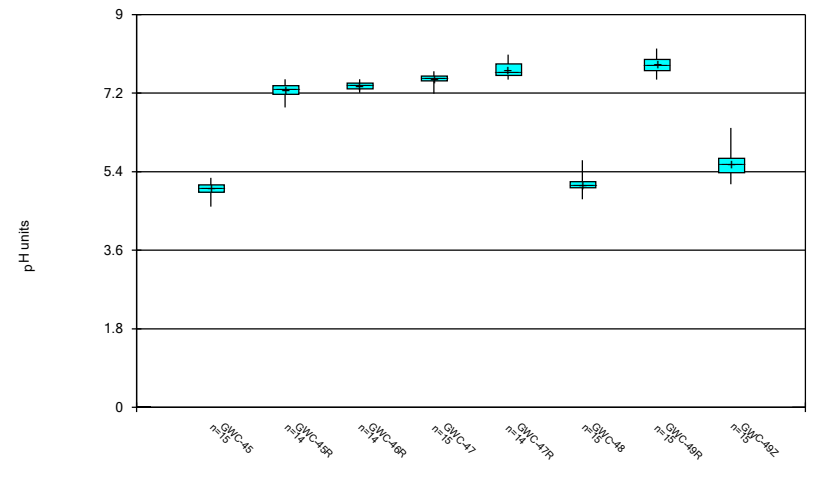
Constituent: Nickel Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



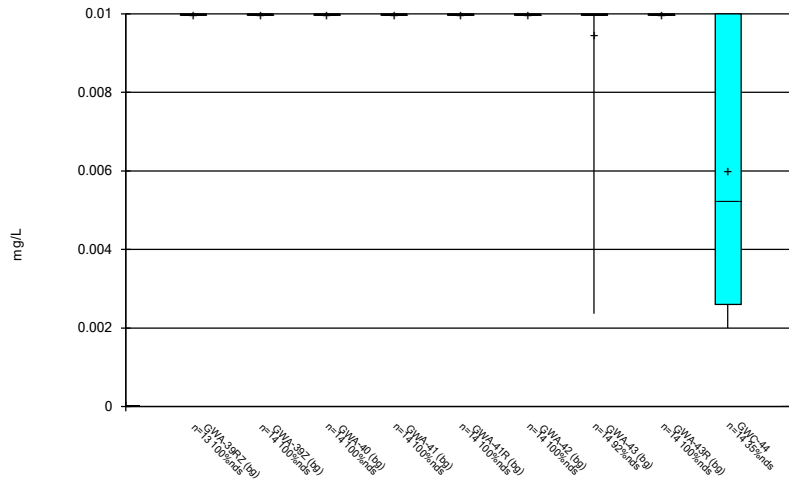
Constituent: pH Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



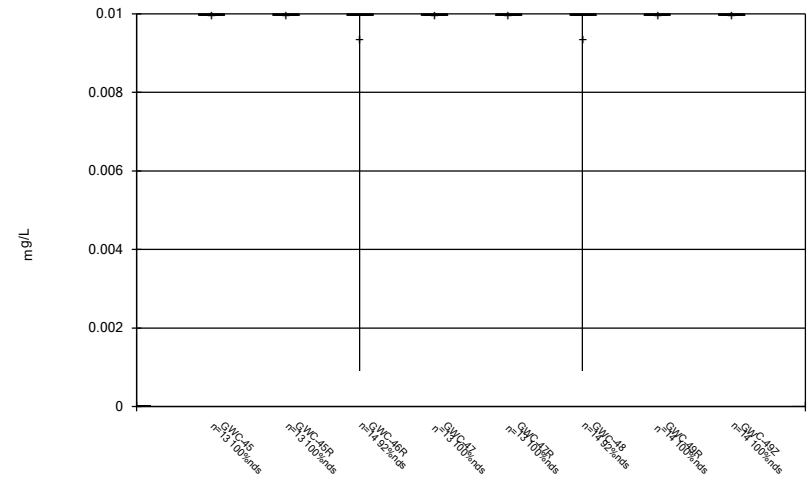
Constituent: pH Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



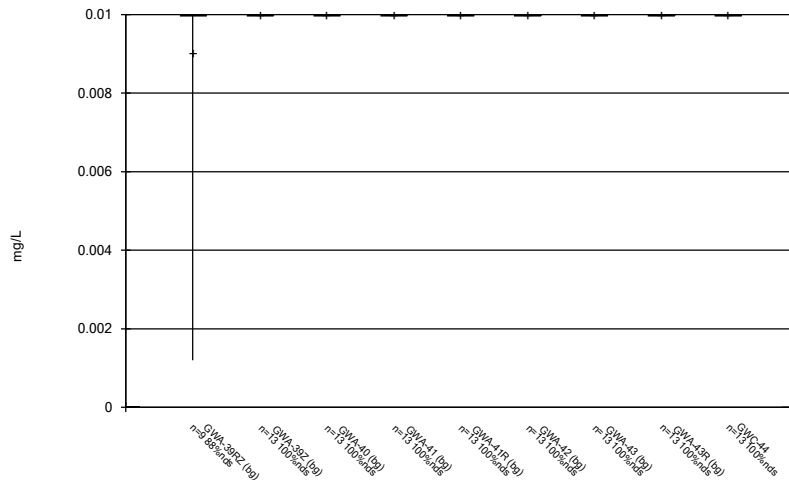
Constituent: Selenium Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



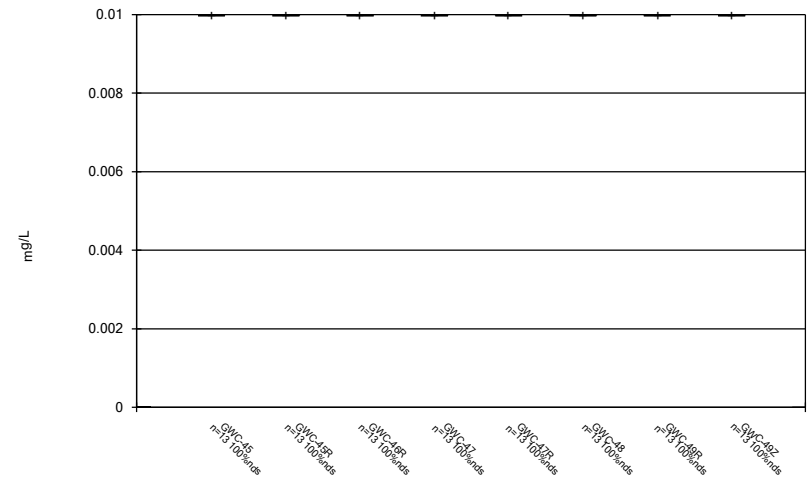
Constituent: Selenium Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



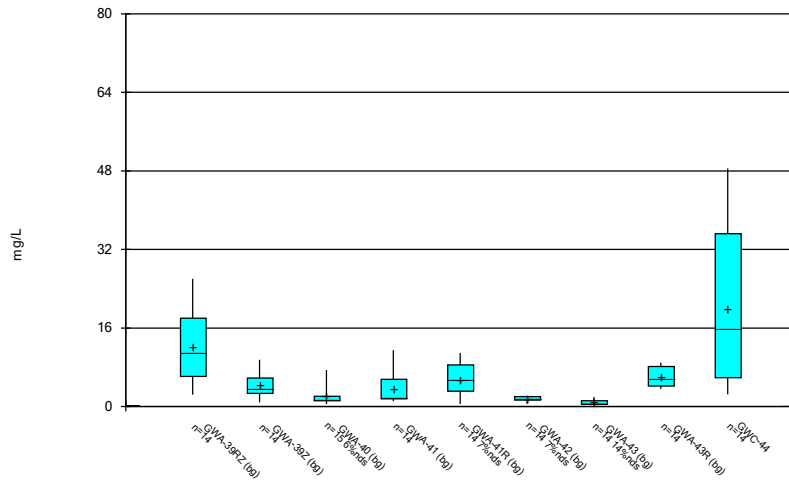
Constituent: Silver Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



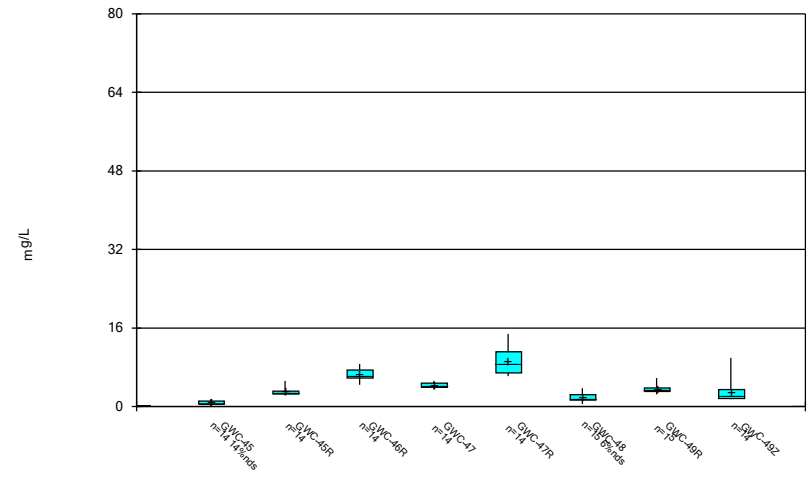
Constituent: Silver Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



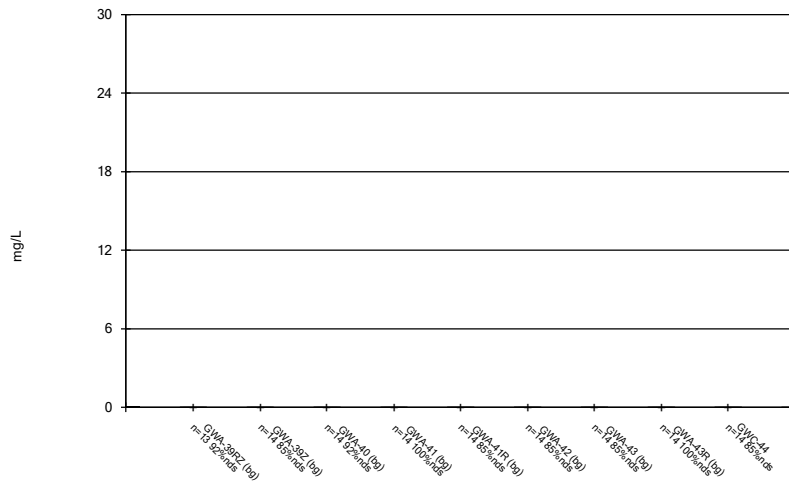
Constituent: Sulfate Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



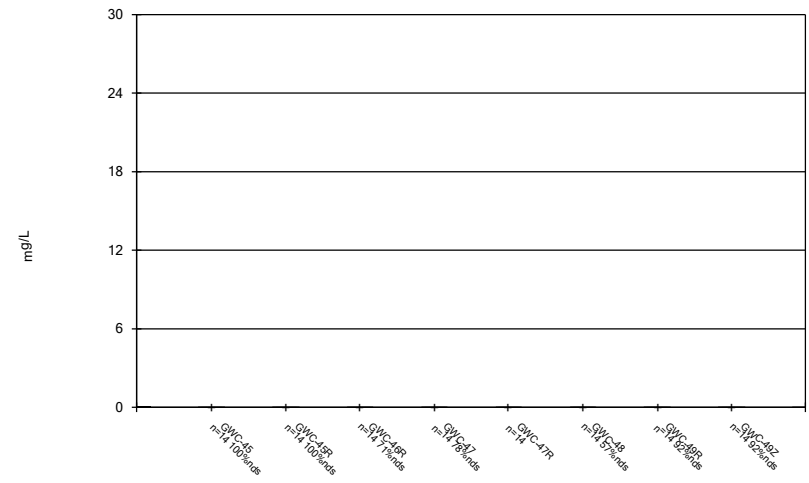
Constituent: Sulfate Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



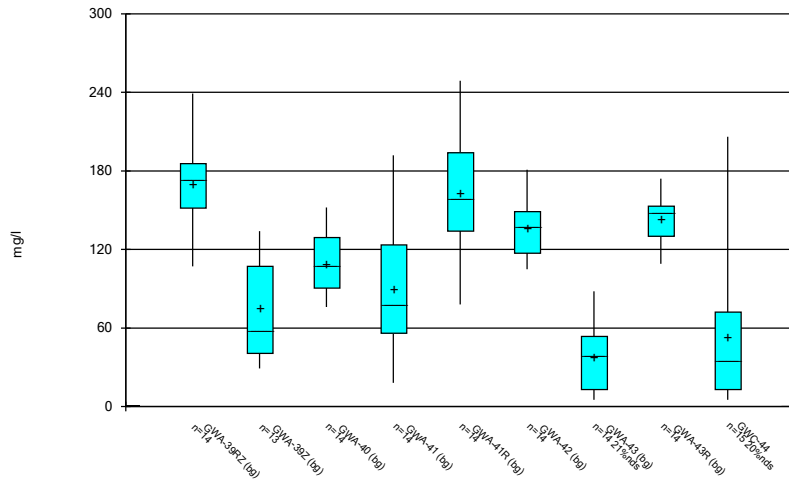
Constituent: Thallium Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



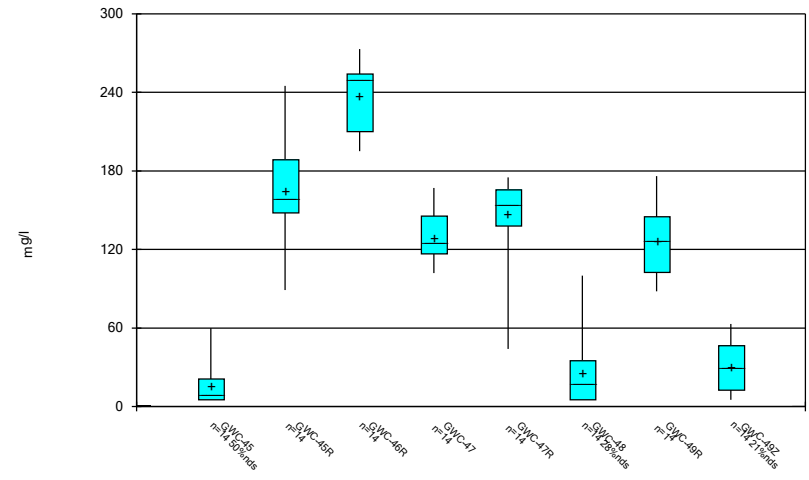
Constituent: Thallium Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



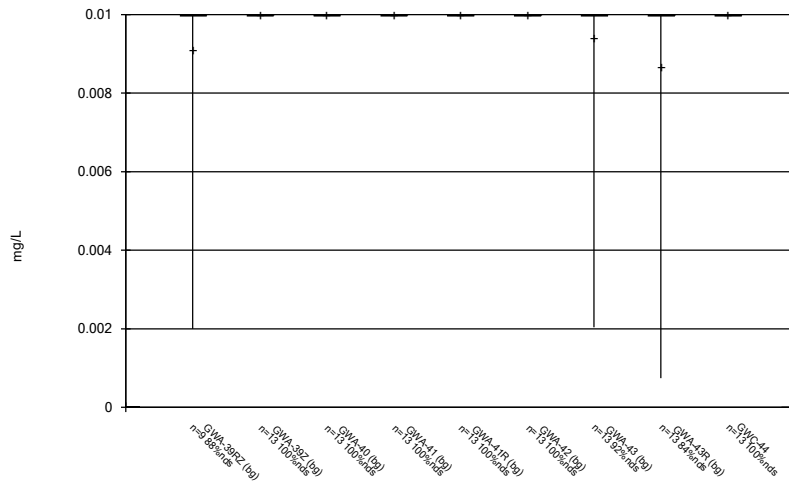
Constituent: Total Dissolved Solids Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



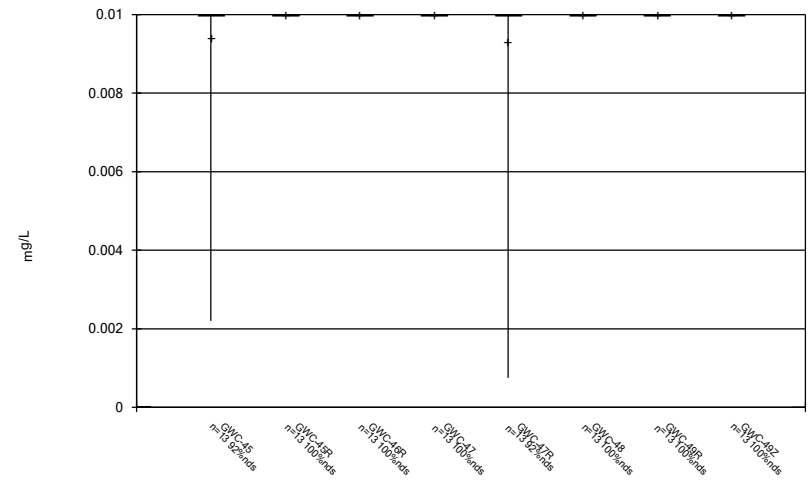
Constituent: Total Dissolved Solids Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



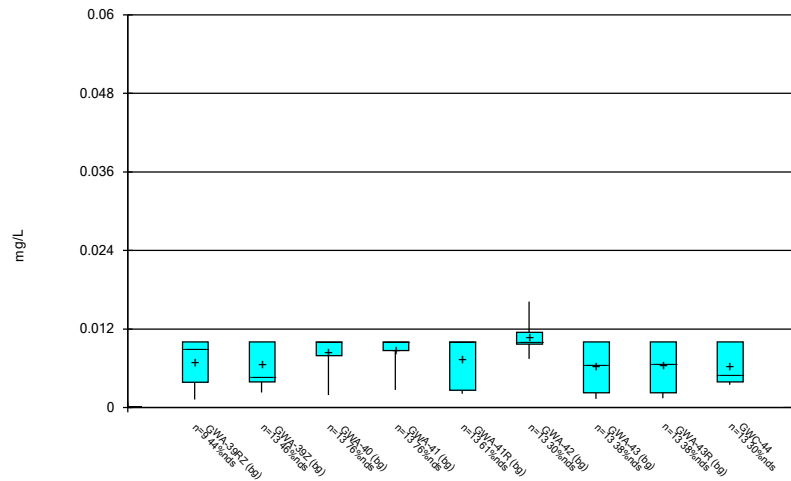
Constituent: Vanadium Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



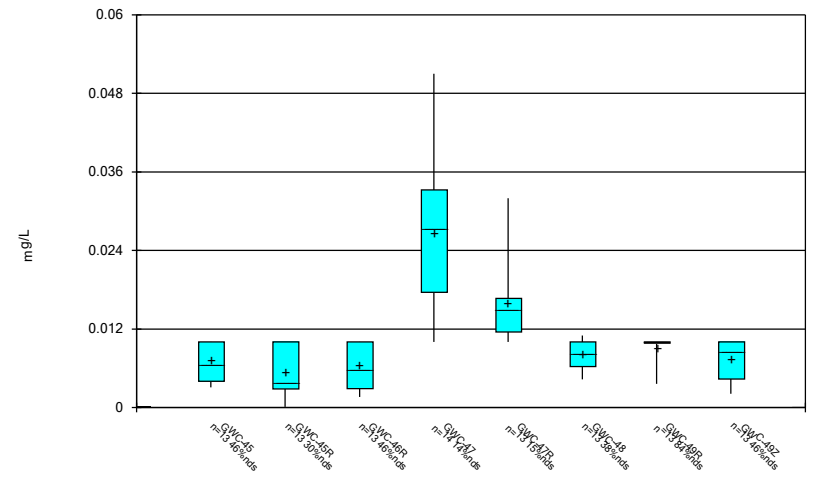
Constituent: Vanadium Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/17/2020 7:25 AM View: Descriptive
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 11:02 AM

GWC-45 Antimony (mg/L) GWC-44 Arsenic (mg/L) GWC-47R Arsenic (mg/L) GWA-40 Barium (mg/L) GWC-44 Barium (mg/L) GWC-45 Barium (mg/L) GWC-47R Barium (mg/L) GWA-42 Beryllium (mg/L) GWC-45R Cadmium (mg/L) GWC-48 Cadmium (mg/L)

Date	GWC-45 Antimony (mg/L)	GWC-44 Arsenic (mg/L)	GWC-47R Arsenic (mg/L)	GWA-40 Barium (mg/L)	GWC-44 Barium (mg/L)	GWC-45 Barium (mg/L)	GWC-47R Barium (mg/L)	GWA-42 Beryllium (mg/L)	GWC-45R Cadmium (mg/L)	GWC-48 Cadmium (mg/L)
3/10/2016			0.0551 (o)				0.0344 (o)			0.0195 (Jo)
3/11/2016								<0.003 (o)		
3/15/2016				<3 (o)						
3/16/2016	0.0657 (o)			<3 (o)	0.6294 (o)				0.0167 (o)	
5/16/2016								<0.003 (o)		
5/18/2016										
9/27/2017	0.0111 (o)									
3/14/2019										

GWC-47 Chromium (mg/L) GWC-47R Chromium (mg/L) GWC-44 Sulfate (mg/L)

Date	GWC-47 Chromium (mg/L)	GWC-47R Chromium (mg/L)	GWC-44 Sulfate (mg/L)
3/10/2016	0.0439 (o)		
3/11/2016			
3/15/2016			
3/16/2016			
5/16/2016			
5/18/2016	0.00606 (Jo)		
9/27/2017			
3/14/2019			79.7 (O)

FIGURE D.

Intrawell Prediction Limits (State) - Bedrock Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:03 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-41R	0.0035	n/a	3/9/2020	0.0037	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWC-49R	0.01169	n/a	3/11/2020	0.026	11	9.9e-7	3.2e-7	9.091	None	x^3	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-47R	0.01788	n/a	3/9/2020	0.032	10	0.0133	0.002353	20	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3

Intrawell Prediction Limits (State) - Bedrock All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:03 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-39RZ	0.007699	n/a	3/9/2020	0.0013	11	0.003012	0.002494	18.18	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWA-41R	0.0035	n/a	3/9/2020	0.0037	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-43R	0.003	n/a	3/9/2020	0.00037	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-45R	0.003517	n/a	3/10/2020	0.003ND	11	0.001604	0.001018	27.27	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWC-46R	0.003	n/a	3/10/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-47R	0.001616	n/a	3/9/2020	0.00056	11	0.03034	0.005246	45.45	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWC-49R	0.003	n/a	3/11/2020	0.0012	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	3/9/2020	0.00083	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-41R	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-43R	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-45R	0.005	n/a	3/10/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-46R	0.005	n/a	3/10/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-47R	0.005	n/a	3/9/2020	0.00051	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Arsenic (mg/L)	GWC-49R	0.005	n/a	3/11/2020	0.00041	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-39RZ	0.01964	n/a	3/9/2020	0.017	11	0.01544	0.002236	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWA-41R	0.0447	n/a	3/9/2020	0.031	11	0.02243	0.01186	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWA-43R	0.008996	n/a	3/9/2020	0.0069	11	0.008105	0.0004743	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-45R	0.02411	n/a	3/10/2020	0.024	11	0.02006	0.002154	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-46R	0.02079	n/a	3/10/2020	0.013	11	0.01549	0.002822	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-47R	0.01808	n/a	3/9/2020	0.0082	10	0.01146	0.003404	10	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-49R	0.01169	n/a	3/11/2020	0.026	11	9.9e-7	3.2e-7	9.091	None	x^3	0.0008228	Param Intra 1 of 3
Beryllium (mg/L)	GWA-39RZ	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-41R	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-43R	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-39RZ	0.0025	n/a	3/9/2020	0.0025ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-39RZ	0.01	n/a	3/9/2020	0.0016	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41R	0.01	n/a	3/9/2020	0.0004	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-43R	0.002735	n/a	3/9/2020	0.0014	11	-6.826	0.492	45.45	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-45R	0.01	n/a	3/10/2020	0.00092	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-46R	0.003994	n/a	3/10/2020	0.0035	11	-6.182	0.3505	27.27	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-47R	0.003043	n/a	3/9/2020	0.0023	10	0.001916	0.0005792	0	None	No	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-49R	0.01	n/a	3/11/2020	0.0012	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	3/9/2020	0.005ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-41R	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-46R	0.005	n/a	3/10/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-39RZ	0.0271	n/a	3/9/2020	0.011	7	n/a	n/a	71.43	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-41R	0.025	n/a	3/9/2020	0.0014	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-43R	0.025	n/a	3/9/2020	0.00035	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-45R	0.025	n/a	3/10/2020	0.025ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-46R	0.025	n/a	3/10/2020	0.025ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-47R	0.025	n/a	3/9/2020	0.00032	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-39RZ	0.005	n/a	3/9/2020	0.00027	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-41R	0.005	n/a	3/9/2020	0.000049	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-43R	0.005	n/a	3/9/2020	0.000096	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-45R	0.005	n/a	3/10/2020	0.005ND	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-47R	0.005	n/a	3/9/2020	0.00008	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-39RZ	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-43R	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-47R	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-49R	0.0005	n/a	3/11/2020	0.0005ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

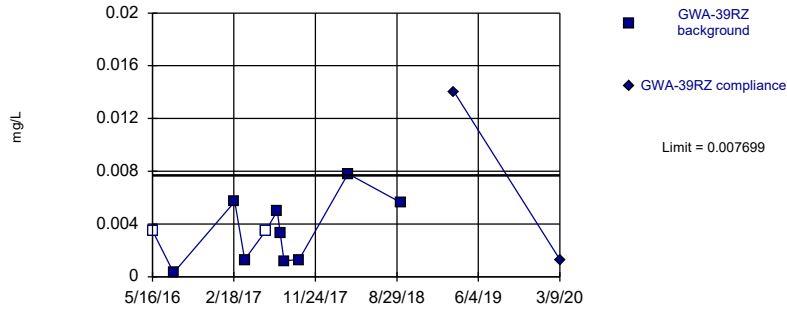
Intrawell Prediction Limits (State) - Bedrock All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:03 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	3/9/2020	0.00083	7	n/a	n/a	57.14	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-41R	0.01	n/a	3/9/2020	0.00036	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-43R	0.01	n/a	3/9/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-46R	0.01	n/a	3/10/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-47R	0.01	n/a	3/9/2020	0.01ND	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-49R	0.01	n/a	3/11/2020	0.0004	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-46R	0.01	n/a	3/10/2020	0.01ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-39RZ	0.01	n/a	3/9/2020	0.01ND	7	n/a	n/a	85.71	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-39RZ	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-41R	0.001	n/a	3/9/2020	0.000061	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-46R	0.001	n/a	3/10/2020	0.001ND	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-47R	0.0009583	n/a	3/9/2020	0.00021	11	-7.867	0.4878	0	None	ln(x)	0.0008228	Param Intra 1 of 3
Thallium (mg/L)	GWC-49R	0.001	n/a	3/11/2020	0.001ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	3/9/2020	0.01ND	7	n/a	n/a	85.71	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-43R	0.01	n/a	3/9/2020	0.00074	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-47R	0.01	n/a	3/9/2020	0.00075	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-39RZ	0.01	n/a	3/9/2020	0.009	7	n/a	n/a	57.14	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-41R	0.01	n/a	3/9/2020	0.0024	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-43R	0.009267	n/a	3/9/2020	0.0022	10	0.004636	0.00238	50	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-45R	0.005777	n/a	3/10/2020	0.0035	10	0.002972	0.001441	40	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-46R	0.006359	n/a	3/10/2020	0.0029	10	0.05657	0.01191	50	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-47R	0.01788	n/a	3/9/2020	0.032	10	0.0133	0.002353	20	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-49R	0.01	n/a	3/11/2020	0.0036	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit
Intrawell Parametric

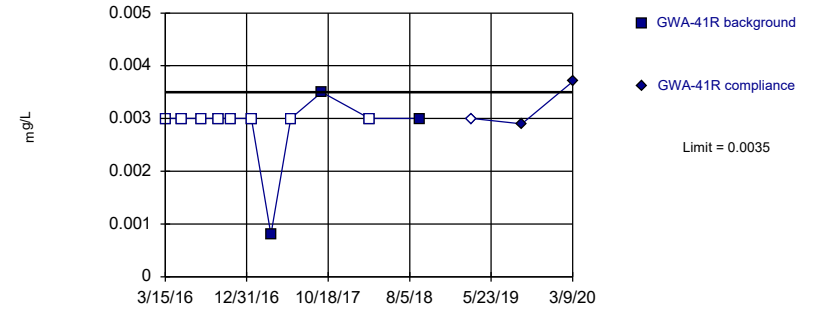


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003012, Std. Dev.=0.002494, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9403, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Antimony Analysis Run 4/17/2020 6:57 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

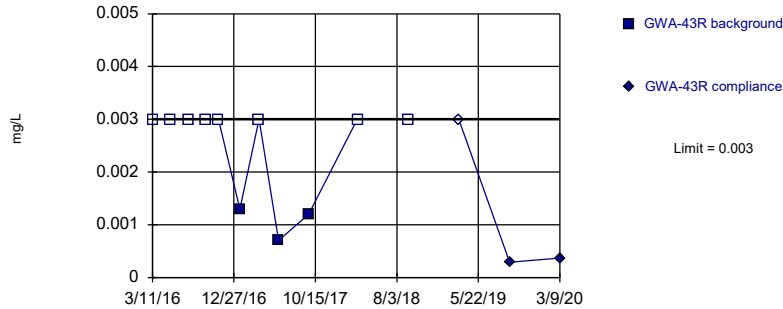


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 6:57 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

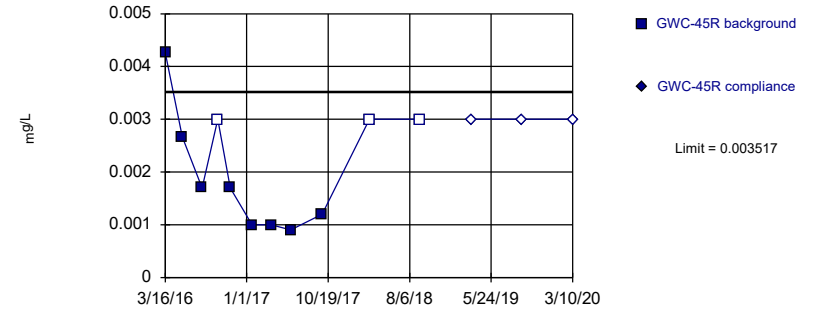


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 6:57 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001604, Std. Dev.=0.001018, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8897, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Antimony Analysis Run 4/17/2020 6:57 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0035 (D)	
7/27/2016	0.0003 (JD)	
2/21/2017	0.0057	
3/27/2017	0.0013 (JD)	
6/8/2017	<0.0035 (*)	
7/17/2017	0.005 (D)	
7/27/2017	0.0033	
8/9/2017	0.0012 (J)	
9/29/2017	0.0013 (JD)	
3/16/2018	0.0078	
9/14/2018	0.0056	
3/14/2019		0.014
3/9/2020		0.0013 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.003	
5/13/2016	<0.003	
7/21/2016	<0.003 (*)	
9/21/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	0.0008 (J)	
6/6/2017	<0.003	
9/25/2017	0.0035	
3/14/2018	<0.003	
9/12/2018	0.003	
3/14/2019		<0.003
9/10/2019		0.0029 (J)
3/9/2020		0.0037

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	0.0013 (J)	
3/28/2017	<0.003	
6/6/2017	0.0007 (J)	
9/22/2017	0.0012 (J)	
3/15/2018	<0.003	
9/12/2018	<0.003	
3/13/2019		<0.003
9/11/2019		0.00029 (J)
3/9/2020		0.00037 (J)

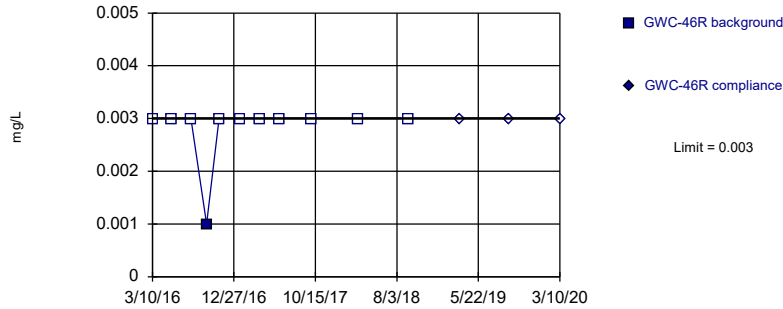
Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	0.00426	
5/16/2016	0.00267 (J)	
7/25/2016	0.0017 (J)	
9/19/2016	<0.003	
11/3/2016	0.0017 (J)	
1/20/2017	0.001 (J)	
3/29/2017	0.001 (J)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0012 (J)	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/14/2019		<0.003
9/11/2019		<0.003
3/10/2020		<0.003

Within Limit

Prediction Limit
Intrawell Non-parametric

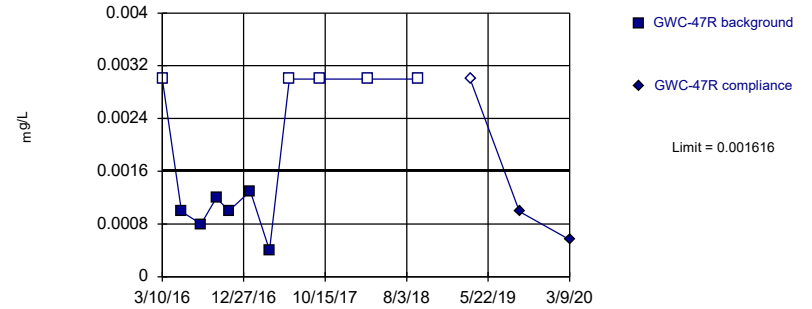


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

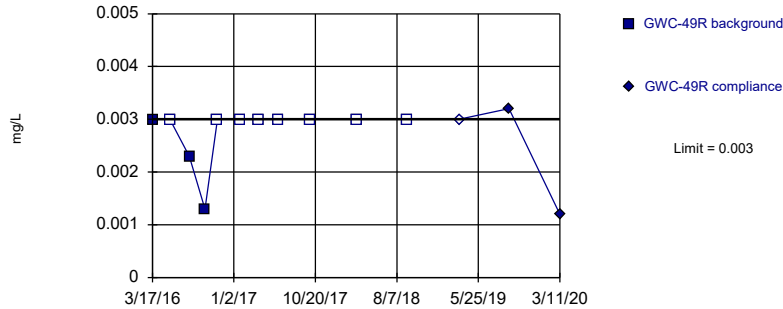


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03034, Std. Dev.=0.005246, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8154, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Antimony Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

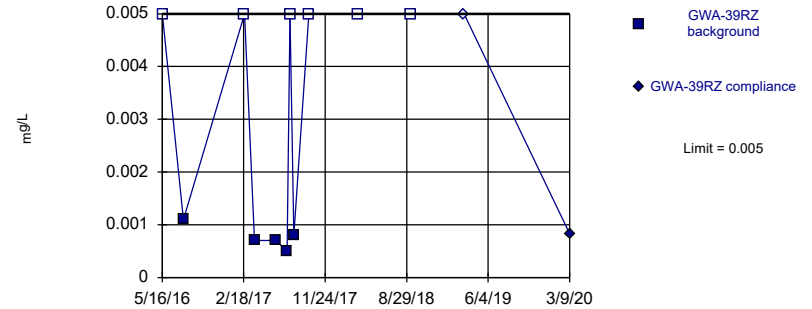


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.003	
5/17/2016	<0.003	
7/26/2016	<0.003	
9/20/2016	0.001 (J)	
11/4/2016	<0.003	
1/20/2017	<0.003	
3/28/2017	<0.003	
6/7/2017	<0.003	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019		<0.003
9/11/2019		<0.003
3/10/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.003	
5/18/2016	0.000987 (J)	
7/27/2016	0.0008 (J)	
9/20/2016	0.0012 (J)	
11/4/2016	0.001 (J)	
1/20/2017	0.0013 (J)	
3/29/2017	0.0004 (J)	
6/8/2017	<0.003 (*)	
9/27/2017	<0.003	
3/16/2018	<0.003	
9/13/2018	<0.003	
3/19/2019		<0.003
9/11/2019		0.00099 (J)
3/9/2020		0.00056 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	0.003	
5/18/2016	<0.003	
7/27/2016	0.0023 (J)	
9/21/2016	0.0013 (J)	
11/4/2016	<0.003	
1/24/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019		<0.003
9/11/2019		0.0032
3/11/2020		0.0012 (J)

Prediction Limit

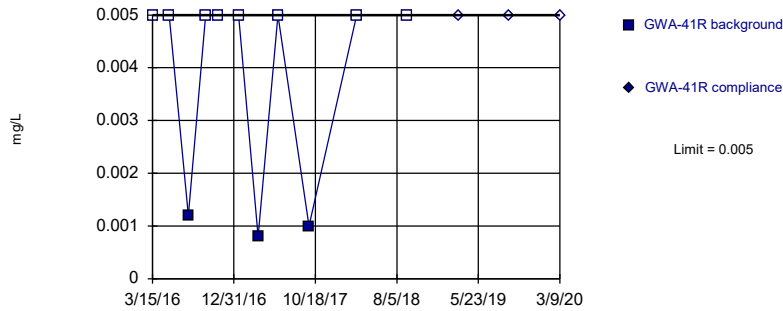
Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.005	
3/27/2017	0.0007 (JD)	
6/8/2017	0.0007 (JD)	
7/17/2017	0.0005 (JD)	
7/27/2017	<0.005	
8/9/2017	0.0008 (J)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
3/9/2020		0.00083 (J)

Sanitas™ v.9.6.25f Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



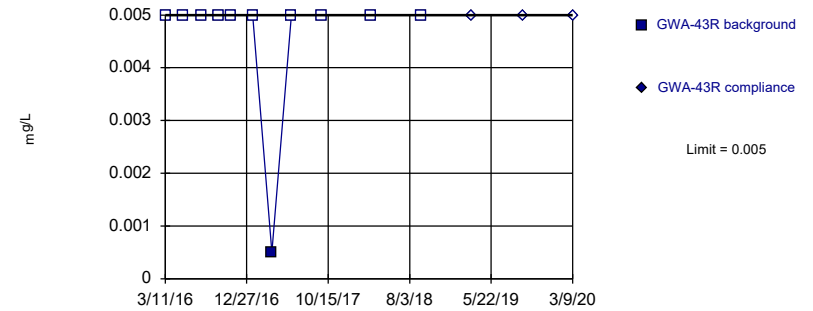
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.25f Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



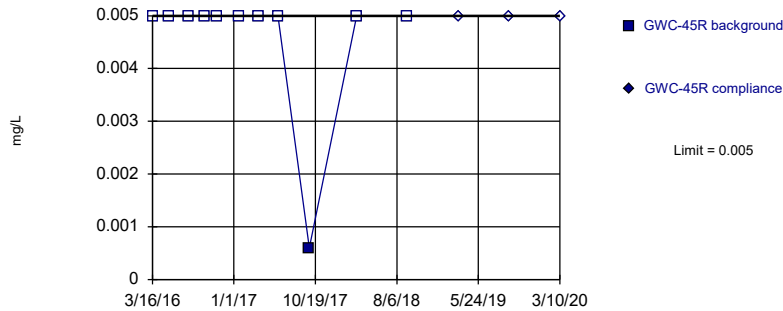
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.25f Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



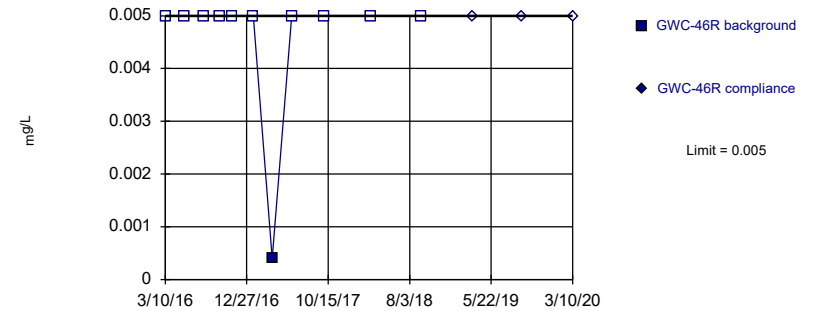
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.25f Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0012 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0008 (J)	
6/6/2017	<0.005 (*)	
9/25/2017	0.001 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019		<0.005
9/10/2019		<0.005
3/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0005 (J)	
6/6/2017	<0.005 (*)	
9/22/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019		<0.005
9/11/2019		<0.005
3/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/7/2017	<0.005 (*)	
9/27/2017	0.0006 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019		<0.005
9/11/2019		<0.005
3/10/2020		<0.005

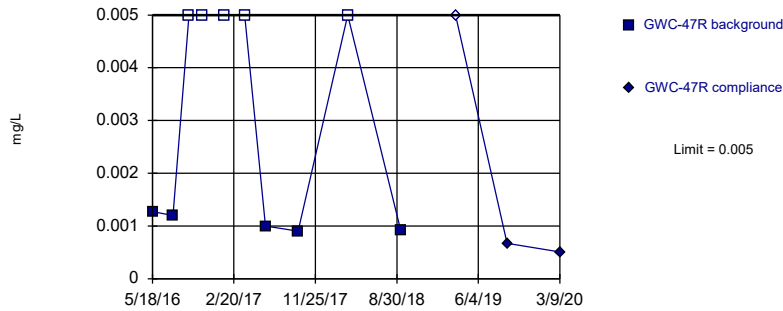
Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	0.0004 (J)	
6/7/2017	<0.005 (*)	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019		<0.005
9/11/2019		<0.005
3/10/2020		<0.005

Within Limit

Prediction Limit
 Intrawell Non-parametric

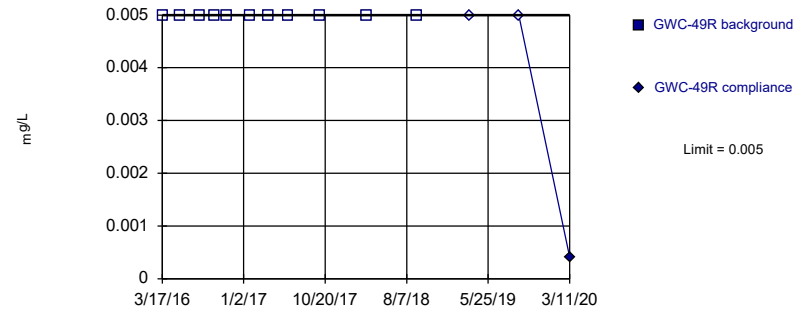


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

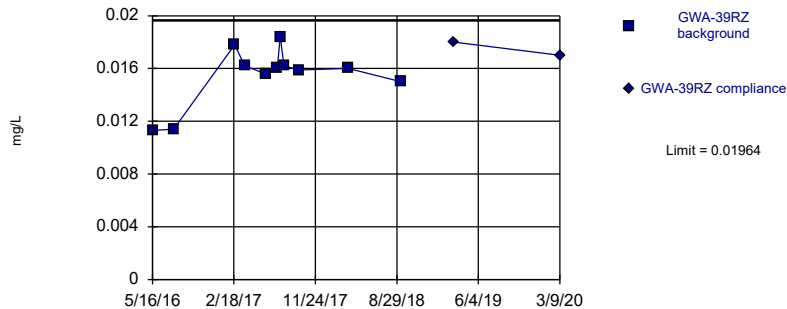


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

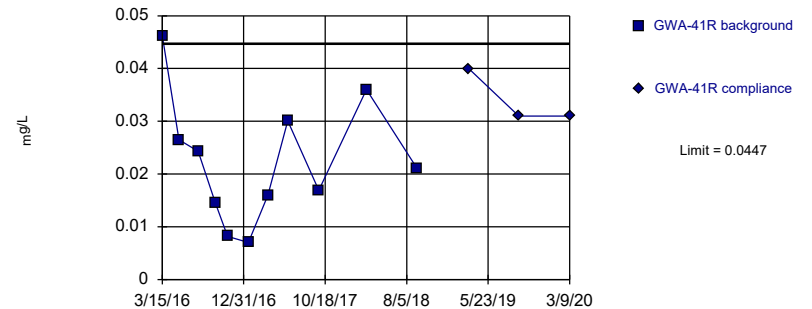


Background Data Summary: Mean=0.01544, Std. Dev.=0.002236, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8351, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=0.02243, Std. Dev.=0.01186, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9589, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.0551 (o)	
5/18/2016	0.00127 (J)	
7/27/2016	0.0012 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.001 (J)	
9/27/2017	0.0009 (J)	
3/16/2018	<0.005	
9/13/2018	0.00091 (J)	
3/19/2019		<0.005
9/11/2019		0.00067 (J)
3/9/2020		0.00051 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/21/2016	<0.005	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019		<0.005
9/11/2019		<0.005
3/11/2020		0.00041 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

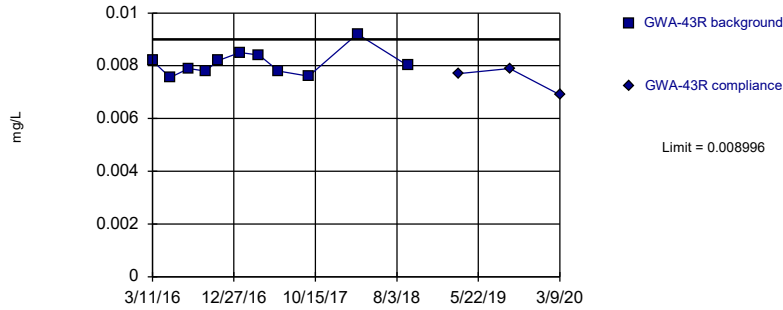
	GWA-39RZ	GWA-39RZ
5/16/2016	0.0113 (D)	
7/27/2016	0.0114 (D)	
2/21/2017	0.0178	
3/27/2017	0.0162 (D)	
6/8/2017	0.0156 (D)	
7/17/2017	0.016 (D)	
7/27/2017	0.0184	
8/9/2017	0.0162	
9/29/2017	0.0159 (D)	
3/16/2018	0.016	
9/14/2018	0.015	
3/14/2019		0.018
3/9/2020		0.017

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	0.0462	
5/13/2016	0.0265	
7/21/2016	0.0243	
9/21/2016	0.0145	
11/3/2016	0.0082 (J)	
1/17/2017	0.007 (J)	
3/27/2017	0.016	
6/6/2017	0.0301	
9/25/2017	0.0169	
3/14/2018	0.036	
9/12/2018	0.021	
3/14/2019		0.04
9/10/2019		0.031
3/9/2020		0.031

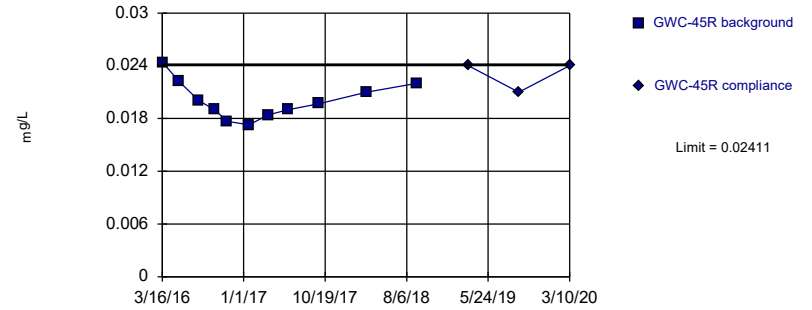
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.008105, Std. Dev.=0.0004743, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

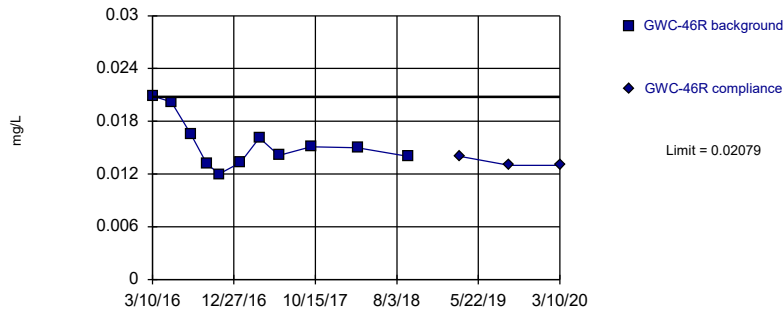
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02006, Std. Dev.=0.002154, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9497, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

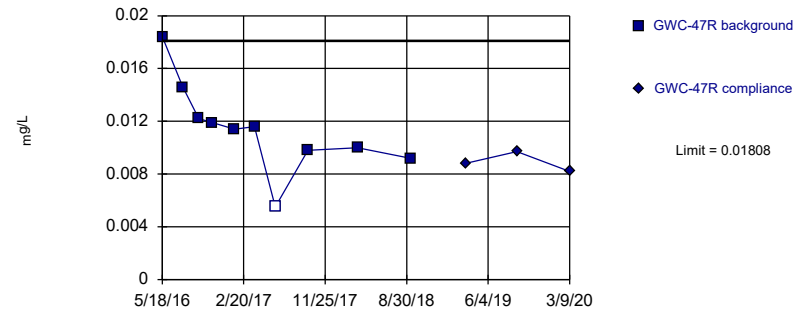
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01549, Std. Dev.=0.002822, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01146, Std. Dev.=0.003404, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9463, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	0.00819 (J)	
5/13/2016	0.00756 (J)	
7/19/2016	0.0079 (J)	
9/16/2016	0.0078 (J)	
11/2/2016	0.0082 (J)	
1/18/2017	0.0085 (J)	
3/28/2017	0.0084 (J)	
6/6/2017	0.0078 (J)	
9/22/2017	0.0076 (J)	
3/15/2018	0.0092 (J)	
9/12/2018	0.008 (J)	
3/13/2019		0.0077 (J)
9/11/2019		0.0079 (J)
3/9/2020		0.0069 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	0.0244	
5/16/2016	0.0222	
7/25/2016	0.02	
9/19/2016	0.019	
11/3/2016	0.0177	
1/20/2017	0.0173	
3/29/2017	0.0184	
6/7/2017	0.019	
9/27/2017	0.0197	
3/15/2018	0.021	
9/13/2018	0.022	
3/14/2019		0.024
9/11/2019		0.021
3/10/2020		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	0.0209	
5/17/2016	0.0202	
7/26/2016	0.0165	
9/20/2016	0.0132	
11/4/2016	0.012	
1/20/2017	0.0133	
3/28/2017	0.0161	
6/7/2017	0.0141	
9/29/2017	0.0151	
3/15/2018	0.015	
9/13/2018	0.014	
3/18/2019		0.014
9/11/2019		0.013
3/10/2020		0.013

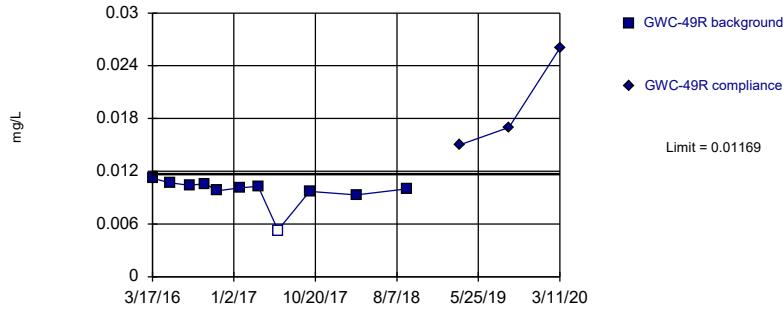
Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.0344 (o)	
5/18/2016	0.0184	
7/27/2016	0.0146	
9/20/2016	0.0122	
11/4/2016	0.0119	
1/20/2017	0.0114	
3/29/2017	0.0116	
6/8/2017	<0.011 (*)	
9/27/2017	0.0098 (J)	
3/16/2018	0.01	
9/13/2018	0.0092 (J)	
3/19/2019		0.0088 (J)
9/11/2019		0.0097 (J)
3/9/2020		0.0082 (J)

Exceeds Limit

Prediction Limit
Intrawell Parametric

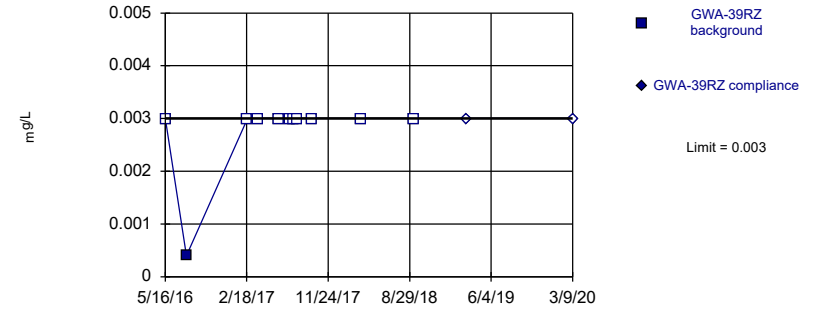


Background Data Summary (based on cube transformation): Mean=9.9e-7, Std. Dev.=3.2e-7, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8401, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

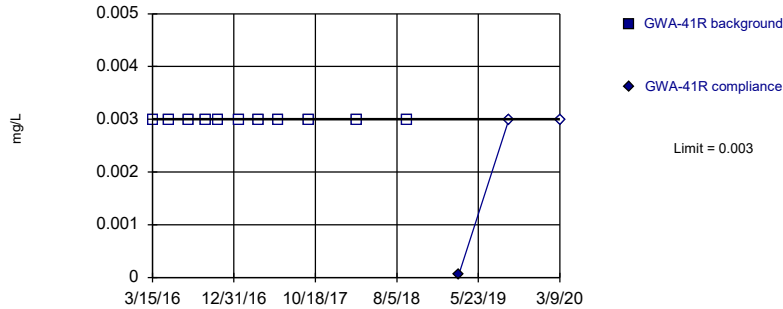


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

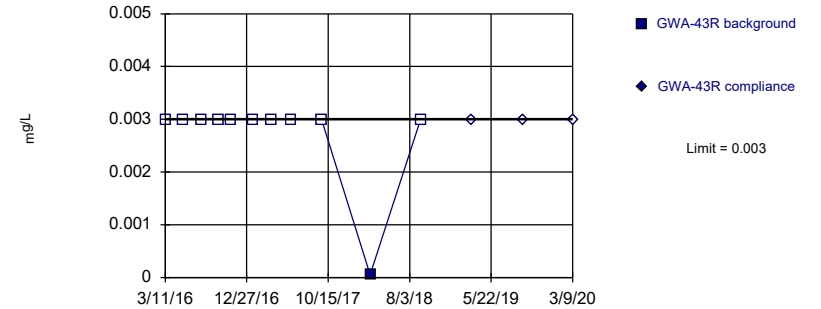


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	0.0112	
5/18/2016	0.0107	
7/27/2016	0.0104	
9/21/2016	0.0106	
11/4/2016	0.0098 (J)	
1/24/2017	0.0101	
3/29/2017	0.0103	
6/8/2017	<0.0106 (*)	
9/29/2017	0.0097 (J)	
3/15/2018	0.0093 (J)	
9/13/2018	0.01	
3/18/2019		0.015
9/11/2019		0.017
3/11/2020		0.026

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.003 (D)	
7/27/2016	0.0004 (JD)	
2/21/2017	<0.003	
3/27/2017	<0.003 (D)	
6/8/2017	<0.003 (D)	
7/17/2017	<0.003 (D)	
7/27/2017	<0.003	
8/9/2017	<0.003	
9/29/2017	<0.003 (D)	
3/16/2018	<0.003	
9/14/2018	<0.003	
3/14/2019		<0.003
3/9/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.003	
5/13/2016	<0.003	
7/21/2016	<0.003	
9/21/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	<0.003	
6/6/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/14/2019		5.2E-05 (J)
9/10/2019		<0.003
3/9/2020		<0.003

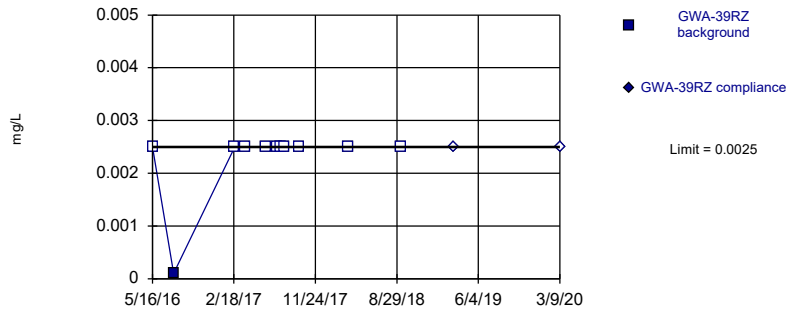
Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	<0.003	
3/28/2017	<0.003	
6/6/2017	<0.003	
9/22/2017	<0.003	
3/15/2018	5.1E-05 (J)	
9/12/2018	<0.003	
3/13/2019		<0.003
9/11/2019		<0.003
3/9/2020		<0.003

Within Limit

Prediction Limit
Intrawell Non-parametric

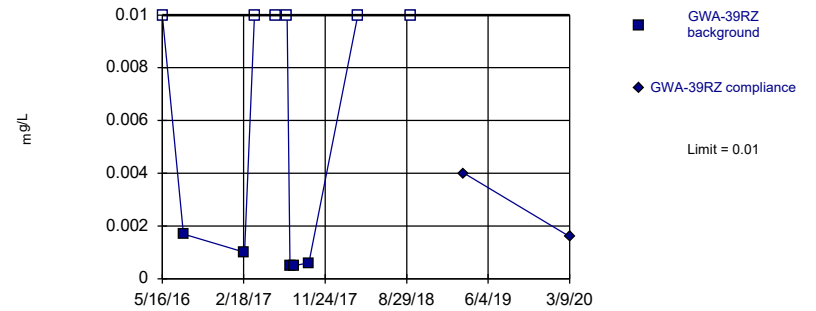


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

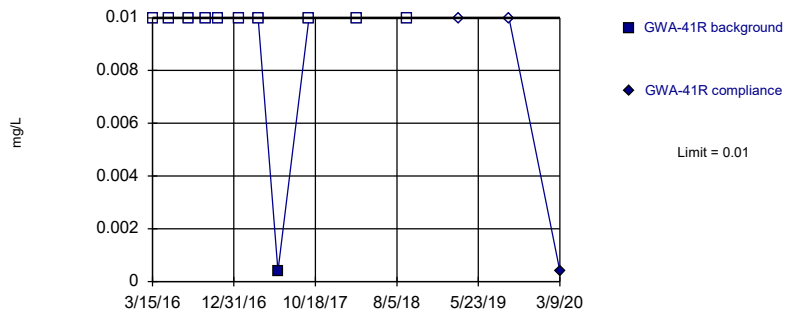


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

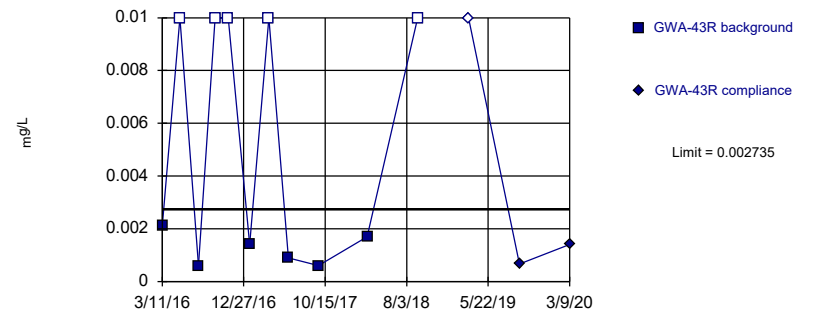


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.826, Std. Dev.=0.492, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8019, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Chromium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0025 (D)	
7/27/2016	0.0001 (JD)	
2/21/2017	<0.0025	
3/27/2017	<0.0025 (D)	
6/8/2017	<0.0025 (D)	
7/17/2017	<0.0025 (D)	
7/27/2017	<0.0025	
8/9/2017	<0.0025	
9/29/2017	<0.0025 (D)	
3/16/2018	<0.0025	
9/14/2018	<0.0025	
3/14/2019		<0.0025
3/9/2020		<0.0025

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.0017 (JD)	
2/21/2017	0.001 (J)	
3/27/2017	<0.01 (D)	
6/8/2017	<0.01 (D)	
7/17/2017	<0.01 (D)	
7/27/2017	0.0005 (J)	
8/9/2017	0.0005 (J)	
9/29/2017	0.0006 (JD)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		0.004 (J)
3/9/2020		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.01	
5/13/2016	<0.01	
7/21/2016	<0.01	
9/21/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/27/2017	<0.01	
6/6/2017	0.0004 (J)	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/10/2019		<0.01
3/9/2020		0.0004 (J)

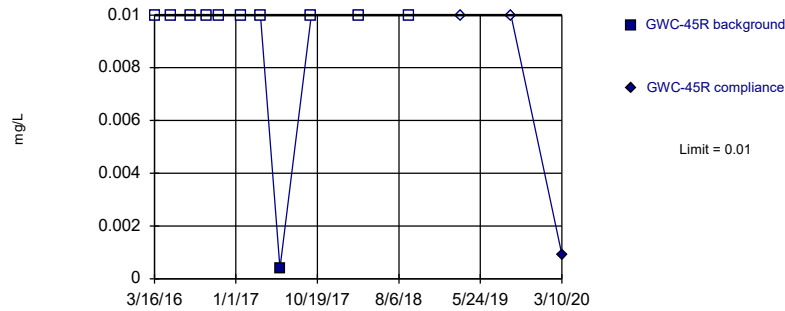
Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	0.00212 (J)	
5/13/2016	<0.01	
7/19/2016	0.0006 (J)	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	0.0014 (J)	
3/28/2017	<0.01 (*)	
6/6/2017	0.0009 (J)	
9/22/2017	0.0006 (J)	
3/15/2018	0.0017 (J)	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		0.00066 (J)
3/9/2020		0.0014 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

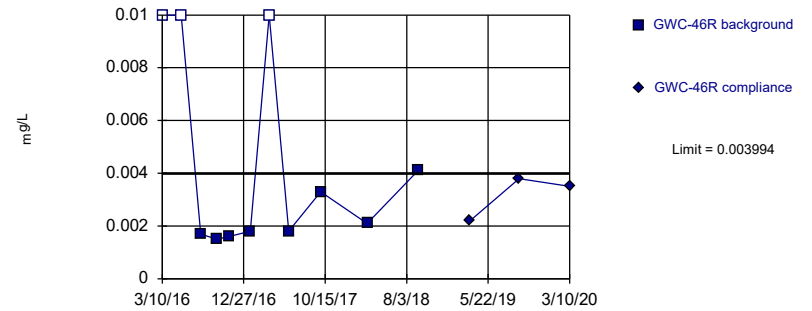


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

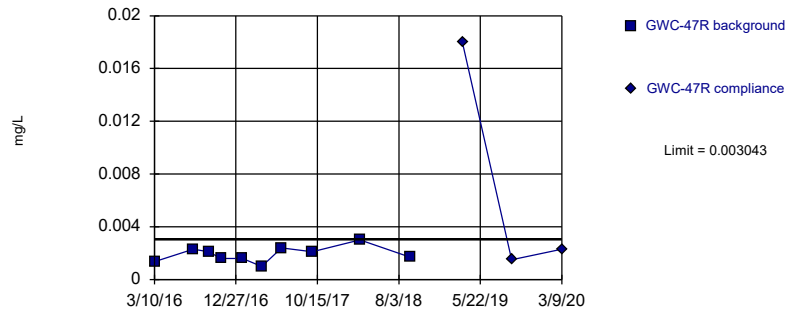


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.182, Std. Dev.=0.3505, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7957, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Chromium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

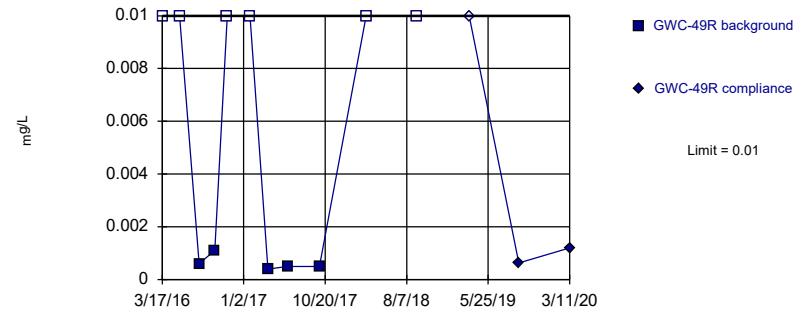


Background Data Summary: Mean=0.001916, Std. Dev.=0.0005792, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9766, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Chromium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/20/2017	<0.01	
3/29/2017	<0.01	
6/7/2017	0.0004 (J)	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019		<0.01
9/11/2019		<0.01
3/10/2020		0.00092 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	0.0017 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0018 (J)	
3/28/2017	<0.01 (*)	
6/7/2017	0.0018 (J)	
9/29/2017	0.0033 (J)	
3/15/2018	0.0021 (J)	
9/13/2018	0.0041 (J)	
3/18/2019		0.0022 (J)
9/11/2019		0.0038 (J)
3/10/2020		0.0035 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.00136 (J)	
5/18/2016	0.00606 (Jo)	
7/27/2016	0.0023 (J)	
9/20/2016	0.0021 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0016 (J)	
3/29/2017	0.001 (J)	
6/8/2017	0.0024 (J)	
9/27/2017	0.0021 (J)	
3/16/2018	0.003 (J)	
9/13/2018	0.0017 (J)	
3/19/2019		0.018
9/11/2019		0.0015 (J)
3/9/2020		0.0023 (J)

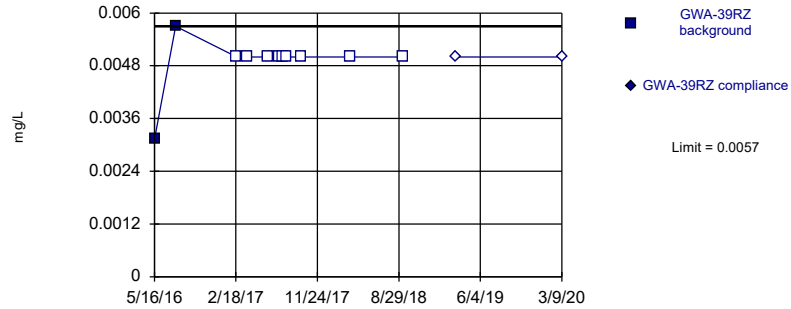
Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	0.0006 (J)	
9/21/2016	0.0011 (J)	
11/4/2016	<0.01	
1/24/2017	<0.01	
3/29/2017	0.0004 (J)	
6/8/2017	0.0005 (J)	
9/29/2017	0.0005 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		0.00063 (J)
3/11/2020		0.0012 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

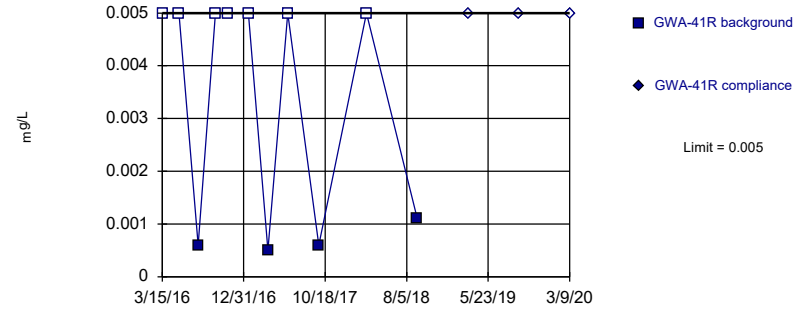


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

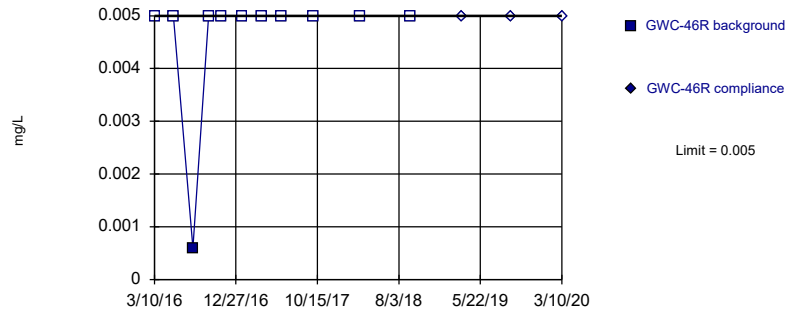


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

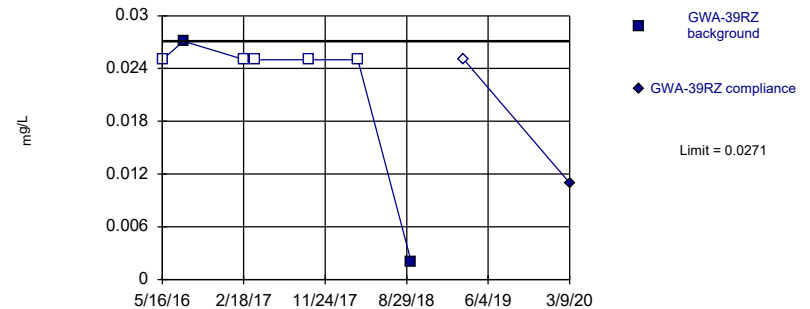


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	0.00313 (JD)	
7/27/2016	0.0057 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	<0.005	
8/9/2017	<0.005	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
3/9/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0006 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0005 (J)	
6/6/2017	<0.005	
9/25/2017	0.0006 (J)	
3/14/2018	<0.005	
9/12/2018	0.0011 (J)	
3/14/2019		<0.005
9/10/2019		<0.005
3/9/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	0.0006 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
6/7/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019		<0.005
9/11/2019		<0.005
3/10/2020		<0.005

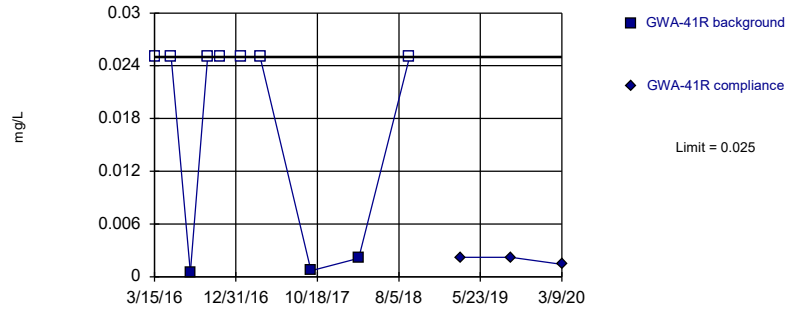
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.025 (D)	
7/27/2016	0.0271 (D)	
2/21/2017	<0.025	
3/27/2017	<0.025 (D)	
9/29/2017	<0.025 (D)	
3/16/2018	<0.025	
9/14/2018	0.002 (J)	
3/14/2019		<0.025
3/9/2020		0.011 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

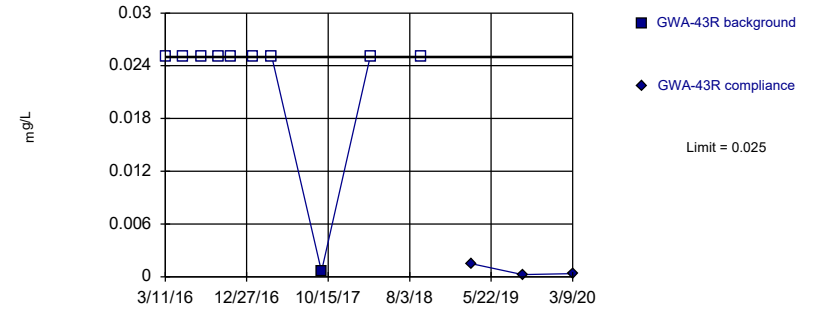


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

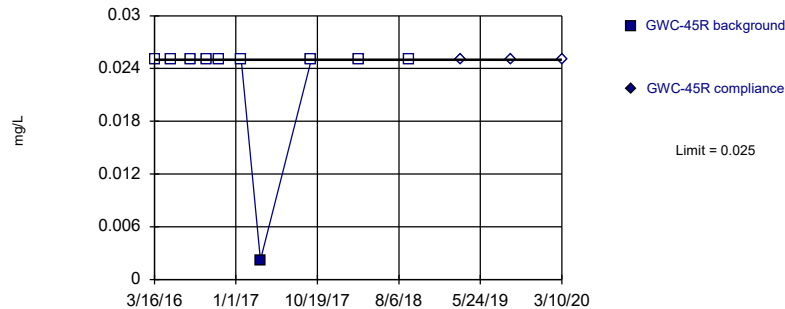


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

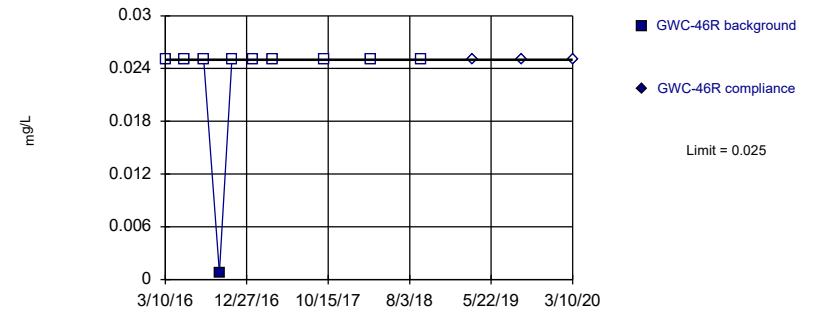


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.025	
5/13/2016	<0.025	
7/21/2016	0.0005 (J)	
9/21/2016	<0.025	
11/3/2016	<0.025	
1/17/2017	<0.025	
3/27/2017	<0.025	
9/25/2017	0.0007 (J)	
3/14/2018	0.0021 (J)	
9/12/2018	<0.025	
3/14/2019		0.0022 (J)
9/10/2019		0.0022 (J)
3/9/2020		0.0014 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.025	
5/13/2016	<0.025	
7/19/2016	<0.025	
9/16/2016	<0.025	
11/2/2016	<0.025	
1/18/2017	<0.025	
3/28/2017	<0.025 (*)	
9/22/2017	0.0006 (J)	
3/15/2018	<0.025	
9/12/2018	<0.025	
3/13/2019		0.0015 (J)
9/11/2019		0.00026 (J)
3/9/2020		0.00035 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	<0.025	
5/16/2016	<0.025	
7/25/2016	<0.025	
9/19/2016	<0.025	
11/3/2016	<0.025	
1/20/2017	<0.025	
3/29/2017	0.0022 (J)	
9/27/2017	<0.025	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/14/2019		<0.025
9/11/2019		<0.025
3/10/2020		<0.025

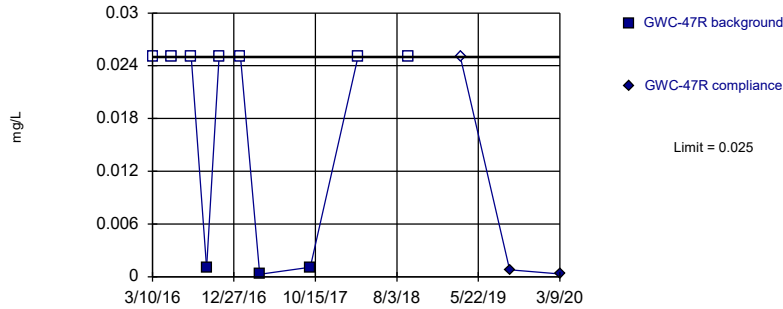
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.025	
5/17/2016	<0.025	
7/26/2016	<0.025	
9/20/2016	0.0008 (J)	
11/4/2016	<0.025	
1/20/2017	<0.025	
3/28/2017	<0.025	
9/29/2017	<0.025	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/18/2019		<0.025
9/11/2019		<0.025
3/10/2020		<0.025

Within Limit

Prediction Limit
Intrawell Non-parametric

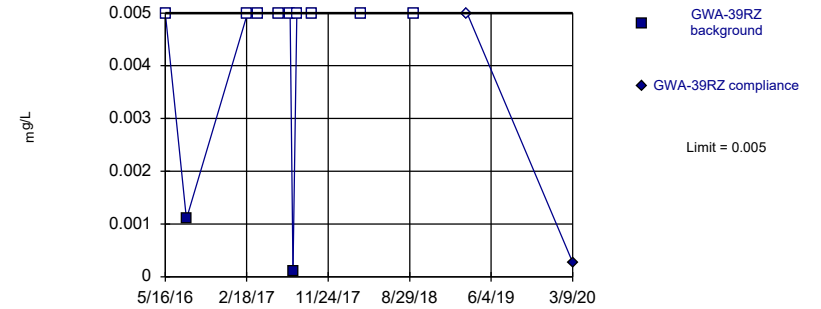


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

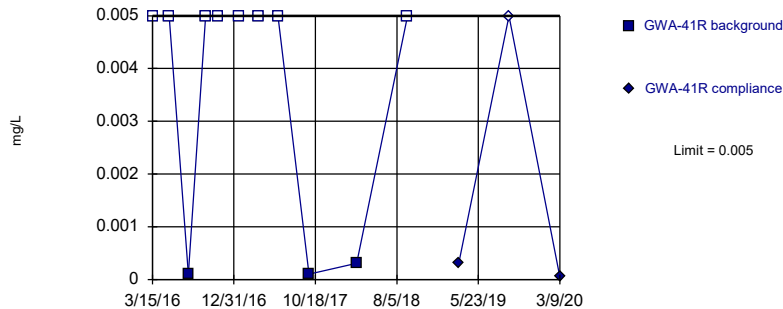


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

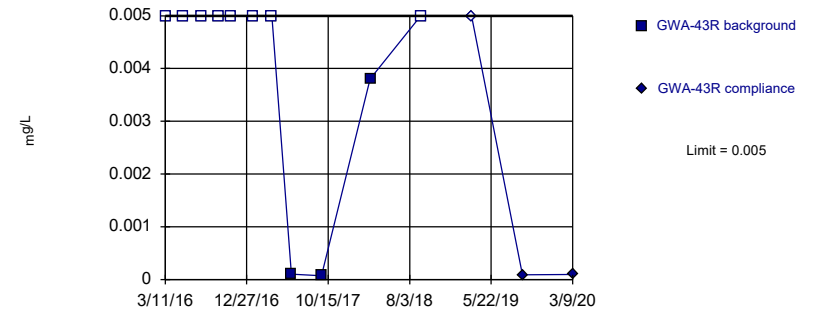


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.025	
5/18/2016	<0.025	
7/27/2016	<0.025	
9/20/2016	0.001 (J)	
11/4/2016	<0.025	
1/20/2017	<0.025	
3/29/2017	0.0003 (J)	
9/27/2017	0.0011 (J)	
3/16/2018	<0.025	
9/13/2018	<0.025	
3/19/2019		<0.025
9/11/2019		0.0008 (J)
3/9/2020		0.00032 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	0.0001 (J)	
8/9/2017	<0.005	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
3/9/2020		0.00027 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0001 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/6/2017	<0.005	
9/25/2017	0.0001 (J)	
3/14/2018	0.00031 (J)	
9/12/2018	<0.005	
3/14/2019		0.00031 (J)
9/10/2019		<0.005
3/9/2020		4.9E-05 (J)

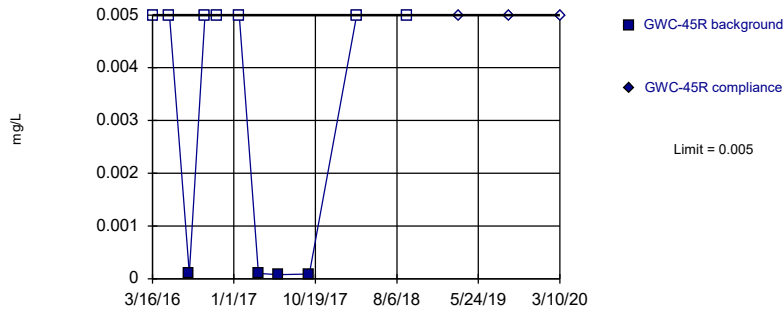
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	0.0001 (J)	
9/22/2017	7E-05 (J)	
3/15/2018	0.0038 (J)	
9/12/2018	<0.005	
3/13/2019		<0.005
9/11/2019		9.2E-05 (J)
3/9/2020		9.6E-05 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

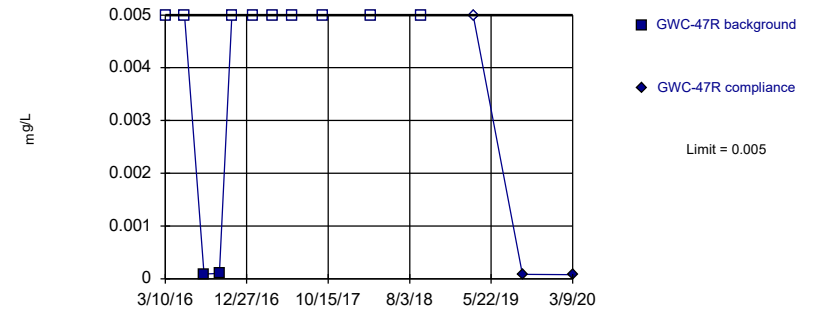


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

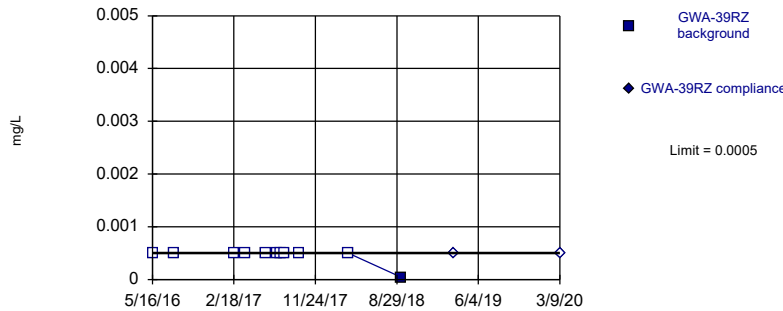


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

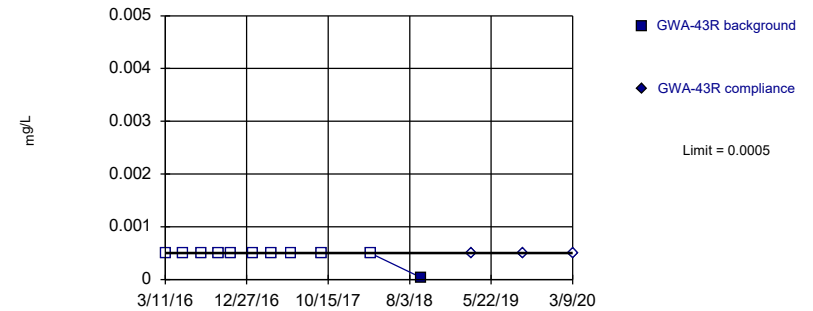


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0001 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	0.0001 (J)	
6/7/2017	8E-05 (J)	
9/27/2017	9E-05 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019		<0.005
9/11/2019		<0.005
3/10/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	9E-05 (J)	
9/20/2016	0.0001 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	<0.005	
9/27/2017	<0.005	
3/16/2018	<0.005	
9/13/2018	<0.005	
3/19/2019		<0.005
9/11/2019		8.5E-05 (J)
3/9/2020		8E-05 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0005 (D)	
7/27/2016	<0.0005 (D)	
2/21/2017	<0.0005	
3/27/2017	<0.0005 (D)	
6/8/2017	<0.0005 (D)	
7/17/2017	<0.0005 (D)	
7/27/2017	<0.0005	
8/9/2017	<0.0005	
9/29/2017	<0.0005 (D)	
3/16/2018	<0.0005	
9/14/2018	4.1E-05 (J)	
3/14/2019		<0.0005
3/9/2020		<0.0005

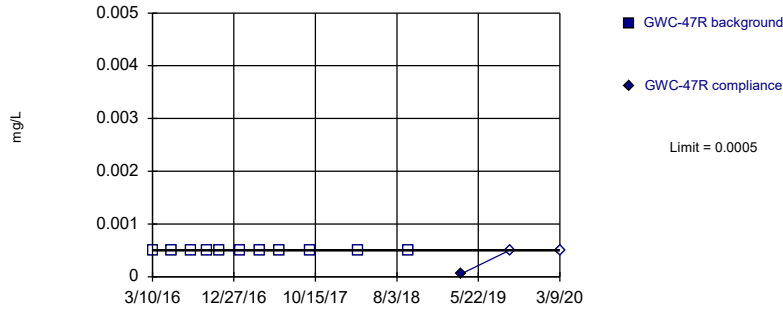
Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.0005	
5/13/2016	<0.0005	
7/19/2016	<0.0005	
9/16/2016	<0.0005	
11/2/2016	<0.0005	
1/18/2017	<0.0005	
3/28/2017	<0.0005	
6/6/2017	<0.0005	
9/22/2017	<0.0005	
3/15/2018	<0.0005	
9/12/2018	3.9E-05 (J)	
3/13/2019		<0.0005
9/11/2019		<0.0005
3/9/2020		<0.0005

Within Limit

Prediction Limit
Intrawell Non-parametric

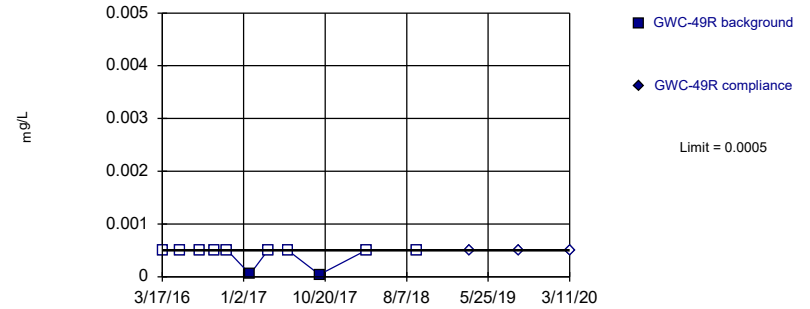


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 4/17/2020 6:58 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

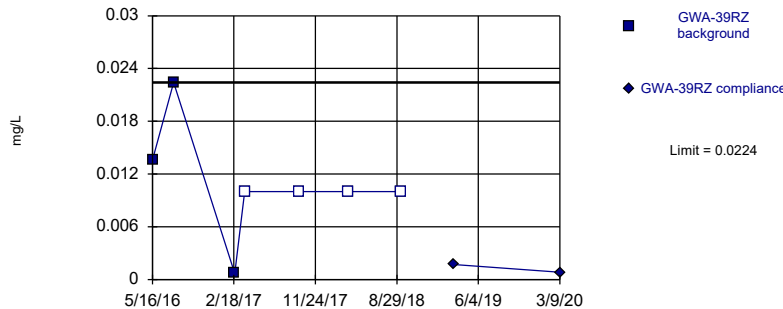


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

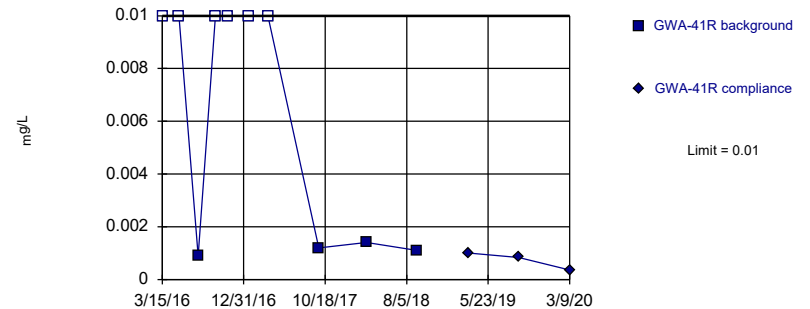


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	<0.0005	
11/4/2016	<0.0005	
1/20/2017	<0.0005	
3/29/2017	<0.0005 (*)	
6/8/2017	<0.0005	
9/27/2017	<0.0005	
3/16/2018	<0.0005	
9/13/2018	<0.0005	
3/19/2019		5E-05 (J)
9/11/2019		<0.0005
3/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/21/2016	<0.0005	
11/4/2016	<0.0005	
1/24/2017	5E-05 (J)	
3/29/2017	<0.0005 (*)	
6/8/2017	<0.0005	
9/29/2017	4E-05 (J)	
3/15/2018	<0.0005	
9/13/2018	<0.0005	
3/18/2019		<0.0005
9/11/2019		<0.0005
3/11/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0136 (D)	
7/27/2016	0.0224 (D)	
2/21/2017	0.0007 (J)	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		0.0017 (J)
3/9/2020		0.00083 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.01	
5/13/2016	<0.01	
7/21/2016	0.0009 (J)	
9/21/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/27/2017	<0.01 (*)	
9/25/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/12/2018	0.0011 (J)	
3/14/2019		0.001 (J)
9/10/2019		0.00084 (J)
3/9/2020		0.00036 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.01	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	0.0006 (J)	
3/28/2017	<0.01 (*)	
9/22/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		<0.01
3/9/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	<0.01	
9/20/2016	0.0013 (J)	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/28/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		<0.01
3/10/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	0.0007 (J)	
9/20/2016	0.0007 (J)	
11/4/2016	0.0006 (J)	
1/20/2017	<0.01	
3/29/2017	0.0003 (J)	
9/27/2017	<0.01	
3/16/2018	<0.01	
9/13/2018	<0.01	
3/19/2019		0.0042 (J)
9/11/2019		0.0014 (J)
3/9/2020		<0.01

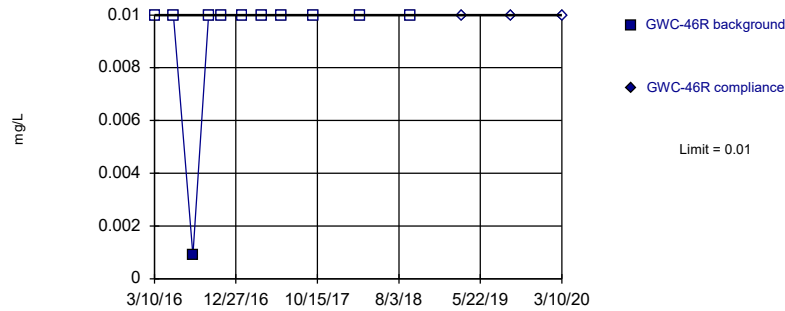
Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/21/2016	<0.01	
11/4/2016	<0.01	
1/24/2017	<0.01	
3/29/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		<0.01
3/11/2020		0.0004 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

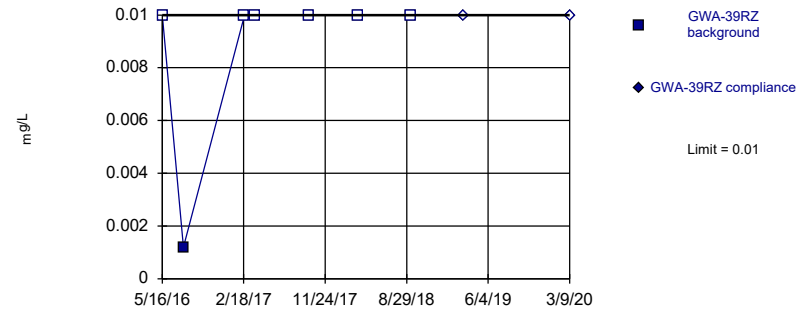


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

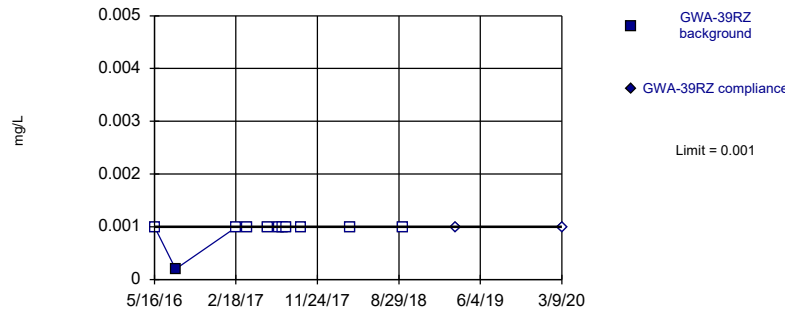


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Silver Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

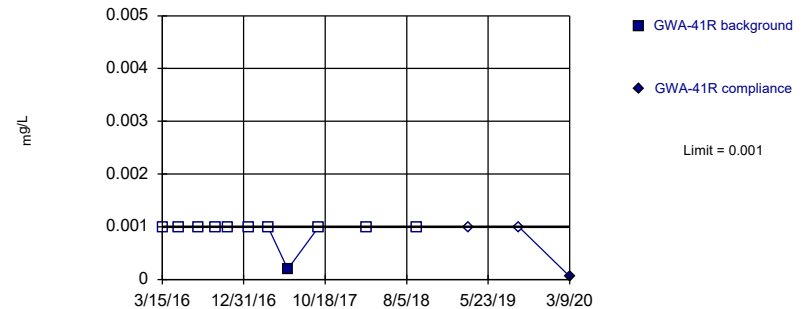


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	0.0009 (J)	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/28/2017	<0.01	
6/7/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		<0.01
3/10/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.0012 (JD)	
2/21/2017	<0.01	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		<0.01
3/9/2020		<0.01

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.001 (D)	
7/27/2016	0.0002 (JD)	
2/21/2017	<0.001	
3/27/2017	<0.001 (D)	
6/8/2017	<0.001 (D)	
7/17/2017	<0.001 (D)	
7/27/2017	<0.001	
8/9/2017	<0.001	
9/29/2017	<0.001 (D)	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/14/2019		<0.001
3/9/2020		<0.001

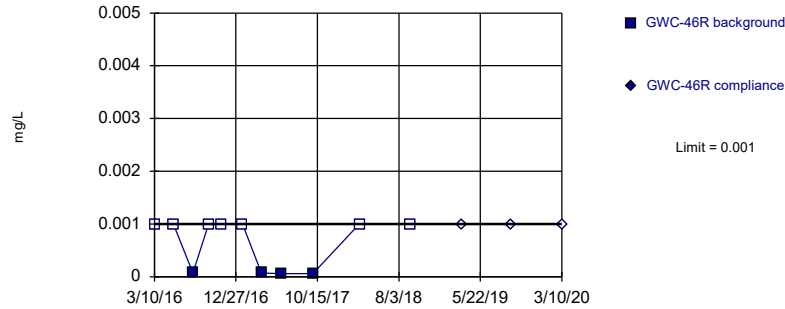
Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.001	
5/13/2016	<0.001	
7/21/2016	<0.001	
9/21/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/6/2017	0.0002 (J)	
9/25/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/14/2019		<0.001
9/10/2019		<0.001
3/9/2020		6.1E-05 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

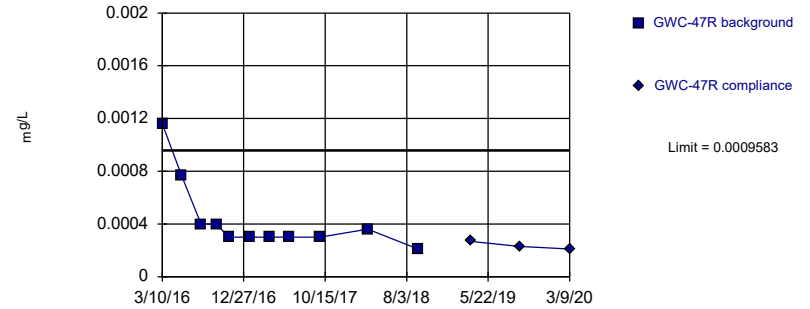


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

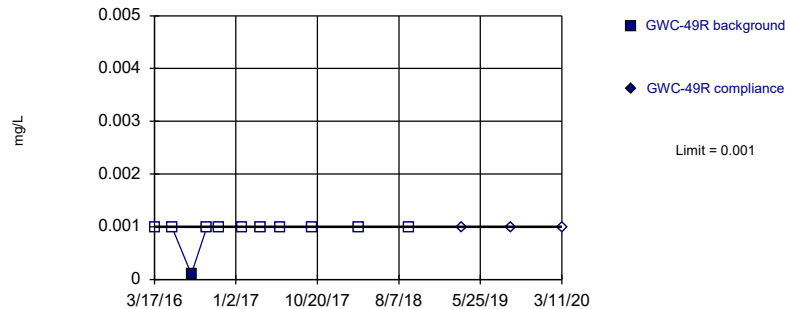


Background Data Summary (based on natural log transformation): Mean=-7.867, Std. Dev.=0.4878, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8094, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Thallium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

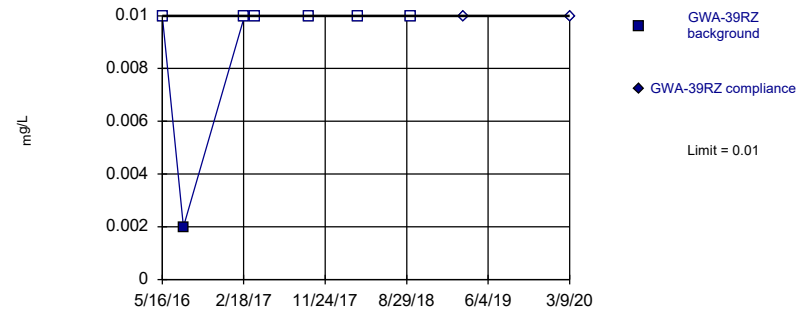


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Vanadium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.001	
5/17/2016	<0.001	
7/26/2016	7E-05 (J)	
9/20/2016	<0.001	
11/4/2016	<0.001	
1/20/2017	<0.001	
3/28/2017	7E-05 (J)	
6/7/2017	6E-05 (J)	
9/29/2017	6E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/18/2019		<0.001
9/11/2019		<0.001
3/10/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.00116	
5/18/2016	0.000768 (J)	
7/27/2016	0.0004 (J)	
9/20/2016	0.0004 (J)	
11/4/2016	0.0003 (J)	
1/20/2017	0.0003 (J)	
3/29/2017	0.0003 (J)	
6/8/2017	0.0003 (J)	
9/27/2017	0.0003 (J)	
3/16/2018	0.00036 (J)	
9/13/2018	0.00021 (J)	
3/19/2019		0.00027 (J)
9/11/2019		0.00023 (J)
3/9/2020		0.00021 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	0.0001 (J)	
9/21/2016	<0.001	
11/4/2016	<0.001	
1/24/2017	<0.001	
3/29/2017	<0.001	
6/8/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/18/2019		<0.001
9/11/2019		<0.001
3/11/2020		<0.001

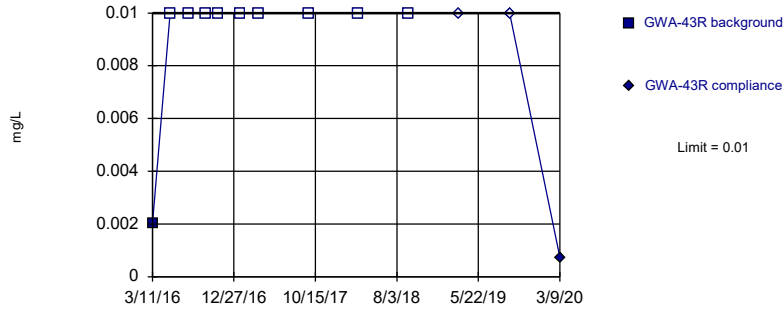
Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.002 (JD)	
2/21/2017	<0.01	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		<0.01
3/9/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

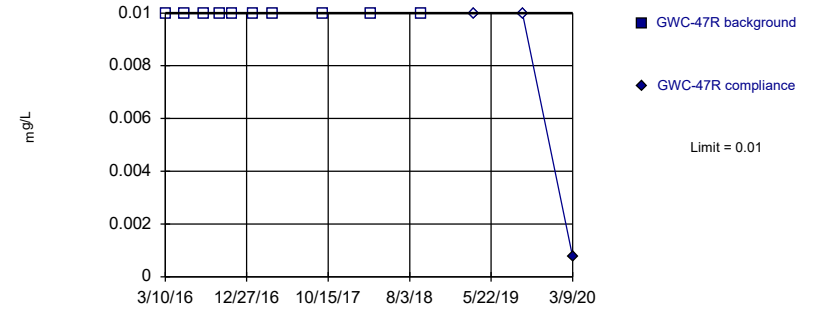


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

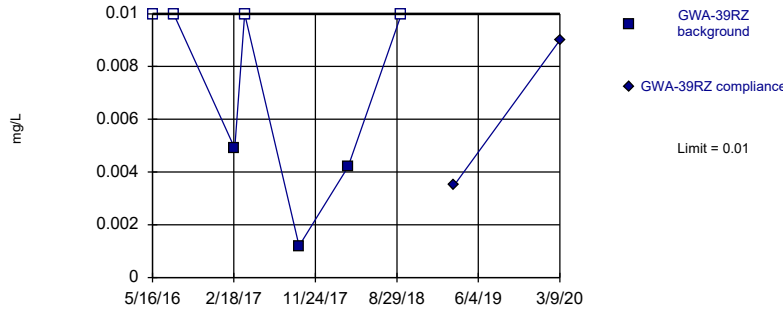


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

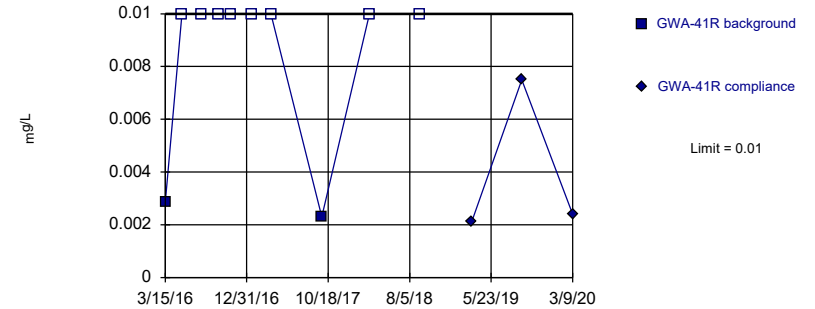


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Zinc Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	0.00202 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		<0.01
3/9/2020		0.00074 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/29/2017	<0.01	
9/27/2017	<0.01	
3/16/2018	<0.01	
9/13/2018	<0.01	
3/19/2019		<0.01
9/11/2019		<0.01
3/9/2020		0.00075 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	<0.01 (*)	
2/21/2017	0.0049 (J)	
3/27/2017	<0.01 (*)	
9/29/2017	0.0012 (JD)	
3/16/2018	0.0042 (J)	
9/14/2018	<0.01	
3/14/2019		0.0035 (J)
3/9/2020		0.009 (J)

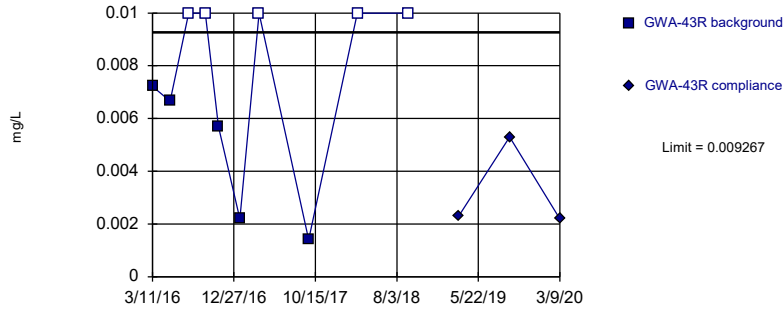
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	0.00286 (J)	
5/13/2016	<0.01	
7/21/2016	<0.01 (*)	
9/21/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/27/2017	<0.01 (*)	
9/25/2017	0.0023 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		0.0021 (J)
9/10/2019		0.0075 (J)
3/9/2020		0.0024 (J)

Within Limit

Prediction Limit
Intrawell Parametric

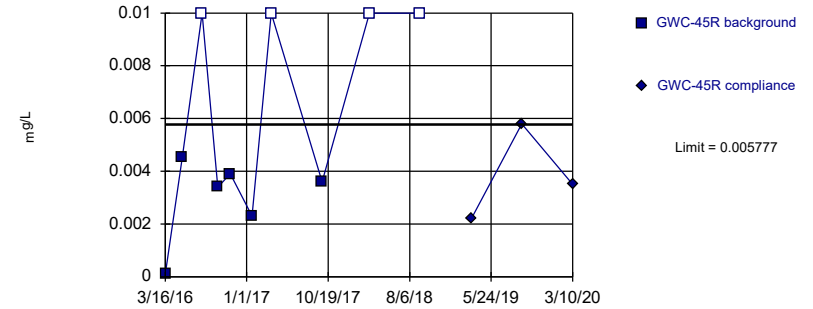


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004636, Std. Dev.=0.00238, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7978, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Zinc Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

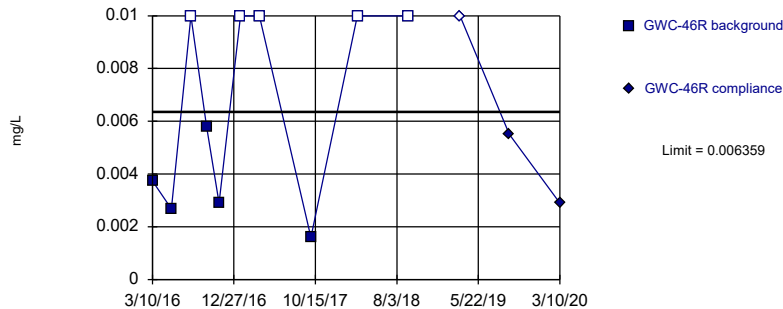


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002972, Std. Dev.=0.001441, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8303, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Zinc Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

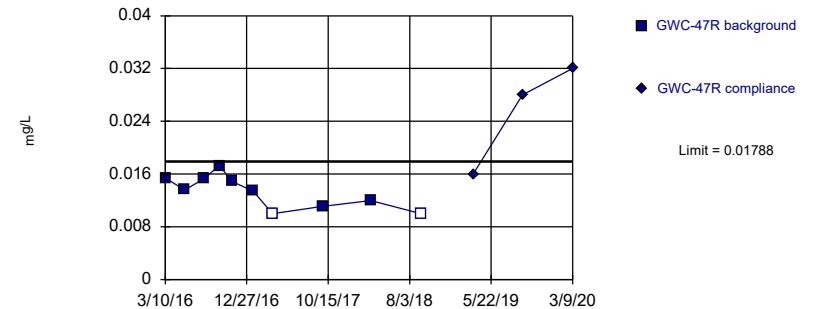


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05657, Std. Dev.=0.01191, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8007, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Zinc Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0133, Std. Dev.=0.002353, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Zinc Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	0.00722 (J)	
5/13/2016	0.00666 (J)	
7/19/2016	<0.01 (*)	
9/16/2016	<0.01	
11/2/2016	0.0057 (J)	
1/18/2017	0.0022 (J)	
3/28/2017	<0.01	
9/22/2017	0.0014 (J)	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		0.0023 (J)
9/11/2019		0.0053 (J)
3/9/2020		0.0022 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	0.000113 (J)	
5/16/2016	0.00452 (J)	
7/25/2016	<0.01 (*)	
9/19/2016	0.0034 (J)	
11/3/2016	0.0039 (J)	
1/20/2017	0.0023 (J)	
3/29/2017	<0.01 (*)	
9/27/2017	0.0036 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019		0.0022 (J)
9/11/2019		0.0058 (J)
3/10/2020		0.0035 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	0.00373 (J)	
5/17/2016	0.00268 (J)	
7/26/2016	<0.01 (*)	
9/20/2016	0.0058 (J)	
11/4/2016	0.0029 (J)	
1/20/2017	<0.01	
3/28/2017	<0.01 (*)	
9/29/2017	0.0016 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		0.0055 (J)
3/10/2020		0.0029 (J)

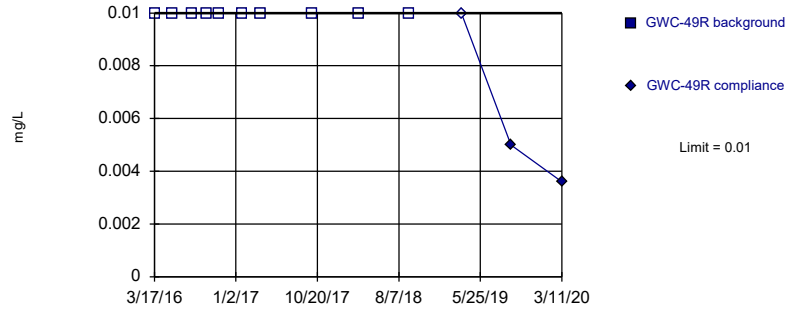
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.0154	
5/18/2016	0.0136	
7/27/2016	0.0153	
9/20/2016	0.0173	
11/4/2016	0.0149	
1/20/2017	0.0134	
3/29/2017	<0.01 (*)	
9/27/2017	0.0111	
3/16/2018	0.012	
9/13/2018	<0.01	
3/19/2019		0.016
9/11/2019		0.028
3/9/2020		0.032

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 4/17/2020 6:59 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:03 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01 (*)	
9/21/2016	<0.01	
11/4/2016	<0.01	
1/24/2017	<0.01	
3/29/2017	<0.01 (*)	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		0.005 (J)
3/11/2020		0.0036 (J)

FIGURE E.

Intrawell Prediction Limits (State) - Overburden Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWA-39Z	0.01	n/a	3/9/2020	0.069	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41	0.01	n/a	3/6/2020	0.015	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-39Z	0.01194	n/a	3/9/2020	0.04	10	0.004838	0.00355	20	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-47	0.03542	n/a	3/9/2020	0.044	11	0.02497	0.005411	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3

Intrawell Prediction Limits (State) - Overburden All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-39Z	0.003043	n/a	3/9/2020	0.0011	11	0.001342	0.0008802	27.27	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Antimony (mg/L)	GWA-40	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-42	0.003	n/a	3/6/2020	0.003ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-43	0.003	n/a	3/9/2020	0.00062	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-45	0.003	n/a	3/10/2020	0.00087	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Antimony (mg/L)	GWC-47	0.003	n/a	3/9/2020	0.00032	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-48	0.003	n/a	3/9/2020	0.003ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-49Z	0.003	n/a	3/9/2020	0.0018	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-39Z	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-40	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-44	0.005	n/a	3/10/2020	0.0013	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-47	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-39Z	0.0319	n/a	3/9/2020	0.0072	11	0.01385	0.009342	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-40	0.01224	n/a	3/9/2020	0.0088	10	0.009012	0.001613	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-41	0.03429	n/a	3/6/2020	0.022	11	0.02693	0.003812	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-42	0.00668	n/a	3/6/2020	0.0066	11	0.006255	0.0002197	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-43	0.04119	n/a	3/9/2020	0.012	11	0.02405	0.00887	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-44	0.0758	n/a	3/10/2020	0.059	10	0.0348	0.0205	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-45	0.006266	n/a	3/10/2020	0.0061	10	0.00579	0.0002378	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-47	0.01736	n/a	3/9/2020	0.0089	11	0.01361	0.001939	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-48	0.03637	n/a	3/9/2020	0.029	11	0.0007215	0.0003112	9.091	None	x^2	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-49Z	0.01323	n/a	3/9/2020	0.0045	11	0.0068	0.00333	9.091	None	No	0.0007022	Param Intra 1 of 3
Beryllium (mg/L)	GWA-42	0.0002	n/a	3/6/2020	0.00017	9	n/a	n/a	0	n/a	n/a	0.004675	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-44	0.003	n/a	3/10/2020	0.000074	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-48	0.003	n/a	3/9/2020	0.00028	11	n/a	n/a	27.27	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-39Z	0.0025	n/a	3/9/2020	0.0025ND	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-42	0.001	n/a	3/6/2020	0.00014	11	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-43	0.0025	n/a	3/9/2020	0.0025ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-44	0.0025	n/a	3/10/2020	0.0025ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-47	0.0025	n/a	3/9/2020	0.00015	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-48	0.0007304	n/a	3/9/2020	0.00016	10	-8.534	0.6559	10	None	ln(x)	0.0007022	Param Intra 1 of 3
Cadmium (mg/L)	GWC-49Z	0.0025	n/a	3/9/2020	0.0025ND	11	n/a	n/a	36.36	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWA-39Z	0.01	n/a	3/9/2020	0.069	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-40	0.01	n/a	3/9/2020	0.0009	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41	0.01	n/a	3/6/2020	0.015	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-42	0.01	n/a	3/6/2020	0.00045	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.0033	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-44	0.01	n/a	3/10/2020	0.00074	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-45	0.01	n/a	3/10/2020	0.0007	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-47	0.007299	n/a	3/9/2020	0.0012	10	-6.134	0.6071	10	None	ln(x)	0.0007022	Param Intra 1 of 3
Chromium (mg/L)	GWC-48	0.00362	n/a	3/9/2020	0.0023	11	0.03719	0.01189	45.45	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Chromium (mg/L)	GWC-49Z	0.017	n/a	3/9/2020	0.00096	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-39Z	0.008788	n/a	3/9/2020	0.00075	11	0.04771	0.02382	9.091	None	sqrt(x)	0.0007022	Param Intra 1 of 3
Cobalt (mg/L)	GWA-42	0.0025	n/a	3/6/2020	0.00039	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-43	0.0025	n/a	3/9/2020	0.00039	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-44	0.01	n/a	3/10/2020	0.0021	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-45	0.01	n/a	3/10/2020	0.0012	11	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-48	0.01	n/a	3/9/2020	0.0016	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-49Z	0.006036	n/a	3/9/2020	0.0028	11	0.003487	0.001319	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Copper (mg/L)	GWA-39Z	0.025	n/a	3/9/2020	0.0007	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Intrawell Prediction Limits (State) - Overburden All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWA-40	0.025	n/a	3/9/2020	0.025ND	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-41	0.025	n/a	3/6/2020	0.00093	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-42	0.025	n/a	3/6/2020	0.00019	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-43	0.025	n/a	3/9/2020	0.00035	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-44	0.025	n/a	3/10/2020	0.00067	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-45	0.025	n/a	3/10/2020	0.00031	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Copper (mg/L)	GWC-47	0.025	n/a	3/9/2020	0.025ND	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-48	0.025	n/a	3/9/2020	0.00035	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-49Z	0.025	n/a	3/9/2020	0.00035	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-39Z	0.005	n/a	3/9/2020	0.000055	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-40	0.005	n/a	3/9/2020	0.000095	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-41	0.005	n/a	3/6/2020	0.000091	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-42	0.005	n/a	3/6/2020	0.00011	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-43	0.005	n/a	3/9/2020	0.000091	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-44	0.0008411	n/a	3/10/2020	0.00066	11	-8.001	0.4762	27.27	Kaplan-Meier	ln(x)	0.0007022	Param Intra 1 of 3
Lead (mg/L)	GWC-45	0.005	n/a	3/10/2020	0.00014	11	n/a	n/a	36.36	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-47	0.005	n/a	3/9/2020	0.000058	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-48	0.005	n/a	3/9/2020	0.005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-49Z	0.005	n/a	3/9/2020	0.00017	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-40	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-42	0.0005	n/a	3/6/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-48	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-49Z	0.0005	n/a	3/9/2020	0.0005ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-39Z	0.01194	n/a	3/9/2020	0.04	10	0.004838	0.00355	20	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Nickel (mg/L)	GWA-41	0.01	n/a	3/6/2020	0.0089	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-42	0.01	n/a	3/6/2020	0.0015	10	n/a	n/a	20	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.00082	10	n/a	n/a	40	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-44	0.01	n/a	3/10/2020	0.00086	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-45	0.01	n/a	3/10/2020	0.0012	10	n/a	n/a	10	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-47	0.01	n/a	3/9/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-48	0.01	n/a	3/9/2020	0.0039	10	n/a	n/a	10	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-49Z	0.009582	n/a	3/9/2020	0.003	10	0.004688	0.002447	10	None	No	0.0007022	Param Intra 1 of 3
Selenium (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.01ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-44	0.006719	n/a	3/10/2020	0.0063	11	0.05783	0.01249	45.45	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Selenium (mg/L)	GWC-48	0.01	n/a	3/9/2020	0.01ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-39Z	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-40	0.001	n/a	3/9/2020	0.000078	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-42	0.001	n/a	3/6/2020	0.000086	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-43	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-44	0.001	n/a	3/10/2020	0.001ND	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-47	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-48	0.001	n/a	3/9/2020	0.00009	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-49Z	0.001	n/a	3/9/2020	0.001ND	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-45	0.01	n/a	3/10/2020	0.01ND	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-39Z	0.01	n/a	3/9/2020	0.0035	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-40	0.01	n/a	3/9/2020	0.002	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-41	0.01	n/a	3/6/2020	0.0027	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-42	0.01457	n/a	3/6/2020	0.012	10	0.09783	0.01143	40	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWA-43	0.01	n/a	3/9/2020	0.002	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3

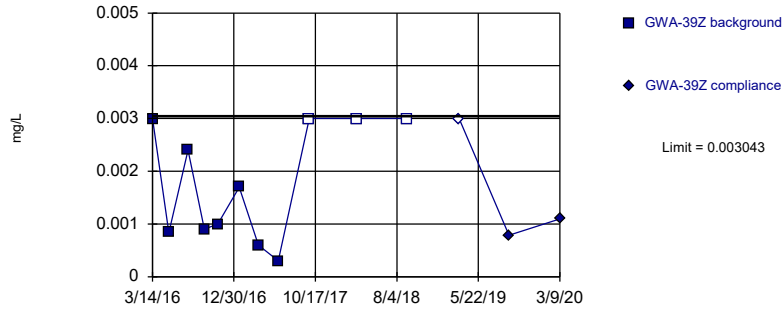
Intrawell Prediction Limits (State) - Overburden All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 7:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-44	0.006244	n/a	3/10/2020	0.0049	10	0.06517	0.006924	40	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-45	0.007234	n/a	3/10/2020	0.0031	10	0.004638	0.001298	50	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-47	0.03542	n/a	3/9/2020	0.044	11	0.02497	0.005411	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-48	0.008972	n/a	3/9/2020	0.0079	10	0.006348	0.001312	50	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-49Z	0.01	n/a	3/9/2020	0.0047	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit
Intrawell Parametric

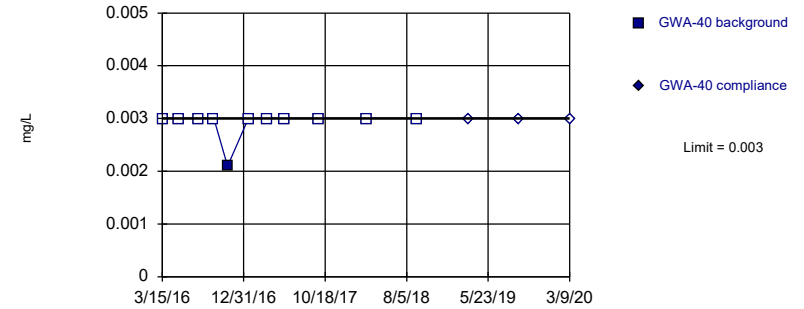


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001342, Std. Dev.=0.0008802, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8365, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Antimony Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

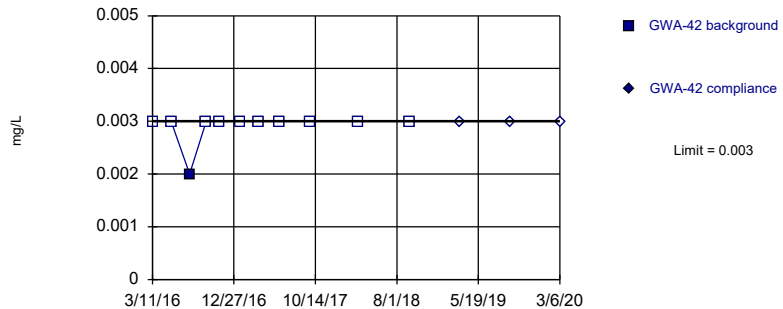


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

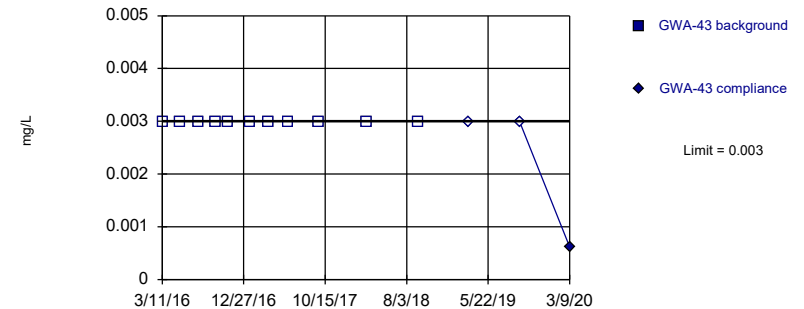


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	0.003	
5/11/2016	0.000839 (J)	
7/19/2016	0.0024 (J)	
9/15/2016	0.0009 (J)	
11/2/2016	0.001 (J)	
1/18/2017	0.0017 (J)	
3/28/2017	0.0006 (J)	
6/7/2017	0.0003 (J)	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/15/2019		<0.003
9/9/2019		0.00079 (J)
3/9/2020		0.0011 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.003	
5/11/2016	<0.003	
7/21/2016	<0.003	
9/15/2016	<0.003	
11/3/2016	0.0021 (J)	
1/17/2017	<0.003	
3/24/2017	<0.003	
5/24/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019		<0.003
9/9/2019		<0.003
3/9/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.003	
5/16/2016	<0.003	
7/22/2016	0.002 (J)	
9/19/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	<0.003	
6/7/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/14/2018	<0.003	
3/14/2019		<0.003
9/10/2019		<0.003
3/6/2020		<0.003

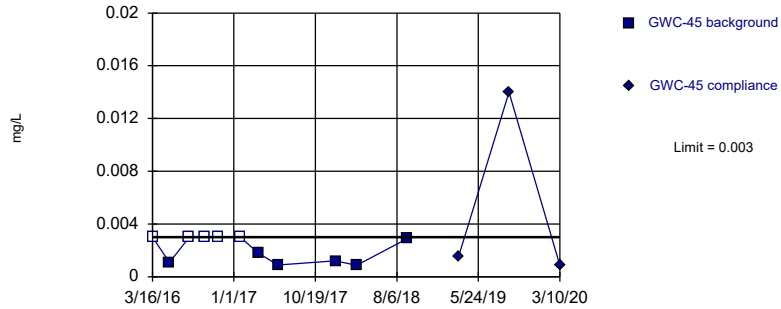
Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003 (*)	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	<0.003	
3/28/2017	<0.003	
6/6/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019		<0.003
9/11/2019		<0.003
3/9/2020		0.00062 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

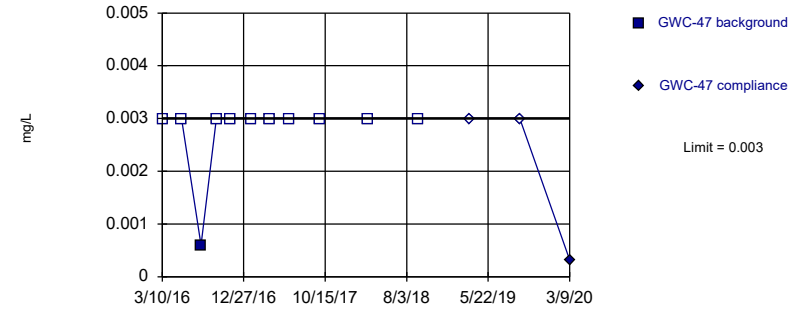


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

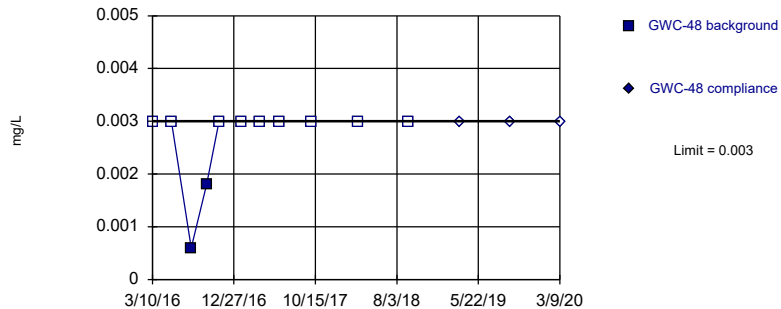


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

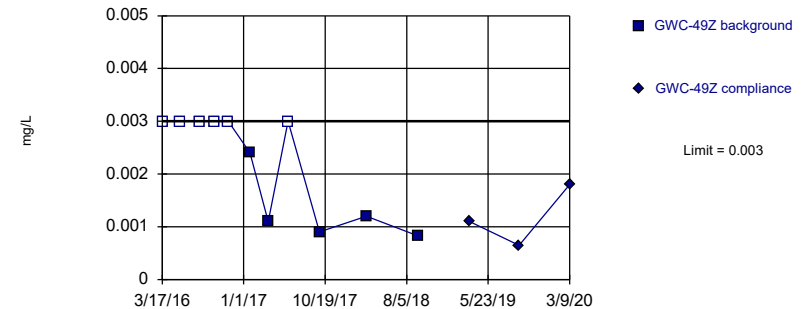


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.003	
5/16/2016	0.00109 (J)	
7/25/2016	<0.003 (*)	
9/19/2016	<0.003	
11/4/2016	<0.003	
1/23/2017	<0.003	
3/29/2017	0.0018 (J)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0111 (o)	
12/29/2017	0.0012 (Y)	
3/15/2018	0.00086 (J)	
9/13/2018	0.0029 (J)	
3/14/2019		0.0015 (J)
9/11/2019		0.014
3/10/2020		0.00087 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.003	
5/18/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	<0.003	
11/7/2016	<0.003	
1/23/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003	
9/27/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019		<0.003
9/12/2019		<0.003
3/9/2020		0.00032 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.003	
5/17/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	0.0018 (J)	
11/4/2016	<0.003	
1/23/2017	<0.003	
3/28/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019		<0.003
9/11/2019		<0.003 (D)
3/9/2020		<0.003

Prediction Limit

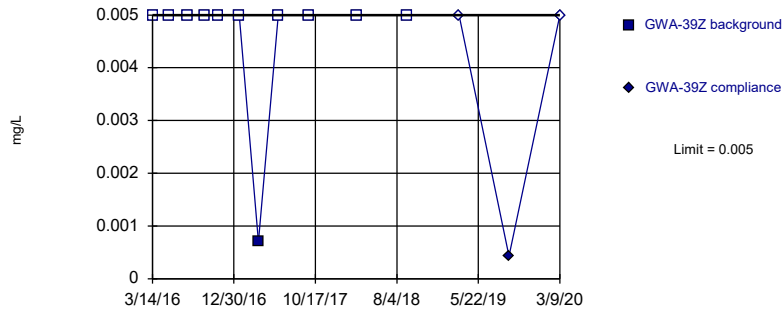
Constituent: Antimony (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.003	
5/18/2016	<0.003	
7/28/2016	<0.003	
9/21/2016	<0.003	
11/7/2016	<0.003 (*)	
1/24/2017	0.0024 (J)	
3/30/2017	0.0011 (J)	
6/9/2017	<0.003 (*)	
9/29/2017	0.0009 (J)	
3/15/2018	0.0012 (J)	
9/14/2018	0.00083 (J)	
3/19/2019		0.0011 (J)
9/11/2019		0.00065 (J)
3/9/2020		0.0018 (J)

Sanitas™ v.9.6.25f Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



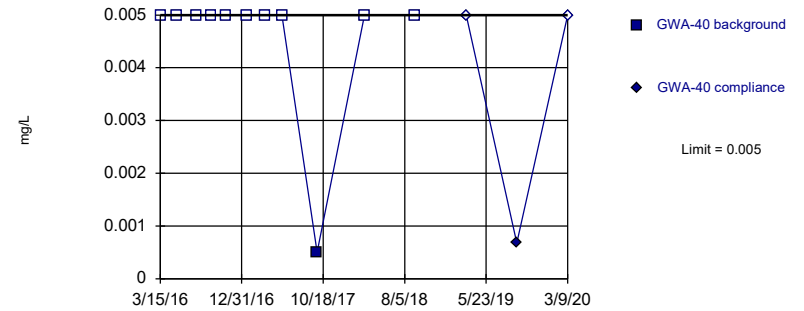
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.25f Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



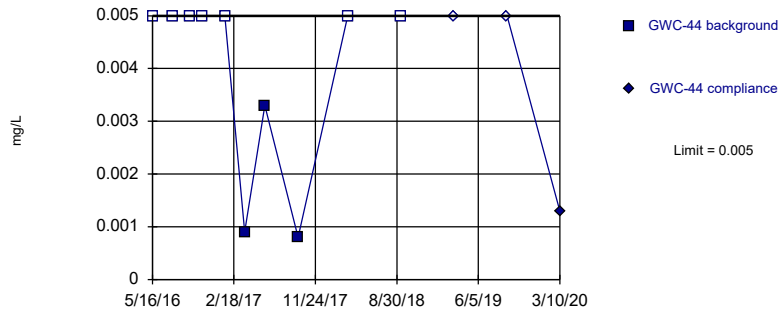
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.25f Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



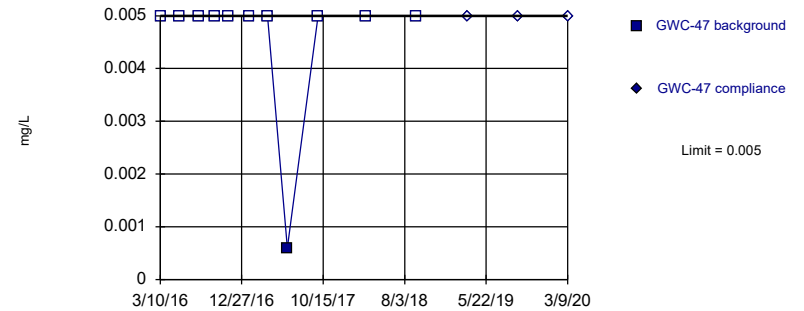
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.25f Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0007 (J)	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019		<0.005
9/9/2019		0.00043 (J)
3/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005	
5/24/2017	<0.005	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019		<0.005
9/9/2019		0.00068 (J)
3/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	0.0657 (o)	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	0.0009 (J)	
6/5/2017	0.0033 (J)	
9/26/2017	0.0008 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019		<0.005
9/11/2019		<0.005
3/10/2020		0.0013 (J)

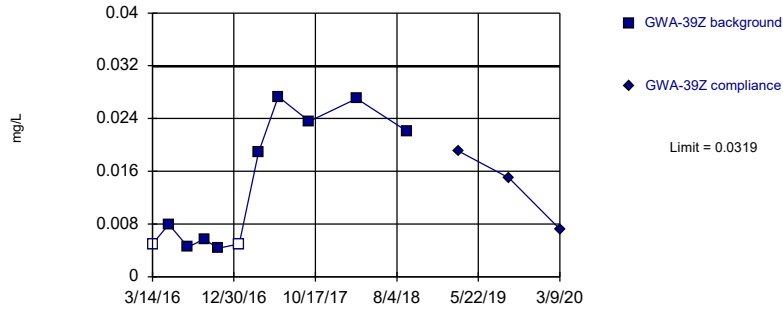
Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	<0.005	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.0006 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019		<0.005
9/12/2019		<0.005
3/9/2020		<0.005

Within Limit

Prediction Limit
 Intrawell Parametric

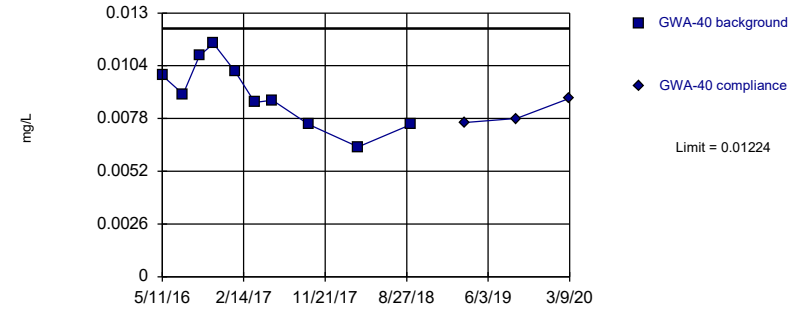


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01385, Std. Dev.=0.009342, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7963, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

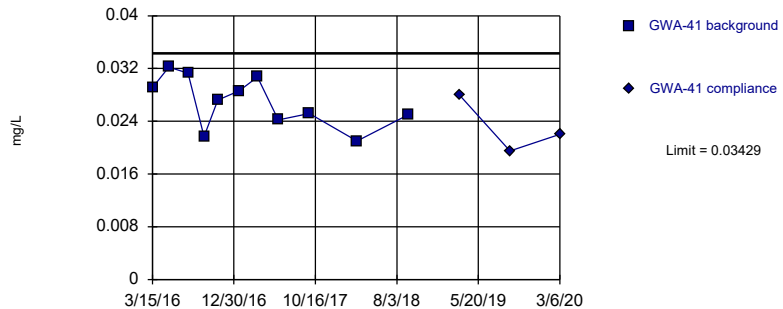


Background Data Summary: Mean=0.009012, Std. Dev.=0.001613, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9738, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

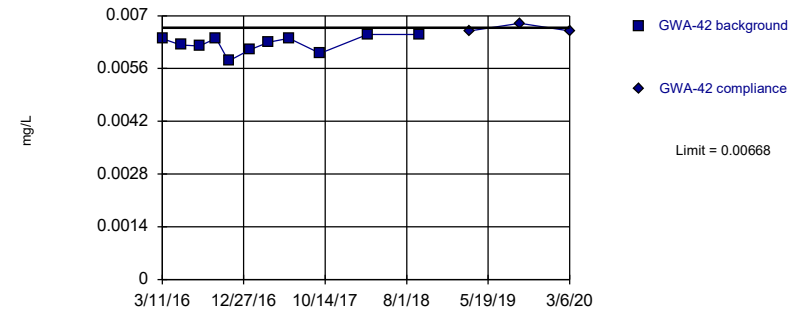


Background Data Summary: Mean=0.02693, Std. Dev.=0.003812, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9494, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=0.006255, Std. Dev.=0.0002197, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.919, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.01	
5/11/2016	0.00793 (J)	
7/19/2016	0.0045 (J)	
9/15/2016	0.0057 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.01 (*)	
3/28/2017	0.0188	
6/7/2017	0.0273	
9/26/2017	0.0236	
3/14/2018	0.027	
9/12/2018	0.022	
3/15/2019		0.019
9/9/2019		0.015
3/9/2020		0.0072 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<3 (o)	
5/11/2016	0.00992 (J)	
7/21/2016	0.009 (J)	
9/15/2016	0.0109	
11/3/2016	0.0115	
1/17/2017	0.0101	
3/24/2017	0.0086 (J)	
5/24/2017	0.0087 (J)	
9/26/2017	0.0075 (J)	
3/14/2018	0.0064 (J)	
9/12/2018	0.0075 (J)	
3/13/2019		0.0076 (J)
9/9/2019		0.0078 (J)
3/9/2020		0.0088 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

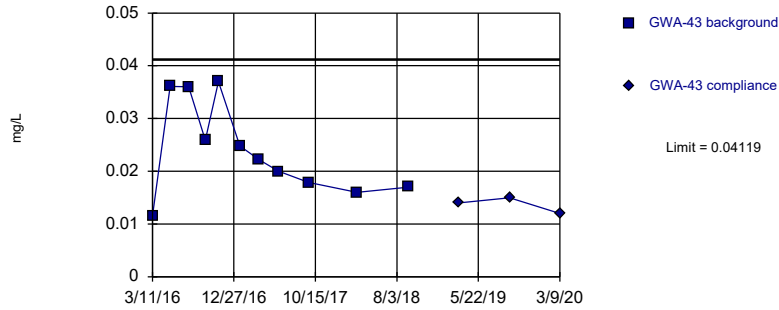
	GWA-41	GWA-41
3/15/2016	0.0291	
5/12/2016	0.0322	
7/20/2016	0.0313	
9/15/2016	0.0217	
11/3/2016	0.0272	
1/18/2017	0.0286 (J)	
3/24/2017	0.0307	
6/6/2017	0.0242	
9/25/2017	0.0252	
3/14/2018	0.021	
9/12/2018	0.025	
3/14/2019		0.028
9/10/2019		0.0195 (D)
3/6/2020		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	0.00639 (J)	
5/16/2016	0.00622 (J)	
7/22/2016	0.0062 (J)	
9/19/2016	0.0064 (J)	
11/3/2016	0.0058 (J)	
1/17/2017	0.0061 (J)	
3/27/2017	0.0063 (J)	
6/7/2017	0.0064 (J)	
9/26/2017	0.006 (J)	
3/14/2018	0.0065 (J)	
9/14/2018	0.0065 (J)	
3/14/2019		0.0066 (J)
9/10/2019		0.0068 (J)
3/6/2020		0.0066 (J)

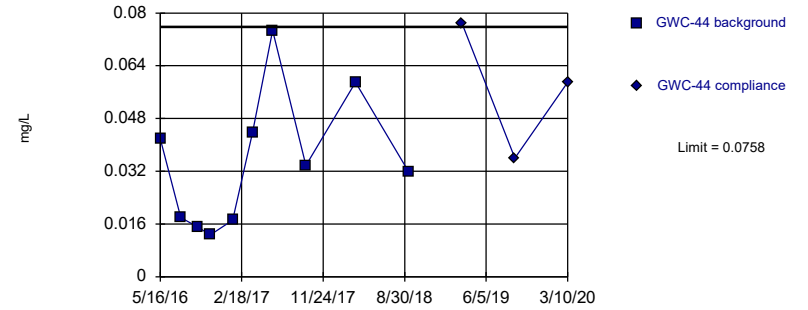
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02405, Std. Dev.=0.00887, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9033, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

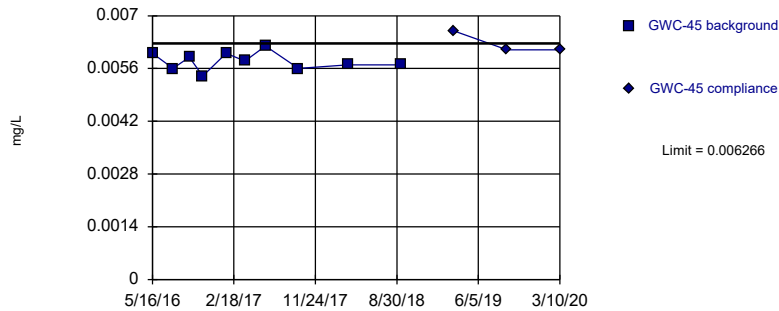
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.0348, Std. Dev.=0.0205, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9099, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

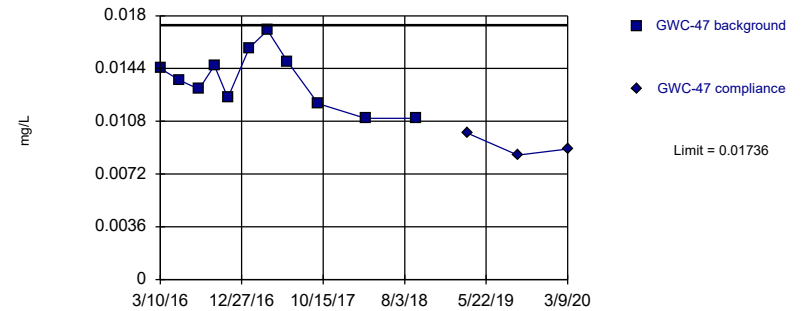
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.00579, Std. Dev.=0.0002378, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9761, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01361, Std. Dev.=0.001939, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9632, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.0116	
5/13/2016	0.0361	
7/19/2016	0.036	
9/16/2016	0.0259	
11/2/2016	0.037	
1/18/2017	0.0248	
3/28/2017	0.0222	
6/6/2017	0.02	
9/22/2017	0.0179	
3/14/2018	0.016	
9/12/2018	0.017	
3/13/2019		0.014
9/11/2019		0.015
3/9/2020		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<3 (o)	
5/16/2016	0.0418	
7/25/2016	0.0179	
9/19/2016	0.0152	
11/3/2016	0.0127	
1/19/2017	0.0172	
3/28/2017	0.0437	
6/5/2017	0.0747	
9/26/2017	0.0338	
3/15/2018	0.059	
9/12/2018	0.032	
3/14/2019		0.077
9/11/2019		0.036
3/10/2020		0.059

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.6294 (o)	
5/16/2016	0.006 (J)	
7/25/2016	0.0056 (J)	
9/19/2016	0.0059 (J)	
11/4/2016	0.0054 (J)	
1/23/2017	0.006 (J)	
3/29/2017	0.0058 (J)	
6/7/2017	0.0062 (J)	
9/27/2017	0.0056 (J)	
3/15/2018	0.0057 (J)	
9/13/2018	0.0057 (J)	
3/14/2019		0.0066 (J)
9/11/2019		0.0061 (J)
3/10/2020		0.0061 (J)

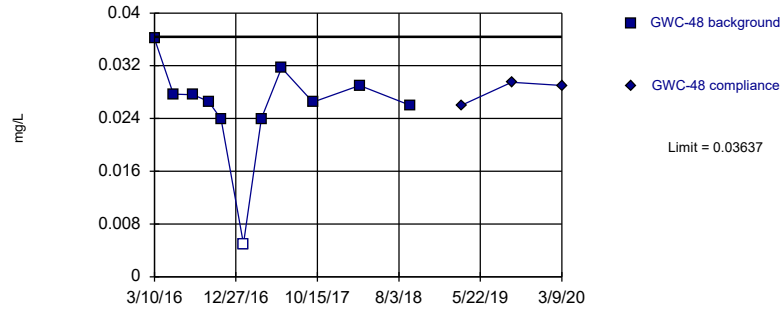
Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	0.0144	
5/18/2016	0.0136	
7/27/2016	0.013	
9/20/2016	0.0146	
11/7/2016	0.0124	
1/23/2017	0.0158	
3/29/2017	0.017	
6/8/2017	0.0149	
9/27/2017	0.012	
3/15/2018	0.011	
9/13/2018	0.011	
3/15/2019		0.01
9/12/2019		0.0085 (J)
3/9/2020		0.0089 (J)

Within Limit

Prediction Limit
Intrawell Parametric

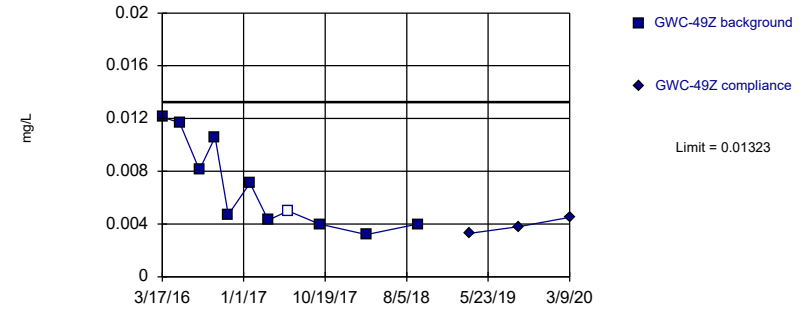


Background Data Summary (based on square transformation): Mean=0.0007215, Std. Dev.=0.0003112, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9063, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

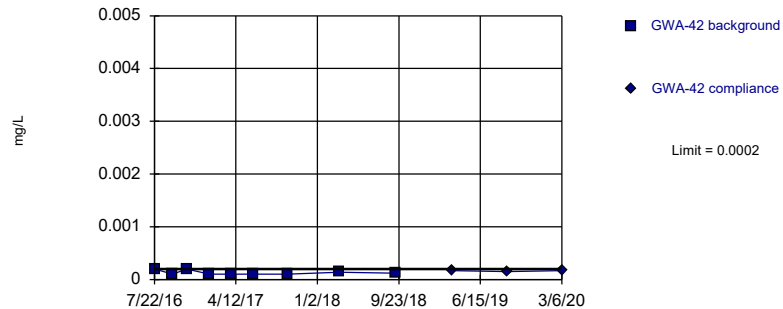


Background Data Summary: Mean=0.0068, Std. Dev.=0.00333, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8555, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

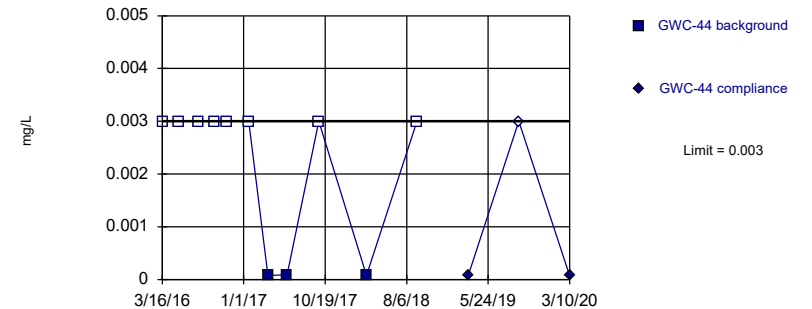


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 9 background values. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Beryllium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.0361	
5/17/2016	0.0277	
7/27/2016	0.0276	
9/20/2016	0.0266	
11/4/2016	0.0239	
1/23/2017	<0.01	
3/28/2017	0.024	
6/8/2017	0.0317	
9/29/2017	0.0265	
3/15/2018	0.029	
9/13/2018	0.026	
3/15/2019		0.026
9/11/2019		0.0295 (D)
3/9/2020		0.029

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	0.0121	
5/18/2016	0.0117	
7/28/2016	0.0081 (J)	
9/21/2016	0.0106	
11/7/2016	0.0047 (J)	
1/24/2017	0.0071 (J)	
3/30/2017	0.0043 (J)	
6/9/2017	<0.01 (*)	
9/29/2017	0.004 (J)	
3/15/2018	0.0032 (J)	
9/14/2018	0.004 (J)	
3/19/2019		0.0033 (J)
9/11/2019		0.0038 (J)
3/9/2020		0.0045 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.005 (o)	
5/16/2016	<0.003 (o)	
7/22/2016	0.0002 (J)	
9/19/2016	0.0001 (J)	
11/3/2016	0.0002 (J)	
1/17/2017	0.0001 (J)	
3/27/2017	0.0001 (J)	
6/7/2017	0.0001 (J)	
9/26/2017	0.0001 (J)	
3/14/2018	0.00014 (J)	
9/14/2018	0.00012 (J)	
3/14/2019		0.00017 (J)
9/10/2019		0.00015 (J)
3/6/2020		0.00017 (J)

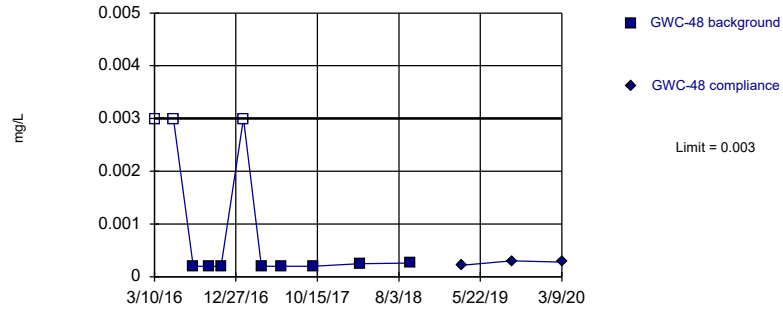
Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.003	
5/16/2016	<0.003	
7/25/2016	<0.003	
9/19/2016	<0.003	
11/3/2016	<0.003	
1/19/2017	<0.003	
3/28/2017	8E-05 (J)	
6/5/2017	9E-05 (J)	
9/26/2017	<0.003	
3/15/2018	7.7E-05 (J)	
9/12/2018	<0.003	
3/14/2019		7.8E-05 (J)
9/11/2019		<0.003
3/10/2020		7.4E-05 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

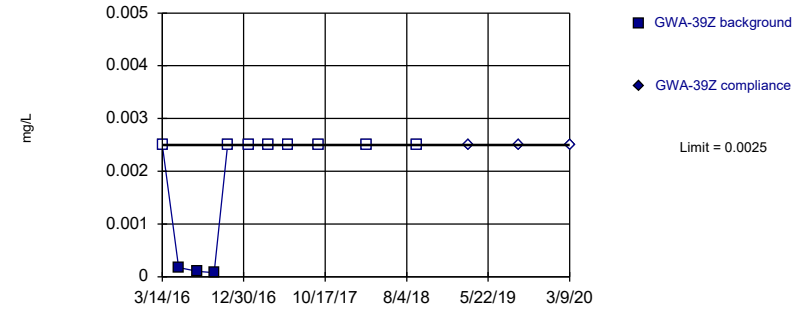


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 27.27% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

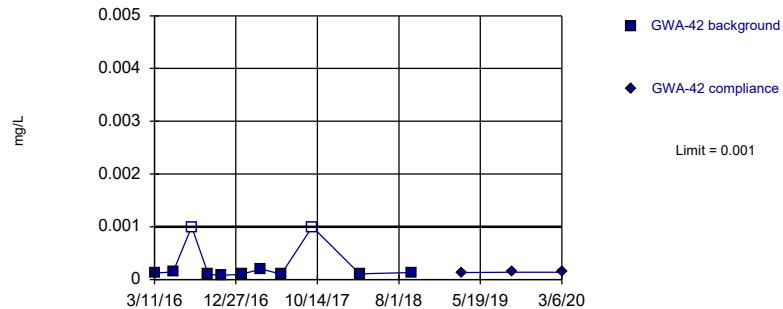


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

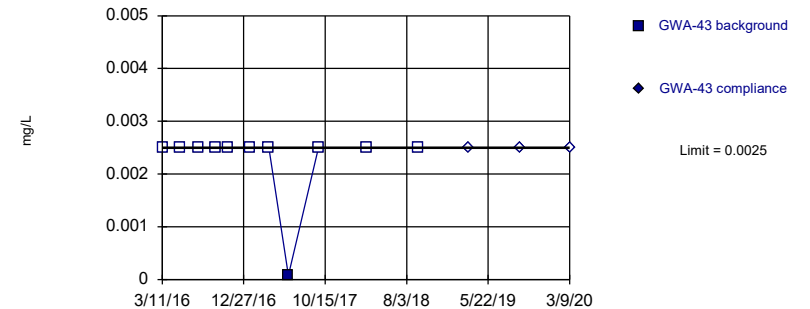


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.003	
5/17/2016	<0.003	
7/27/2016	0.0002 (J)	
9/20/2016	0.0002 (J)	
11/4/2016	0.0002 (J)	
1/23/2017	<0.003	
3/28/2017	0.0002 (J)	
6/8/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.00025 (J)	
9/13/2018	0.00026 (J)	
3/15/2019		0.00022 (J)
9/11/2019		0.0003 (JD)
3/9/2020		0.00028 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.0025	
5/11/2016	0.000177 (J)	
7/19/2016	0.0001 (J)	
9/15/2016	8E-05 (J)	
11/2/2016	<0.0025	
1/18/2017	<0.0025	
3/28/2017	<0.0025	
6/7/2017	<0.0025	
9/26/2017	<0.0025	
3/14/2018	<0.0025	
9/12/2018	<0.0025	
3/15/2019		<0.0025
9/9/2019		<0.0025
3/9/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	0.000121 (J)	
5/16/2016	0.000145 (J)	
7/22/2016	<0.001	
9/19/2016	0.0001 (J)	
11/3/2016	8E-05 (J)	
1/17/2017	0.0001 (J)	
3/27/2017	0.0002 (J)	
6/7/2017	0.0001 (J)	
9/26/2017	<0.001	
3/14/2018	0.00011 (J)	
9/14/2018	0.00013 (J)	
3/14/2019		0.00013 (J)
9/10/2019		0.00014 (J)
3/6/2020		0.00014 (J)

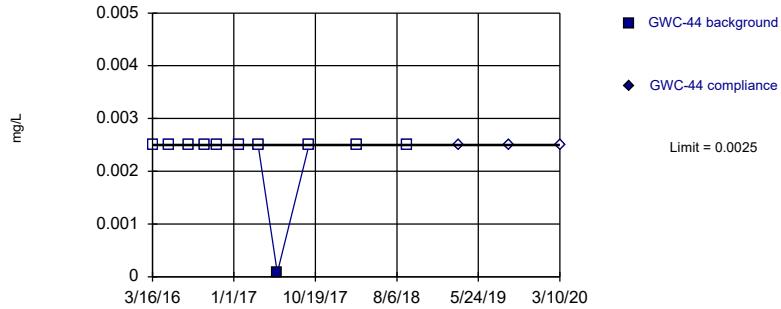
Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.0025	
5/13/2016	<0.0025	
7/19/2016	<0.0025	
9/16/2016	<0.0025	
11/2/2016	<0.0025	
1/18/2017	<0.0025	
3/28/2017	<0.0025	
6/6/2017	8E-05 (J)	
9/22/2017	<0.0025	
3/14/2018	<0.0025	
9/12/2018	<0.0025	
3/13/2019		<0.0025
9/11/2019		<0.0025
3/9/2020		<0.0025

Within Limit

Prediction Limit
Intrawell Non-parametric

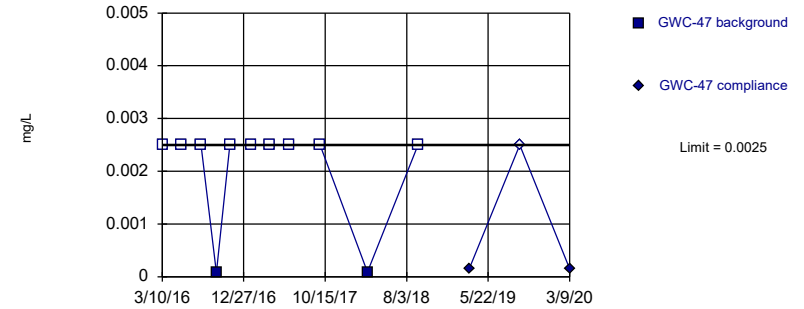


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

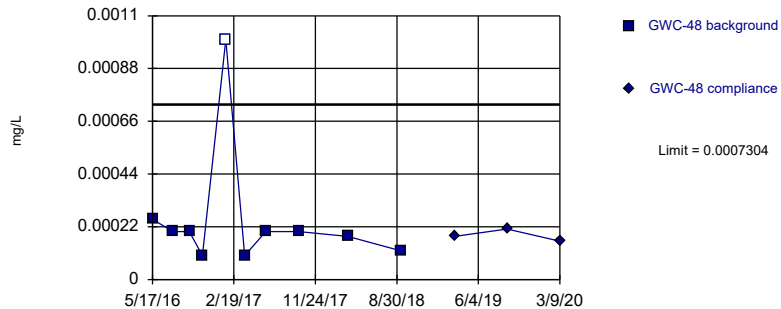


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

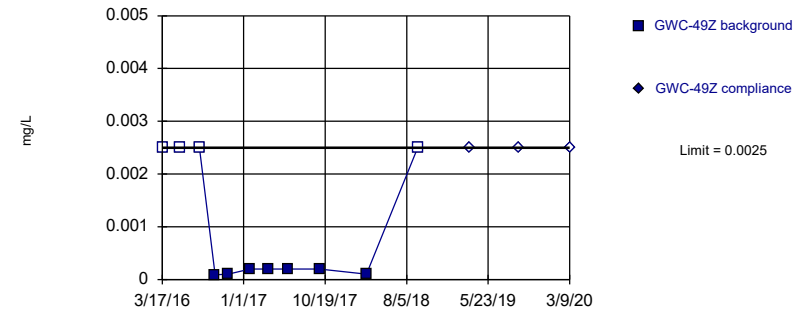


Background Data Summary (based on natural log transformation): Mean=-8.534, Std. Dev.=0.6559, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7878, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Cadmium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.0025	
5/16/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/3/2016	<0.0025	
1/19/2017	<0.0025	
3/28/2017	<0.0025	
6/5/2017	8E-05 (J)	
9/26/2017	<0.0025	
3/15/2018	<0.0025	
9/12/2018	<0.0025	
3/14/2019		<0.0025
9/11/2019		<0.0025
3/10/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.0025	
5/18/2016	<0.0025	
7/27/2016	<0.0025	
9/20/2016	8E-05 (J)	
11/7/2016	<0.0025	
1/23/2017	<0.0025	
3/29/2017	<0.0025	
6/8/2017	<0.0025	
9/27/2017	<0.0025	
3/15/2018	9.3E-05 (J)	
9/13/2018	<0.0025	
3/15/2019		0.00015 (J)
9/12/2019		<0.0025
3/9/2020		0.00015 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.0195 (Jo)	
5/17/2016	0.000251 (J)	
7/27/2016	0.0002 (J)	
9/20/2016	0.0002 (J)	
11/4/2016	0.0001 (J)	
1/23/2017	<0.001	
3/28/2017	0.0001 (J)	
6/8/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.00018 (J)	
9/13/2018	0.00012 (J)	
3/15/2019		0.00018 (J)
9/11/2019		0.00021 (JD)
3/9/2020		0.00016 (J)

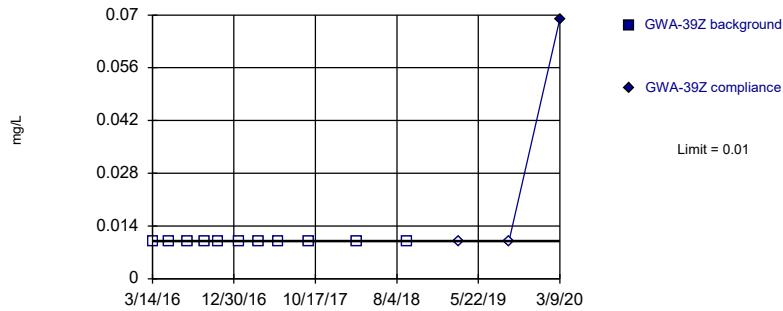
Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.0025	
5/18/2016	<0.0025	
7/28/2016	<0.0025	
9/21/2016	9E-05 (J)	
11/7/2016	0.0001 (J)	
1/24/2017	0.0002 (J)	
3/30/2017	0.0002 (J)	
6/9/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.0001 (J)	
9/14/2018	<0.0025	
3/19/2019		<0.0025
9/11/2019		<0.0025
3/9/2020		<0.0025

Exceeds Limit

Prediction Limit
 Intrawell Non-parametric

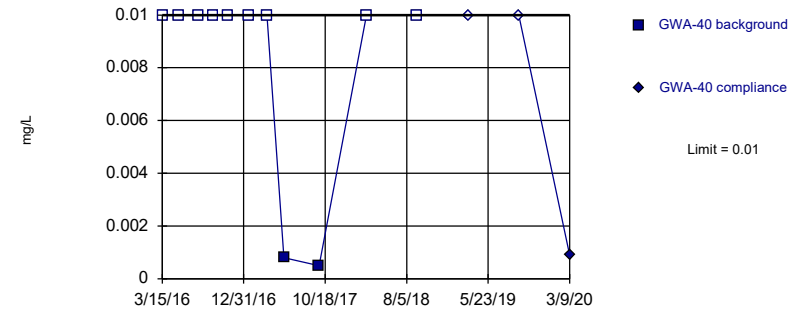


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

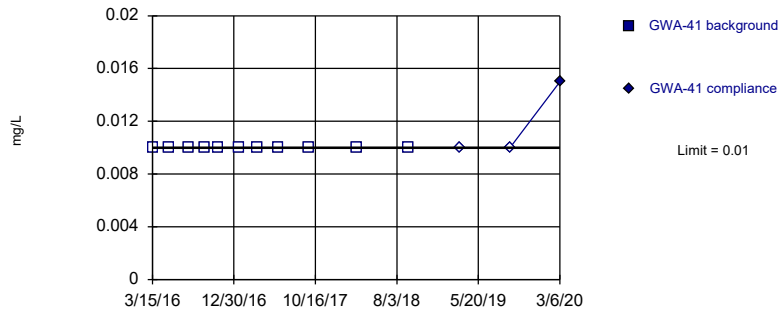


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
 Intrawell Non-parametric

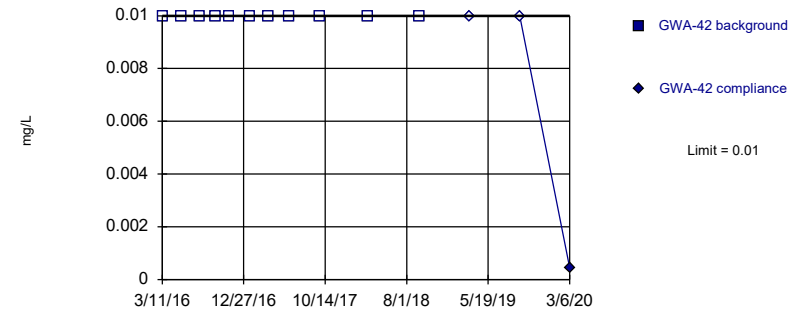


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.01	
5/11/2016	<0.01	
7/19/2016	<0.01	
9/15/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01 (*)	
6/7/2017	<0.01	
9/26/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/15/2019		<0.01
9/9/2019		<0.01
3/9/2020		0.069

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.01	
5/11/2016	<0.01	
7/21/2016	<0.01	
9/15/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/24/2017	<0.01 (*)	
5/24/2017	0.0008 (J)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/9/2019		<0.01
3/9/2020		0.0009 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.01	
5/12/2016	<0.01	
7/20/2016	<0.01	
9/15/2016	<0.01	
11/3/2016	<0.01	
1/18/2017	<0.01	
3/24/2017	<0.01 (*)	
6/6/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/10/2019		<0.01 (D)
3/6/2020		0.015

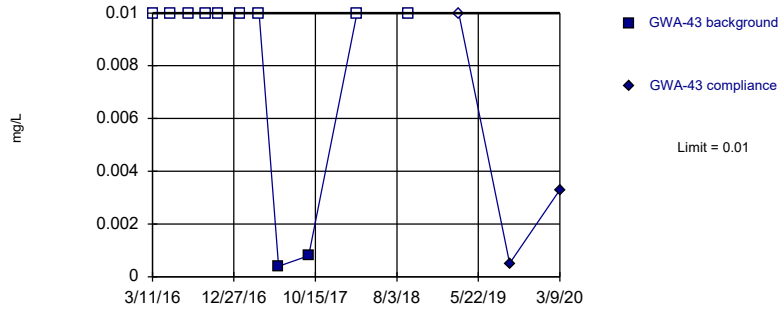
Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.01	
5/16/2016	<0.01	
7/22/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/27/2017	<0.01	
6/7/2017	<0.01	
9/26/2017	<0.01	
3/14/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		<0.01
9/10/2019		<0.01
3/6/2020		0.00045 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

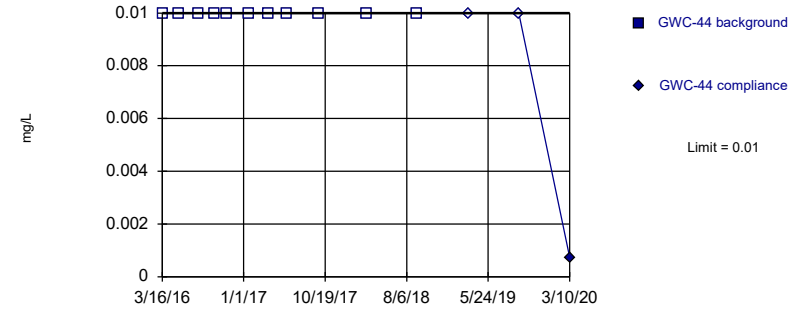


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

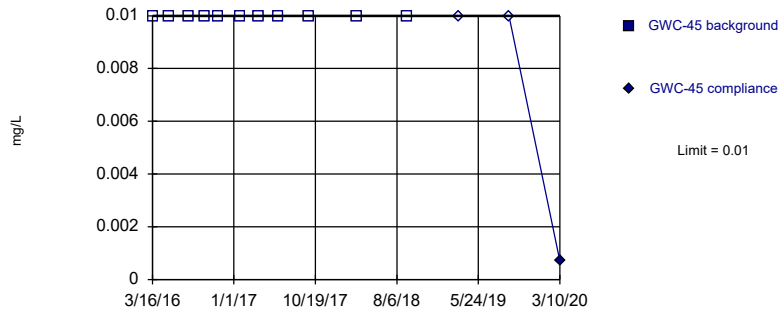


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

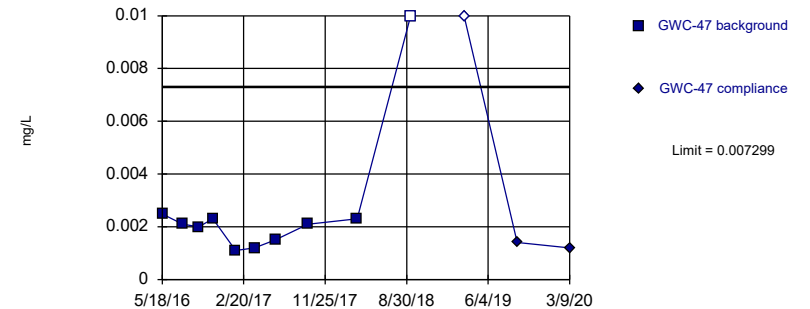


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 7:05 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.134, Std. Dev.=0.6071, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7857, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Chromium Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.01	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01 (*)	
6/6/2017	0.0004 (J)	
9/22/2017	0.0008 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		0.00051 (J)
3/9/2020		0.0033 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/19/2017	<0.01	
3/28/2017	<0.01	
6/5/2017	<0.01	
9/26/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/11/2019		<0.01
3/10/2020		0.00074 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

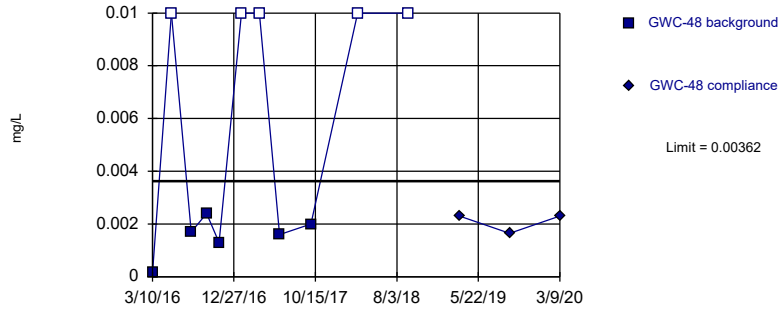
	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/4/2016	<0.01	
1/23/2017	<0.01	
3/29/2017	<0.01	
6/7/2017	<0.01	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019		<0.01
9/11/2019		<0.01
3/10/2020		0.0007 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	0.0439 (o)	
5/18/2016	0.00248 (J)	
7/27/2016	0.0021 (J)	
9/20/2016	0.002 (J)	
11/7/2016	0.0023 (J)	
1/23/2017	0.0011 (J)	
3/29/2017	0.0012 (J)	
6/8/2017	0.0015 (J)	
9/27/2017	0.0021 (J)	
3/15/2018	0.0023 (J)	
9/13/2018	<0.01	
3/15/2019		<0.01
9/12/2019		0.0014 (J)
3/9/2020		0.0012 (J)

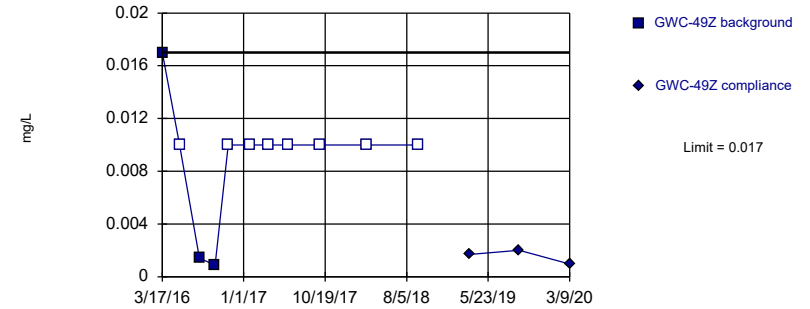
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03719, Std. Dev.=0.01189, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7973, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Chromium Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

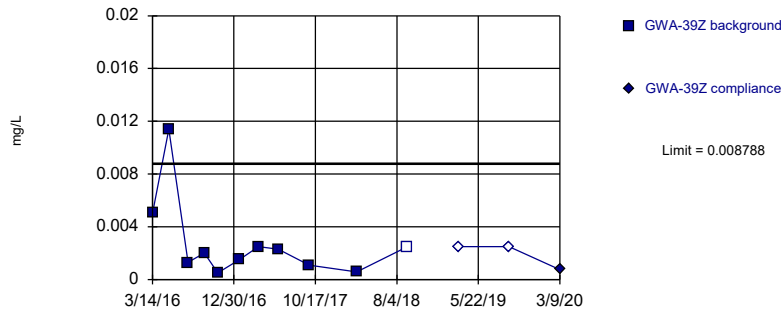
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

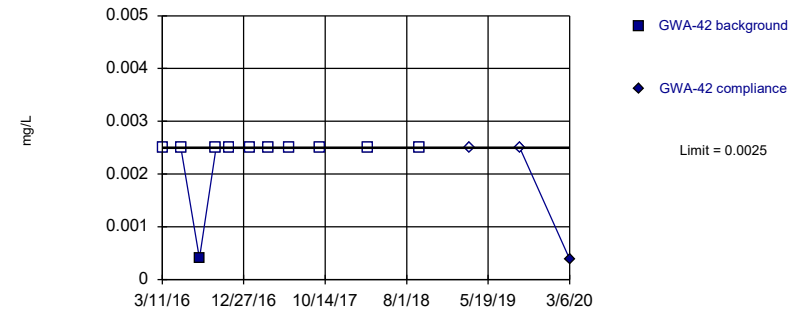
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.04771, Std. Dev.=0.02382, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8448, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Cobalt Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.000148 (J)	
5/17/2016	<0.01	
7/27/2016	0.0017 (J)	
9/20/2016	0.0024 (J)	
11/4/2016	0.0013 (J)	
1/23/2017	<0.01	
3/28/2017	<0.01 (*)	
6/8/2017	0.0016 (J)	
9/29/2017	0.002 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019		0.0023 (J)
9/11/2019		0.00165 (JD)
3/9/2020		0.0023 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	0.017 (J)	
5/18/2016	<0.01	
7/28/2016	0.0014 (J)	
9/21/2016	0.0009 (J)	
11/7/2016	<0.01	
1/24/2017	<0.01	
3/30/2017	<0.01	
6/9/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		0.0017 (J)
9/11/2019		0.002 (J)
3/9/2020		0.00096 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	0.00503 (J)	
5/11/2016	0.0114	
7/19/2016	0.0013 (J)	
9/15/2016	0.002 (J)	
11/2/2016	0.0005 (J)	
1/18/2017	0.0015 (J)	
3/28/2017	0.0025 (J)	
6/7/2017	0.0023 (J)	
9/26/2017	0.0011 (J)	
3/14/2018	0.00058 (J)	
9/12/2018	<0.0025	
3/15/2019		<0.0025
9/9/2019		<0.0025
3/9/2020		0.00075 (J)

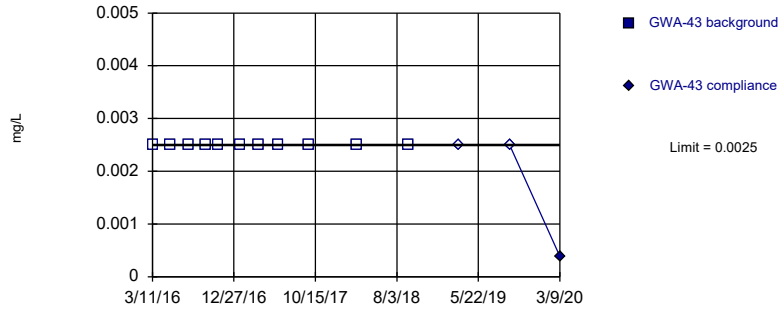
Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.0025	
5/16/2016	<0.0025	
7/22/2016	0.0004 (J)	
9/19/2016	<0.0025	
11/3/2016	<0.0025	
1/17/2017	<0.0025	
3/27/2017	<0.0025	
6/7/2017	<0.0025	
9/26/2017	<0.0025	
3/14/2018	<0.0025	
9/14/2018	<0.0025	
3/14/2019		<0.0025
9/10/2019		<0.0025
3/6/2020		0.00039 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

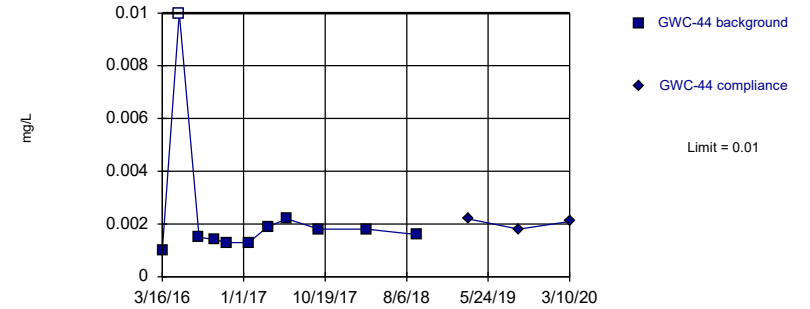


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

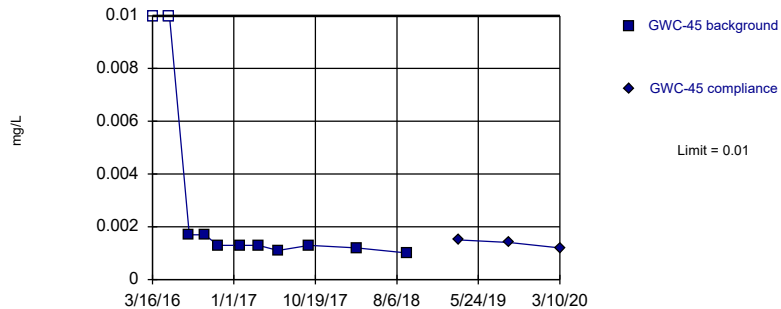


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

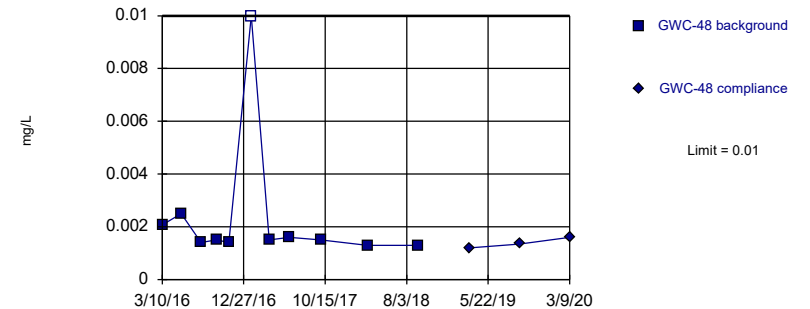


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.0025	
5/13/2016	<0.0025	
7/19/2016	<0.0025	
9/16/2016	<0.0025	
11/2/2016	<0.0025	
1/18/2017	<0.0025	
3/28/2017	<0.0025	
6/6/2017	<0.0025	
9/22/2017	<0.0025	
3/14/2018	<0.0025	
9/12/2018	<0.0025	
3/13/2019		<0.0025
9/11/2019		<0.0025
3/9/2020		0.00039 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	0.00101 (J)	
5/16/2016	<0.01	
7/25/2016	0.0015 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/19/2017	0.0013 (J)	
3/28/2017	0.0019 (J)	
6/5/2017	0.0022 (J)	
9/26/2017	0.0018 (J)	
3/15/2018	0.0018 (J)	
9/12/2018	0.0016 (J)	
3/14/2019		0.0022 (J)
9/11/2019		0.0018 (J)
3/10/2020		0.0021 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	0.0017 (J)	
9/19/2016	0.0017 (J)	
11/4/2016	0.0013 (J)	
1/23/2017	0.0013 (J)	
3/29/2017	0.0013 (J)	
6/7/2017	0.0011 (J)	
9/27/2017	0.0013 (J)	
3/15/2018	0.0012 (J)	
9/13/2018	0.001 (J)	
3/14/2019		0.0015 (J)
9/11/2019		0.0014 (J)
3/10/2020		0.0012 (J)

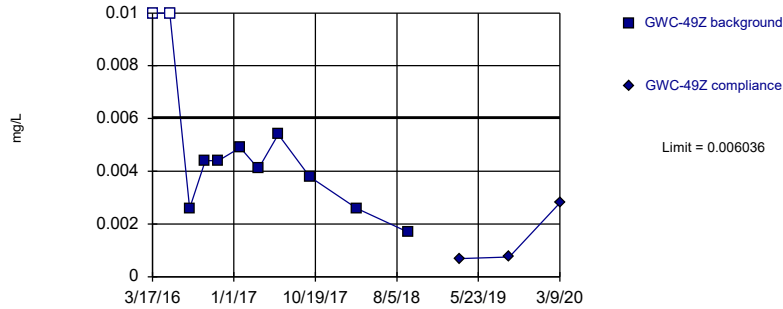
Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.00207 (J)	
5/17/2016	0.0025 (J)	
7/27/2016	0.0014 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0014 (J)	
1/23/2017	<0.01	
3/28/2017	0.0015 (J)	
6/8/2017	0.0016 (J)	
9/29/2017	0.0015 (J)	
3/15/2018	0.0013 (J)	
9/13/2018	0.0013 (J)	
3/15/2019		0.0012 (J)
9/11/2019		0.00135 (JD)
3/9/2020		0.0016 (J)

Within Limit

Prediction Limit
Intrawell Parametric

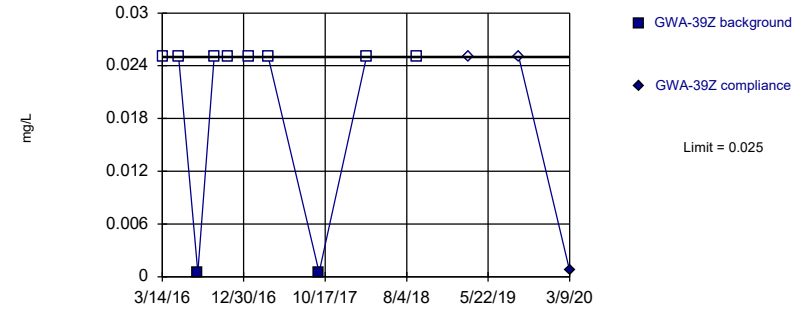


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003487, Std. Dev.=0.001319, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.83, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Cobalt Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

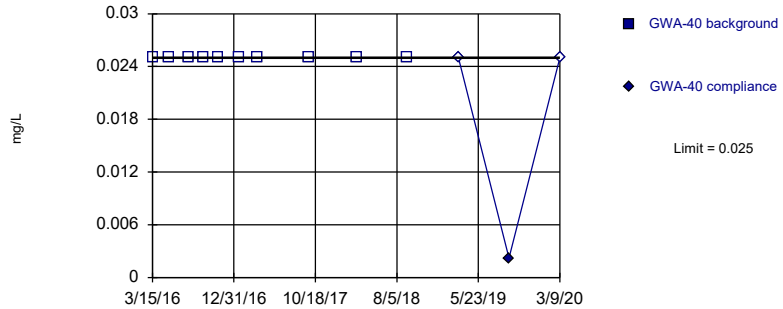


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

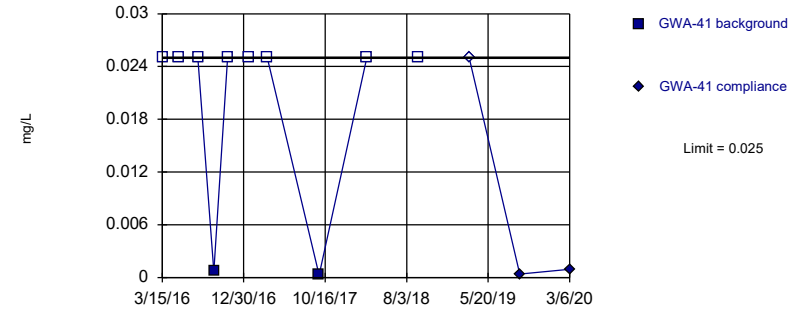


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.01	
5/18/2016	<0.01	
7/28/2016	0.0026 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0044 (J)	
1/24/2017	0.0049 (J)	
3/30/2017	0.0041 (J)	
6/9/2017	0.0054 (J)	
9/29/2017	0.0038 (J)	
3/15/2018	0.0026 (J)	
9/14/2018	0.0017 (J)	
3/19/2019		0.00069 (J)
9/11/2019		0.00075 (J)
3/9/2020		0.0028 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.025	
5/11/2016	<0.025	
7/19/2016	0.0005 (J)	
9/15/2016	<0.025	
11/2/2016	<0.025	
1/18/2017	<0.025	
3/28/2017	<0.025 (*)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.025	
9/12/2018	<0.025	
3/15/2019		<0.025
9/9/2019		<0.025
3/9/2020		0.0007 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.025	
5/11/2016	<0.025	
7/21/2016	<0.025	
9/15/2016	<0.025	
11/3/2016	<0.025	
1/17/2017	<0.025	
3/24/2017	<0.025	
9/26/2017	<0.025	
3/14/2018	<0.025	
9/12/2018	<0.025	
3/13/2019		<0.025
9/9/2019		0.0022 (J)
3/9/2020		<0.025

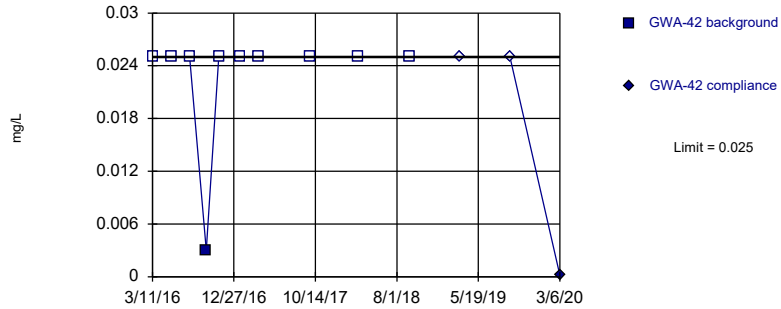
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.025	
5/12/2016	<0.025	
7/20/2016	<0.025	
9/15/2016	0.0007 (J)	
11/3/2016	<0.025	
1/18/2017	<0.025	
3/24/2017	<0.025	
9/25/2017	0.0003 (J)	
3/14/2018	<0.025	
9/12/2018	<0.025	
3/14/2019		<0.025
9/10/2019		0.00038 (JD)
3/6/2020		0.00093 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

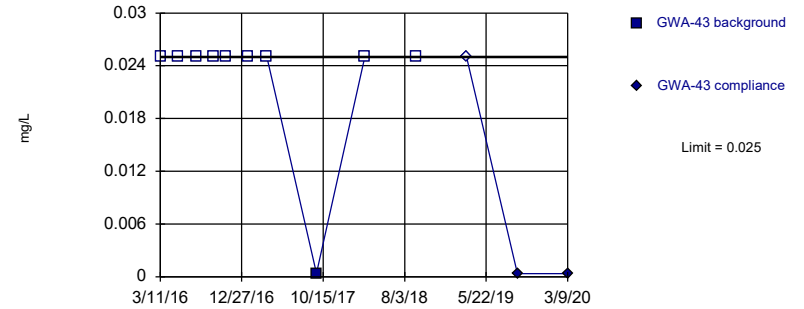


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

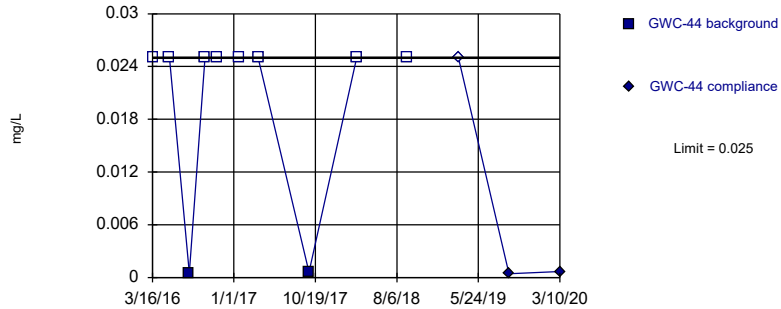


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

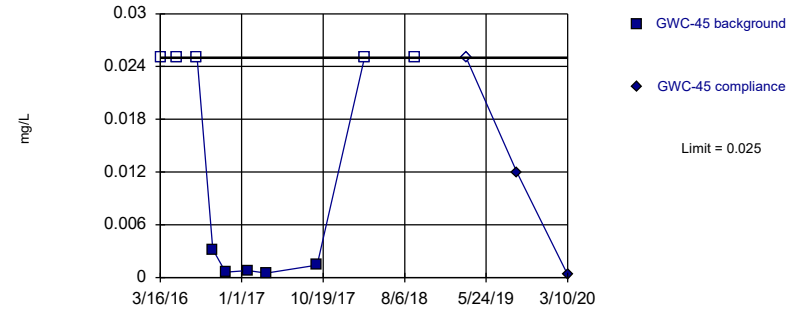


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.025	
5/16/2016	<0.025	
7/22/2016	<0.025	
9/19/2016	0.003 (J)	
11/3/2016	<0.025	
1/17/2017	<0.025	
3/27/2017	<0.025	
9/26/2017	<0.025	
3/14/2018	<0.025	
9/14/2018	<0.025	
3/14/2019		<0.025
9/10/2019		<0.025
3/6/2020		0.00019 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.025	
5/13/2016	<0.025	
7/19/2016	<0.025	
9/16/2016	<0.025	
11/2/2016	<0.025	
1/18/2017	<0.025	
3/28/2017	<0.025 (*)	
9/22/2017	0.0004 (J)	
3/14/2018	<0.025	
9/12/2018	<0.025	
3/13/2019		<0.025
9/11/2019		0.00036 (J)
3/9/2020		0.00035 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.025	
5/16/2016	<0.025	
7/25/2016	0.0005 (J)	
9/19/2016	<0.025	
11/3/2016	<0.025	
1/19/2017	<0.025	
3/28/2017	<0.025 (*)	
9/26/2017	0.0006 (J)	
3/15/2018	<0.025	
9/12/2018	<0.025	
3/14/2019		<0.025
9/11/2019		0.00043 (J)
3/10/2020		0.00067 (J)

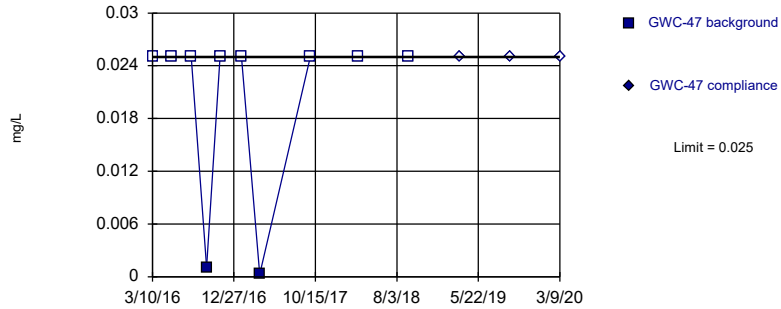
Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.025	
5/16/2016	<0.025	
7/25/2016	<0.025	
9/19/2016	0.0032 (J)	
11/4/2016	0.0006 (J)	
1/23/2017	0.0008 (J)	
3/29/2017	0.0005 (J)	
9/27/2017	0.0014 (J)	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/14/2019		<0.025
9/11/2019		0.012 (J)
3/10/2020		0.00031 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

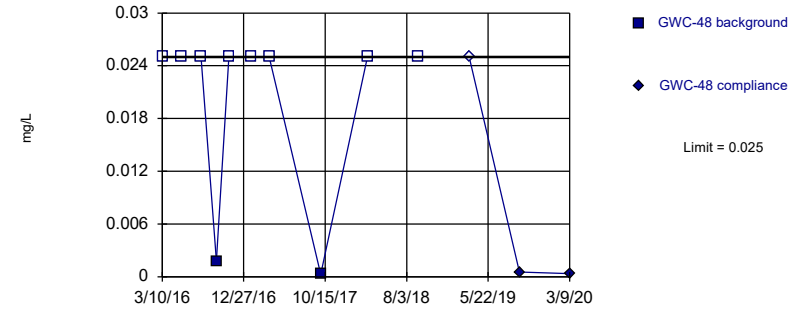


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

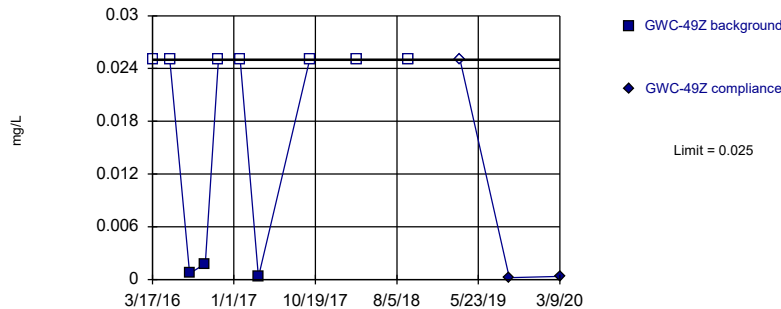


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

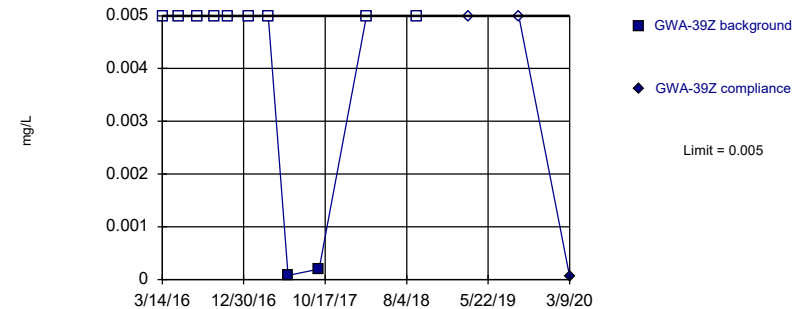


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.025	
5/18/2016	<0.025	
7/27/2016	<0.025	
9/20/2016	0.0011 (J)	
11/7/2016	<0.025	
1/23/2017	<0.025	
3/29/2017	0.0003 (J)	
9/27/2017	<0.025	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/15/2019		<0.025
9/12/2019		<0.025
3/9/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.025	
5/17/2016	<0.025	
7/27/2016	<0.025	
9/20/2016	0.0018 (J)	
11/4/2016	<0.025	
1/23/2017	<0.025	
3/28/2017	<0.025 (*)	
9/29/2017	0.0003 (J)	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/15/2019		<0.025
9/11/2019		0.000535 (JD)
3/9/2020		0.00035 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.025	
5/18/2016	<0.025	
7/28/2016	0.0007 (J)	
9/21/2016	0.0018 (J)	
11/7/2016	<0.025	
1/24/2017	<0.025	
3/30/2017	0.0003 (J)	
9/29/2017	<0.025	
3/15/2018	<0.025	
9/14/2018	<0.025	
3/19/2019		<0.025
9/11/2019		0.00021 (J)
3/9/2020		0.00035 (J)

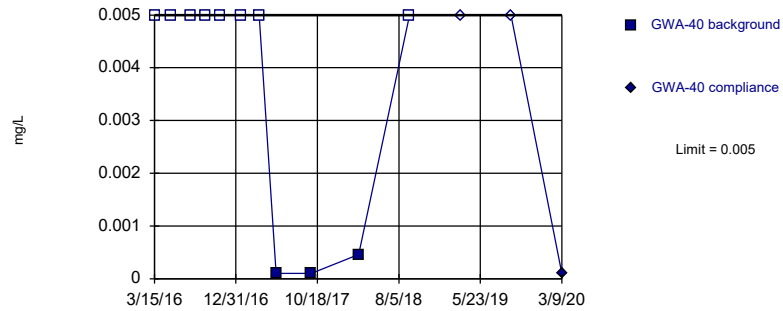
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
6/7/2017	8E-05 (J)	
9/26/2017	0.0002 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019		<0.005
9/9/2019		<0.005
3/9/2020		5.5E-05 (J)

Within Limit

Prediction Limit Intrawell Non-parametric

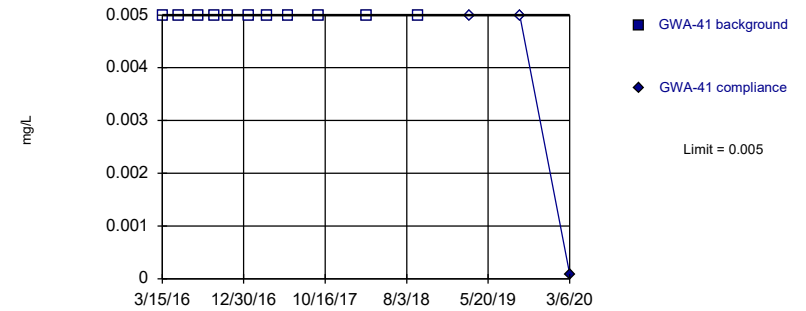


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

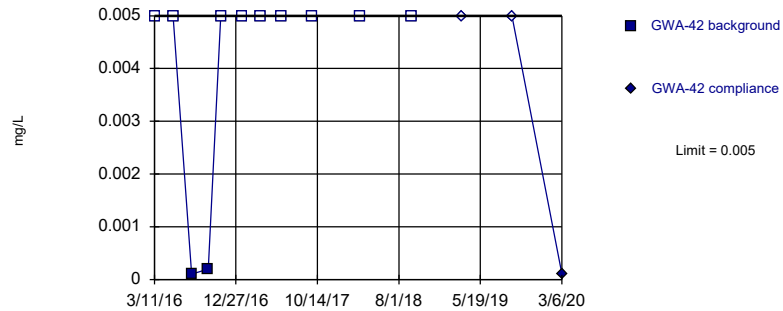


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

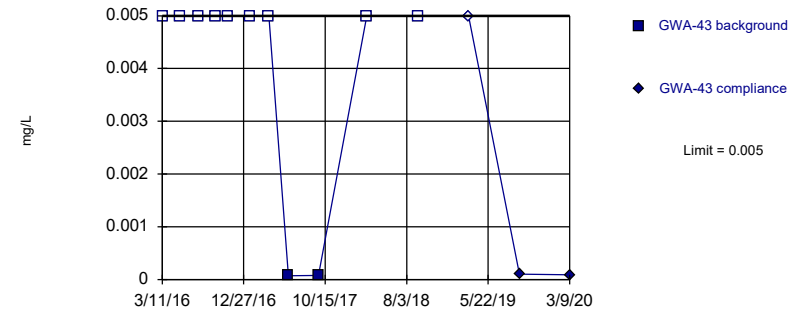


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005 (*)	
5/24/2017	0.0001 (J)	
9/26/2017	0.0001 (J)	
3/14/2018	0.00046 (J)	
9/12/2018	<0.005	
3/13/2019		<0.005
9/9/2019		<0.005
3/9/2020		9.5E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/18/2017	<0.005	
3/24/2017	<0.005	
6/6/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019		<0.005
9/10/2019		<0.005 (D)
3/6/2020		9.1E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	0.0001 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
9/10/2019		<0.005
3/6/2020		0.00011 (J)

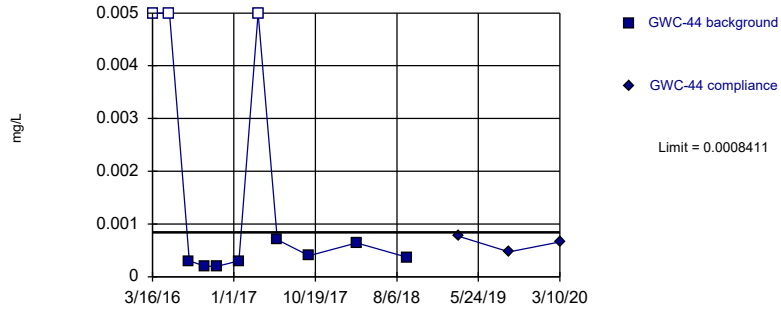
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	7E-05 (J)	
9/22/2017	8E-05 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019		<0.005
9/11/2019		0.0001 (J)
3/9/2020		9.1E-05 (J)

Within Limit

Prediction Limit
Intrawell Parametric

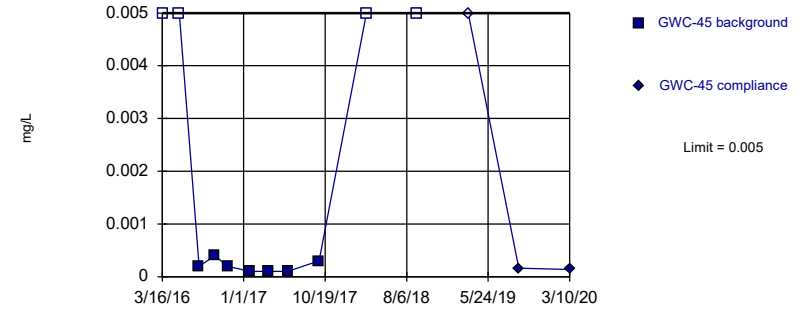


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.001, Std. Dev.=0.4762, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7955, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

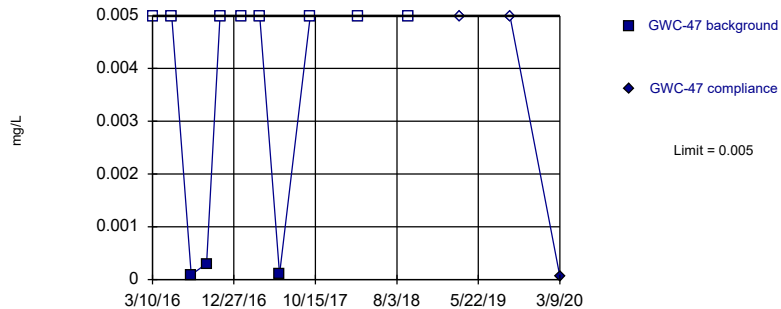


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

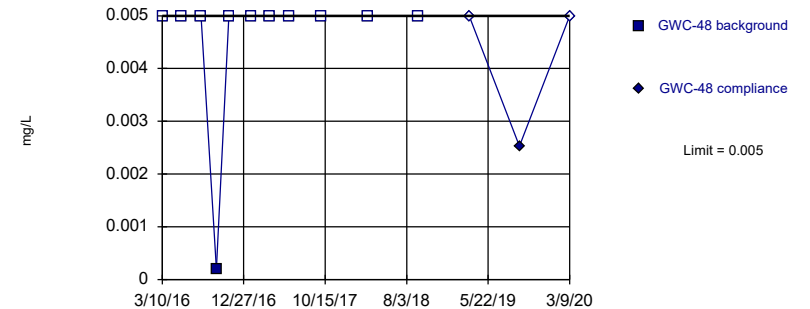


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0003 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	0.0002 (J)	
1/19/2017	0.0003 (J)	
3/28/2017	<0.005 (*)	
6/5/2017	0.0007 (J)	
9/26/2017	0.0004 (J)	
3/15/2018	0.00064 (J)	
9/12/2018	0.00037 (J)	
3/14/2019		0.00077 (J)
9/11/2019		0.00047 (J)
3/10/2020		0.00066 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0002 (J)	
9/19/2016	0.0004 (J)	
11/4/2016	0.0002 (J)	
1/23/2017	0.0001 (J)	
3/29/2017	0.0001 (J)	
6/7/2017	0.0001 (J)	
9/27/2017	0.0003 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019		<0.005
9/11/2019		0.00016 (J)
3/10/2020		0.00014 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	9E-05 (J)	
9/20/2016	0.0003 (J)	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.0001 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019		<0.005
9/12/2019		<0.005
3/9/2020		5.8E-05 (J)

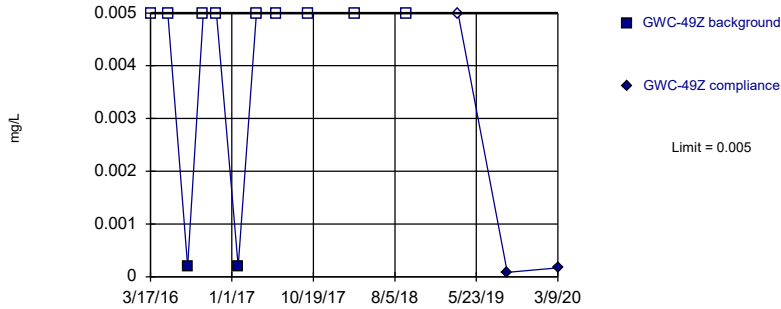
Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.005	
5/17/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.0002 (J)	
11/4/2016	<0.005	
1/23/2017	<0.005	
3/28/2017	<0.005 (*)	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019		<0.005
9/11/2019		0.002529 (D)
3/9/2020		<0.005

Within Limit

Prediction Limit Intrawell Non-parametric

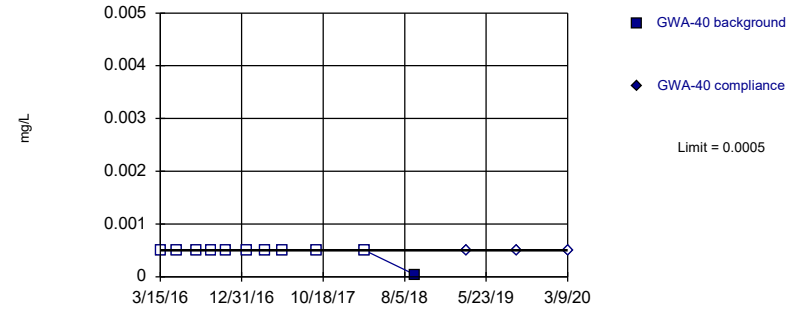


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

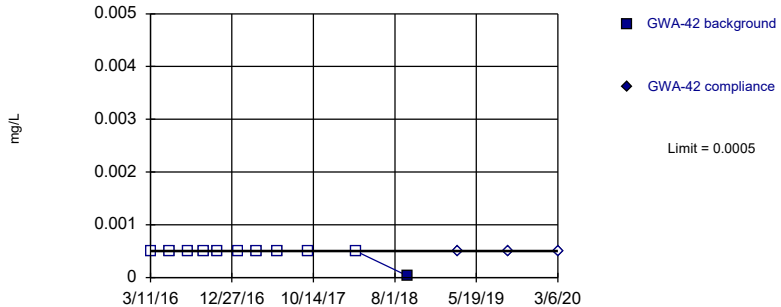


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

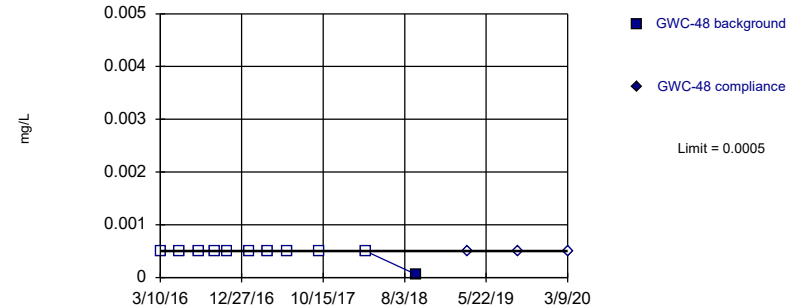


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.005	
5/18/2016	<0.005	
7/28/2016	0.0002 (J)	
9/21/2016	<0.005 (*)	
11/7/2016	<0.005	
1/24/2017	0.0002 (J)	
3/30/2017	<0.005	
6/9/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019		<0.005
9/11/2019		8.2E-05 (J)
3/9/2020		0.00017 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.0005	
5/11/2016	<0.0005	
7/21/2016	<0.0005	
9/15/2016	<0.0005	
11/3/2016	<0.0005	
1/17/2017	<0.0005	
3/24/2017	<0.0005	
5/24/2017	<0.0005	
9/26/2017	<0.0005	
3/14/2018	<0.0005	
9/12/2018	3.8E-05 (J)	
3/13/2019		<0.0005
9/9/2019		<0.0005
3/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.0005	
5/16/2016	<0.0005	
7/22/2016	<0.0005	
9/19/2016	<0.0005	
11/3/2016	<0.0005	
1/17/2017	<0.0005	
3/27/2017	<0.0005	
6/7/2017	<0.0005	
9/26/2017	<0.0005	
3/14/2018	<0.0005	
9/14/2018	3.8E-05 (J)	
3/14/2019		<0.0005
9/10/2019		<0.0005
3/6/2020		<0.0005

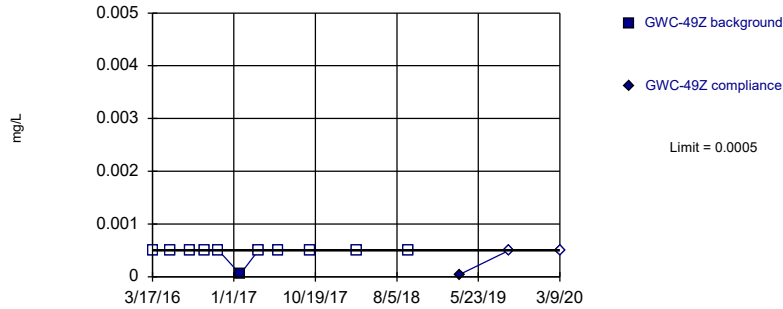
Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.0005	
5/17/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	<0.0005	
11/4/2016	<0.0005	
1/23/2017	<0.0005	
3/28/2017	<0.0005	
6/8/2017	<0.0005	
9/29/2017	<0.0005	
3/15/2018	<0.0005	
9/13/2018	6.2E-05 (J)	
3/15/2019		<0.0005
9/11/2019		<0.0005 (D)
3/9/2020		<0.0005

Within Limit

Prediction Limit
 Intrawell Non-parametric

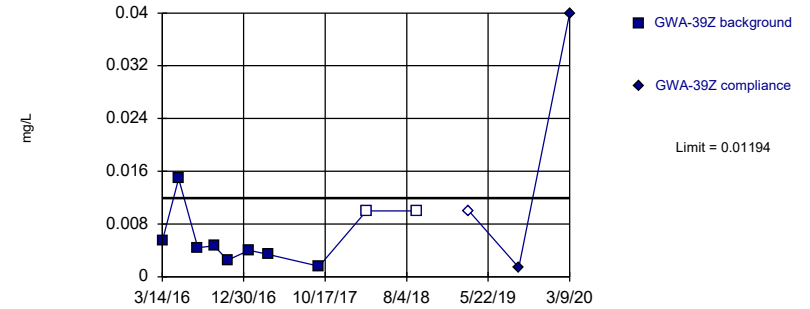


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
 Intrawell Parametric

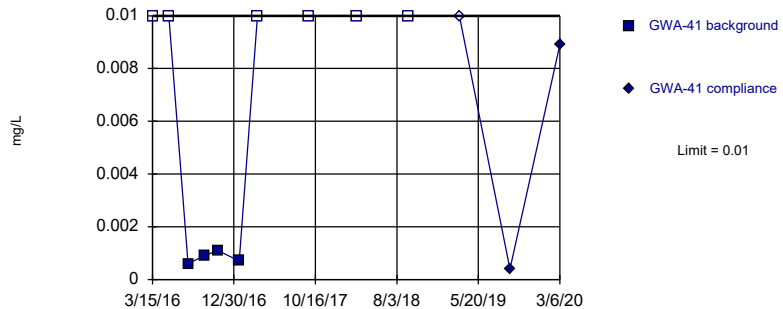


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004838, Std. Dev.=0.00355, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8664, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

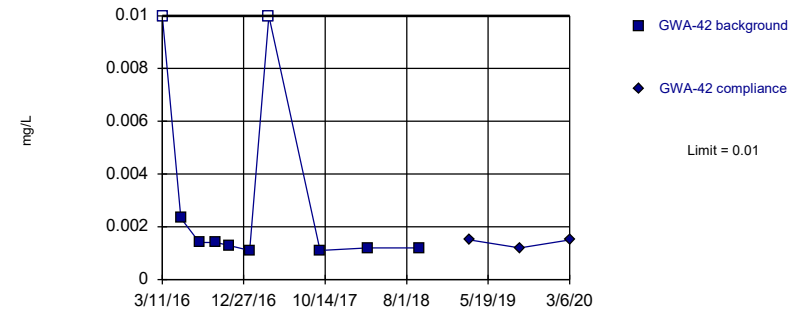


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 20% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.0005	
5/18/2016	<0.0005	
7/28/2016	<0.0005	
9/21/2016	<0.0005	
11/7/2016	<0.0005	
1/24/2017	5E-05 (J)	
3/30/2017	<0.0005 (*)	
6/9/2017	<0.0005	
9/29/2017	<0.0005	
3/15/2018	<0.0005	
9/14/2018	<0.0005	
3/19/2019		4.5E-05 (J)
9/11/2019		<0.0005
3/9/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	0.00544 (J)	
5/11/2016	0.0149	
7/19/2016	0.0044 (J)	
9/15/2016	0.0047 (J)	
11/2/2016	0.0025 (J)	
1/18/2017	0.004 (J)	
3/28/2017	0.0034 (J)	
9/26/2017	0.0016 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/15/2019		<0.01
9/9/2019		0.0014 (J)
3/9/2020		0.04

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.01	
5/12/2016	<0.01	
7/20/2016	0.0006 (J)	
9/15/2016	0.0009 (J)	
11/3/2016	0.0011 (J)	
1/18/2017	0.0007 (J)	
3/24/2017	<0.01 (*)	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/10/2019		0.0004 (JD)
3/6/2020		0.0089 (J)

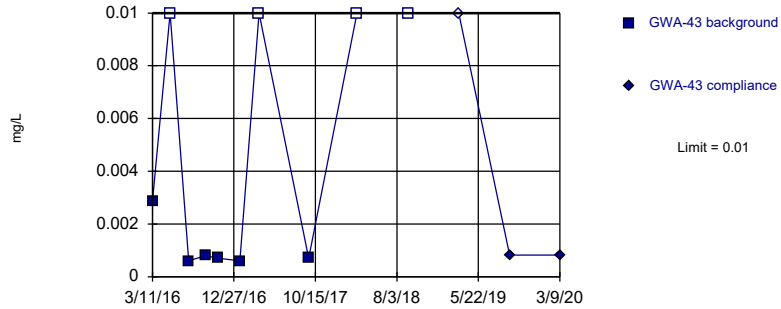
Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.01	
5/16/2016	0.00233 (J)	
7/22/2016	0.0014 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/17/2017	0.0011 (J)	
3/27/2017	<0.01 (*)	
9/26/2017	0.0011 (J)	
3/14/2018	0.0012 (J)	
9/14/2018	0.0012 (J)	
3/14/2019		0.0015 (J)
9/10/2019		0.0012 (J)
3/6/2020		0.0015 (J)

Within Limit

Prediction Limit
 Intrawell Non-parametric

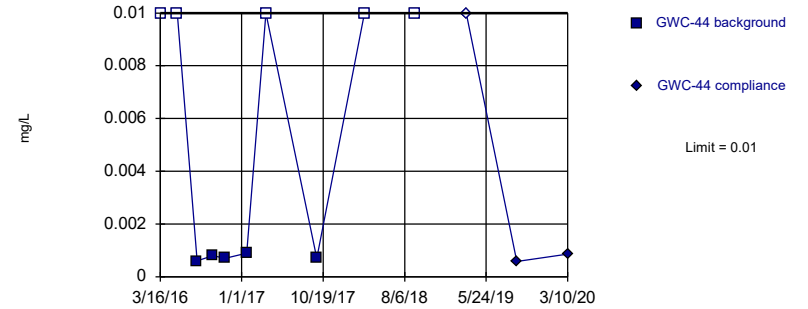


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 40% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

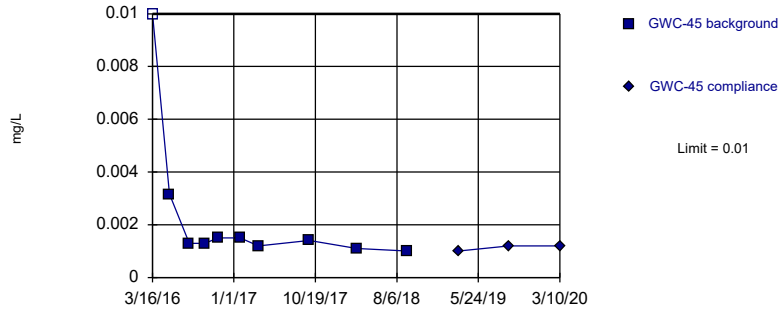


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

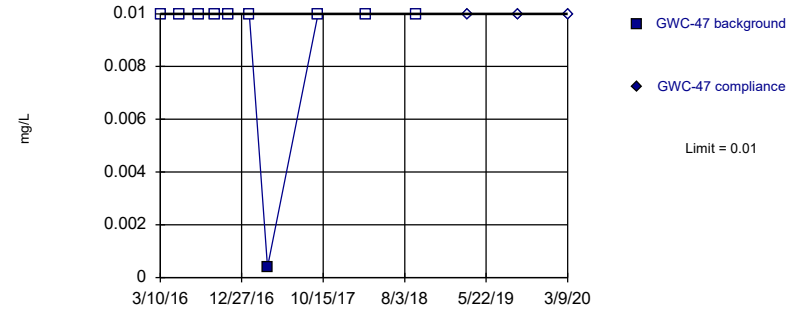


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 10% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.00288 (J)	
5/13/2016	<0.01	
7/19/2016	0.0006 (J)	
9/16/2016	0.0008 (J)	
11/2/2016	0.0007 (J)	
1/18/2017	0.0006 (J)	
3/28/2017	<0.01 (*)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		0.00082 (J)
3/9/2020		0.00082 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	0.0006 (J)	
9/19/2016	0.0008 (J)	
11/3/2016	0.0007 (J)	
1/19/2017	0.0009 (J)	
3/28/2017	<0.01 (*)	
9/26/2017	0.0007 (J)	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/11/2019		0.00058 (J)
3/10/2020		0.00086 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	0.00316 (J)	
7/25/2016	0.0013 (J)	
9/19/2016	0.0013 (J)	
11/4/2016	0.0015 (J)	
1/23/2017	0.0015 (J)	
3/29/2017	0.0012 (J)	
9/27/2017	0.0014 (J)	
3/15/2018	0.0011 (J)	
9/13/2018	0.001 (J)	
3/14/2019		0.001 (J)
9/11/2019		0.0012 (J)
3/10/2020		0.0012 (J)

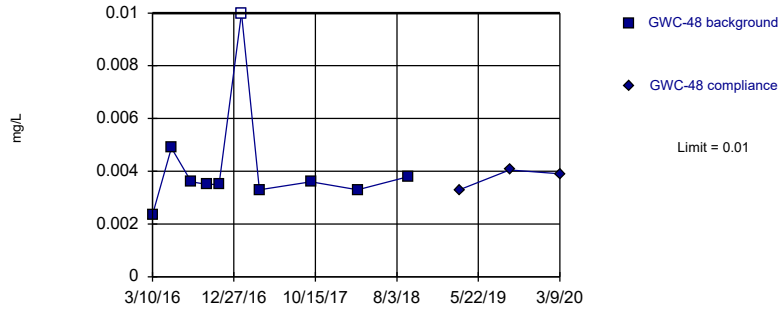
Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/20/2016	<0.01	
11/7/2016	<0.01	
1/23/2017	<0.01	
3/29/2017	0.0004 (J)	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019		<0.01
9/12/2019		<0.01
3/9/2020		<0.01

Within Limit

Prediction Limit
Intrawell Non-parametric

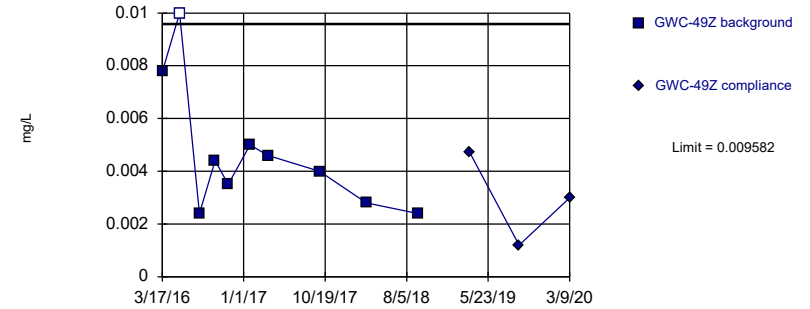


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 10% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

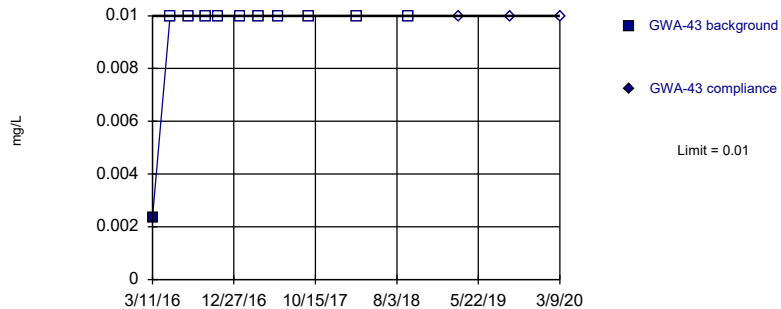


Background Data Summary: Mean=0.004688, Std. Dev.=0.002447, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8465, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Nickel Analysis Run 4/17/2020 7:06 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

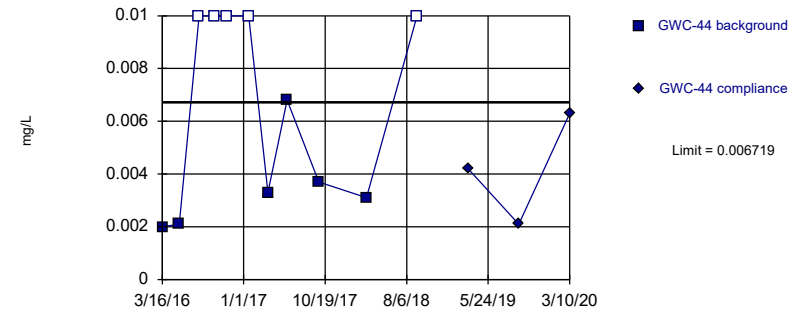


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05783, Std. Dev.=0.01249, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7929, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Selenium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.00235 (J)	
5/17/2016	0.00489 (J)	
7/27/2016	0.0036 (J)	
9/20/2016	0.0035 (J)	
11/4/2016	0.0035 (J)	
1/23/2017	<0.01	
3/28/2017	0.0033 (J)	
9/29/2017	0.0036 (J)	
3/15/2018	0.0033 (J)	
9/13/2018	0.0038 (J)	
3/15/2019		0.0033 (J)
9/11/2019		0.00405 (JD)
3/9/2020		0.0039 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	0.00778 (J)	
5/18/2016	<0.01	
7/28/2016	0.0024 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0035 (J)	
1/24/2017	0.005 (J)	
3/30/2017	0.0046 (J)	
9/29/2017	0.004 (J)	
3/15/2018	0.0028 (J)	
9/14/2018	0.0024 (J)	
3/19/2019		0.0047 (J)
9/11/2019		0.0012 (J)
3/9/2020		0.003 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.00236 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
6/6/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		<0.01
3/9/2020		<0.01

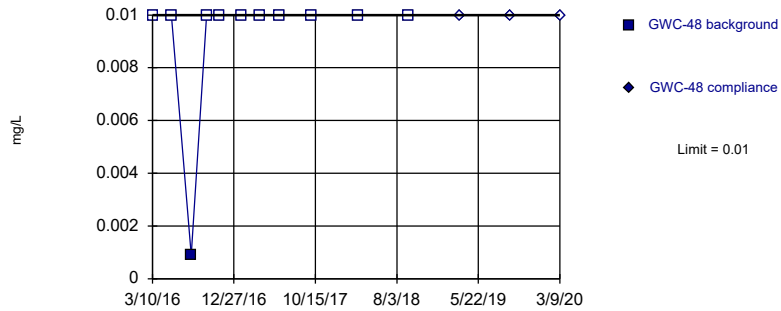
Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	0.002 (J)	
5/16/2016	0.0021 (J)	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/19/2017	<0.01	
3/28/2017	0.0033 (J)	
6/5/2017	0.0068 (J)	
9/26/2017	0.0037 (J)	
3/15/2018	0.0031 (J)	
9/12/2018	<0.01	
3/14/2019		0.0042 (J)
9/11/2019		0.0021 (J)
3/10/2020		0.0063 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

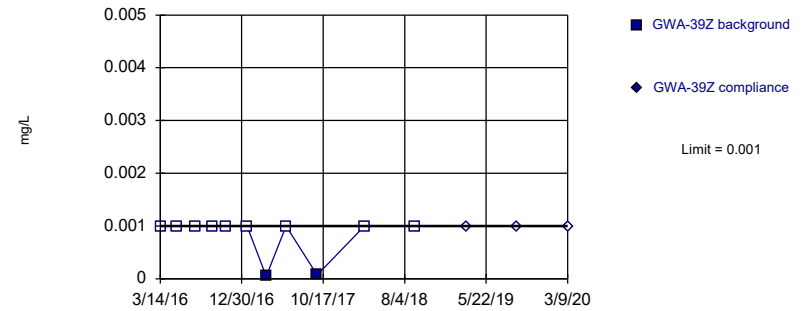


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

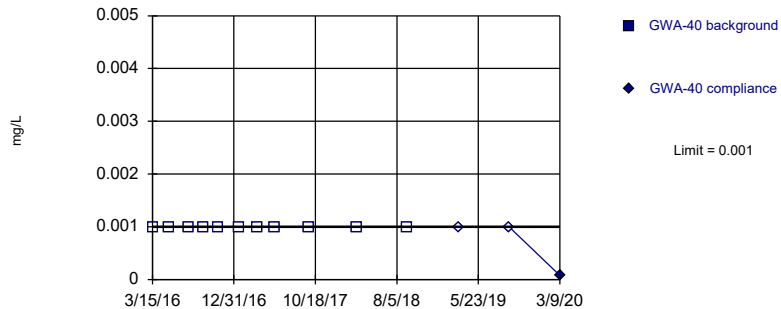


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

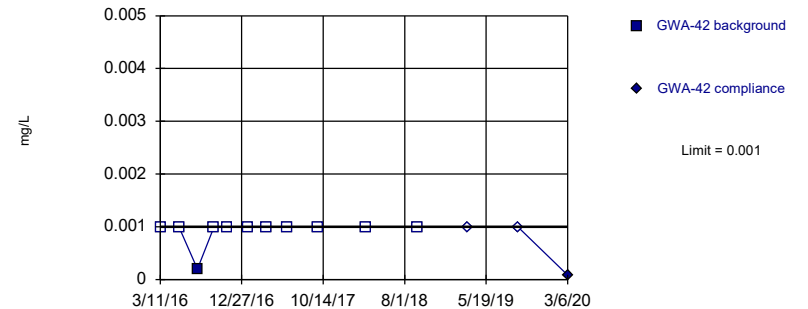


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.01	
5/17/2016	<0.01	
7/27/2016	0.0009 (J)	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/23/2017	<0.01	
3/28/2017	<0.01	
6/8/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019		<0.01
9/11/2019		<0.01 (D)
3/9/2020		<0.01

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.001	
5/11/2016	<0.001	
7/19/2016	<0.001 (*)	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	5E-05 (J)	
6/7/2017	<0.001	
9/26/2017	7E-05 (J)	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/15/2019		<0.001
9/9/2019		<0.001
3/9/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.001	
5/11/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/24/2017	<0.001	
5/24/2017	<0.001	
9/26/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/13/2019		<0.001
9/9/2019		<0.001
3/9/2020		7.8E-05 (J)

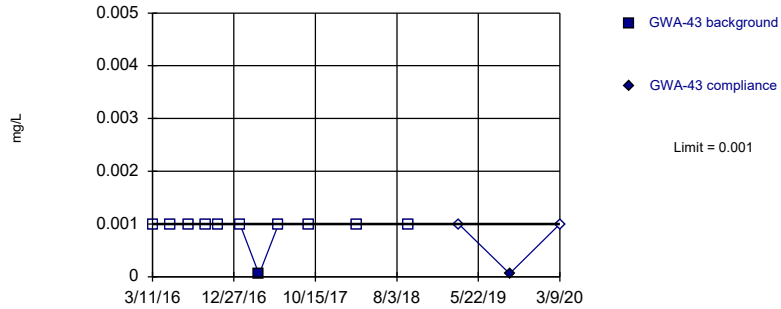
Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.001	
5/16/2016	<0.001	
7/22/2016	0.0002 (J)	
9/19/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/7/2017	<0.001	
9/26/2017	<0.001	
3/14/2018	<0.001	
9/14/2018	<0.001	
3/14/2019		<0.001
9/10/2019		<0.001
3/6/2020		8.6E-05 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

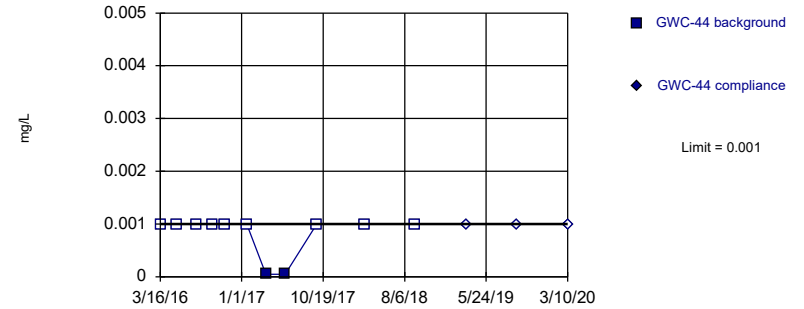


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

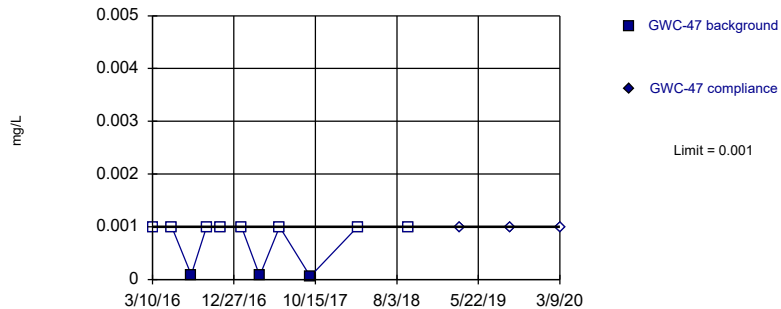


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

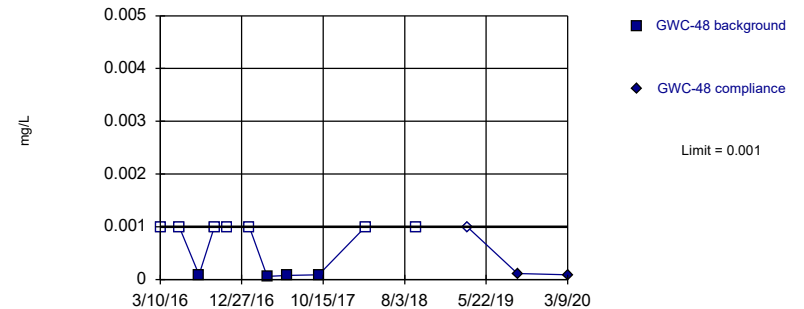


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.001	
5/13/2016	<0.001	
7/19/2016	<0.001 (*)	
9/16/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	5E-05 (J)	
6/6/2017	<0.001	
9/22/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/13/2019		<0.001
9/11/2019		6.2E-05 (J)
3/9/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.001	
5/16/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/3/2016	<0.001	
1/19/2017	<0.001	
3/28/2017	5E-05 (J)	
6/5/2017	5E-05 (J)	
9/26/2017	<0.001	
3/15/2018	<0.001	
9/12/2018	<0.001	
3/14/2019		<0.001
9/11/2019		<0.001
3/10/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:09 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	<0.001	
11/7/2016	<0.001	
1/23/2017	<0.001	
3/29/2017	7E-05 (J)	
6/8/2017	<0.001	
9/27/2017	6E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019		<0.001
9/12/2019		<0.001
3/9/2020		<0.001

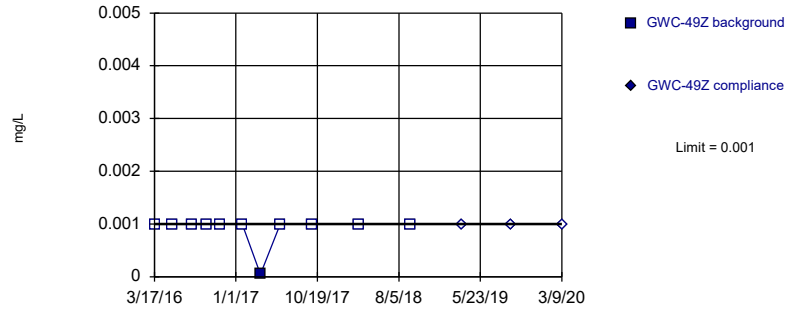
Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.001	
5/17/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	<0.001	
11/4/2016	<0.001	
1/23/2017	<0.001	
3/28/2017	6E-05 (J)	
6/8/2017	8E-05 (J)	
9/29/2017	9E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019		<0.001
9/11/2019		0.000115 (JD)
3/9/2020		9E-05 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

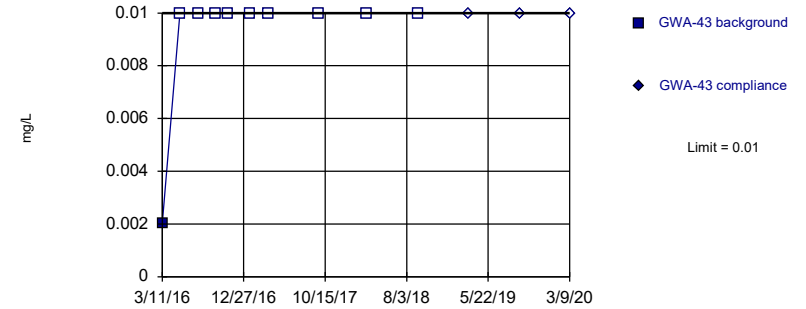


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

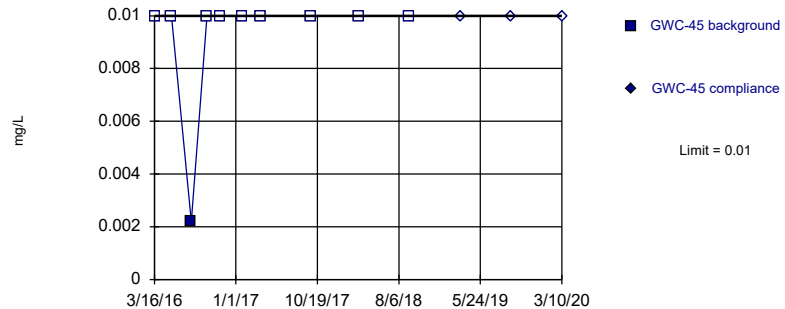


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

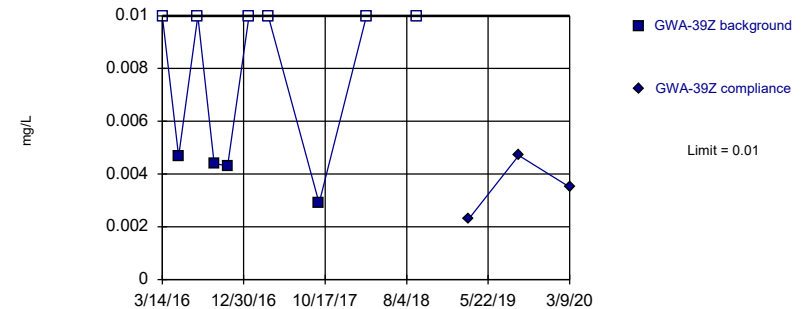


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.001	
5/18/2016	<0.001	
7/28/2016	<0.001	
9/21/2016	<0.001	
11/7/2016	<0.001	
1/24/2017	<0.001	
3/30/2017	5E-05 (J)	
6/9/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/14/2018	<0.001	
3/19/2019		<0.001
9/11/2019		<0.001
3/9/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.00204 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		<0.01
3/9/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	0.0022 (J)	
9/19/2016	<0.01	
11/4/2016	<0.01	
1/23/2017	<0.01	
3/29/2017	<0.01	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019		<0.01
9/11/2019		<0.01
3/10/2020		<0.01

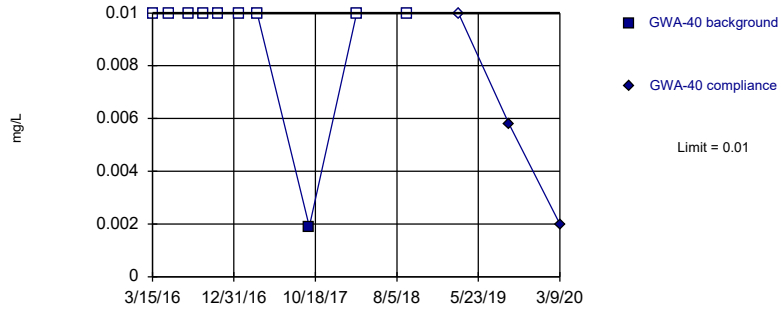
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.01	
5/11/2016	0.00467 (J)	
7/19/2016	<0.01 (*)	
9/15/2016	0.0044 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.01 (*)	
3/28/2017	<0.01 (*)	
9/26/2017	0.0029 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/15/2019		0.0023 (J)
9/9/2019		0.0047 (J)
3/9/2020		0.0035 (J)

Within Limit

Prediction Limit
Intrawell Non-parametric

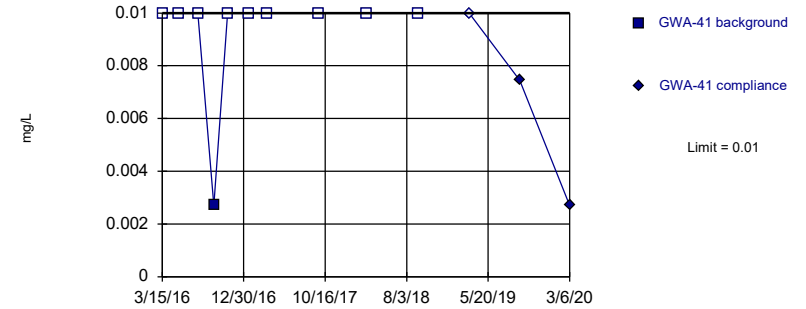


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

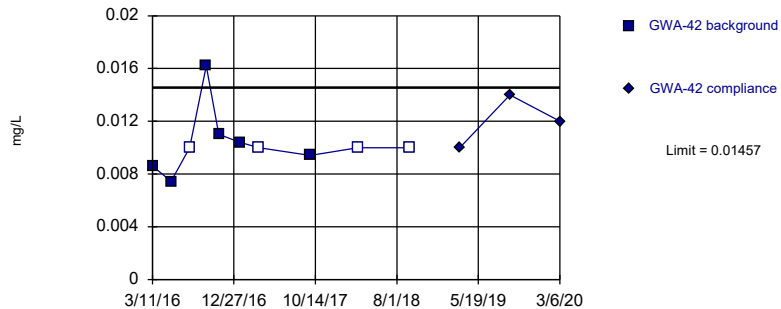


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

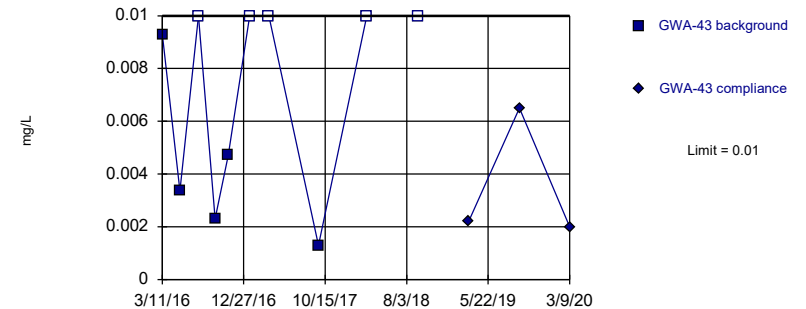


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.09783, Std. Dev.=0.01143, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8081, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.01	
5/11/2016	<0.01	
7/21/2016	<0.01 (*)	
9/15/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/24/2017	<0.01 (*)	
9/26/2017	0.0019 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/9/2019		0.0058 (J)
3/9/2020		0.002 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.01	
5/12/2016	<0.01	
7/20/2016	<0.01	
9/15/2016	0.0027 (J)	
11/3/2016	<0.01	
1/18/2017	<0.01 (*)	
3/24/2017	<0.01 (*)	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/10/2019		0.00745 (JD)
3/6/2020		0.0027 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	0.00862 (J)	
5/16/2016	0.00744 (J)	
7/22/2016	<0.01 (*)	
9/19/2016	0.0162	
11/3/2016	0.011	
1/17/2017	0.0104	
3/27/2017	<0.01 (*)	
9/26/2017	0.0094 (J)	
3/14/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		0.01
9/10/2019		0.014
3/6/2020		0.012

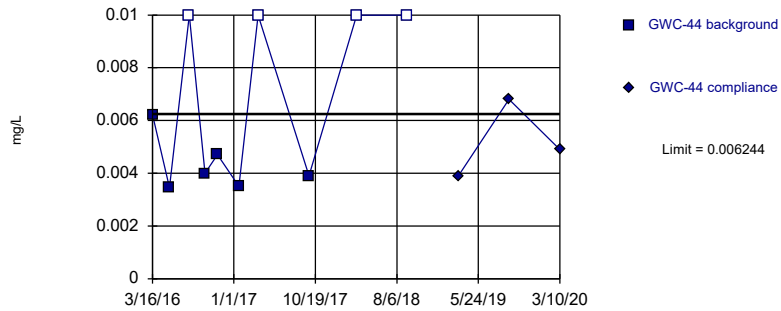
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.0093 (J)	
5/13/2016	0.00336 (J)	
7/19/2016	<0.01 (*)	
9/16/2016	0.0023 (J)	
11/2/2016	0.0047 (J)	
1/18/2017	<0.01	
3/28/2017	<0.01 (*)	
9/22/2017	0.0013 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		0.0022 (J)
9/11/2019		0.0065 (J)
3/9/2020		0.002 (J)

Within Limit

Prediction Limit
Intrawell Parametric

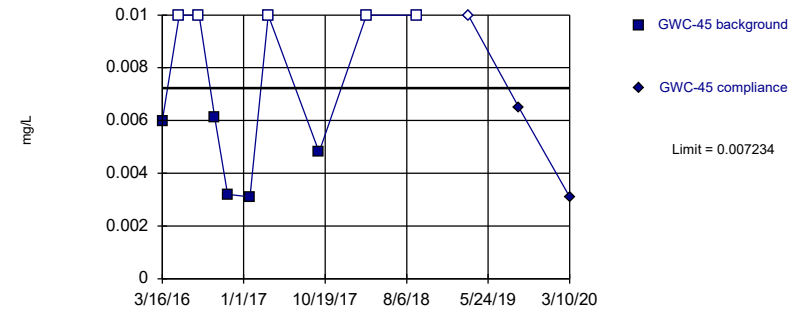


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06517, Std. Dev.=0.006924, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7836, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

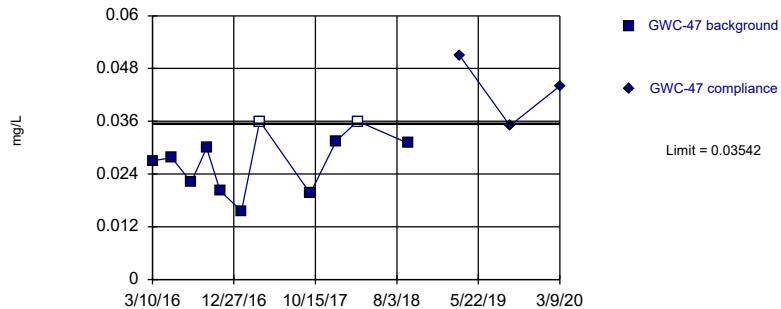


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004638, Std. Dev.=0.001298, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7885, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

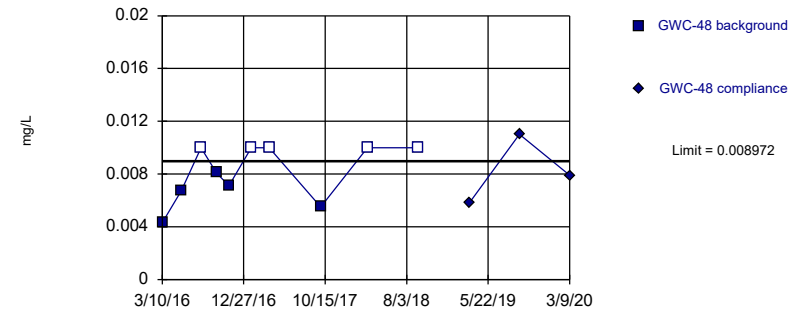


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.02497, Std. Dev.=0.005411, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9437, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.006348, Std. Dev.=0.001312, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8225, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	0.00622 (J)	
5/16/2016	0.00345 (J)	
7/25/2016	<0.01 (*)	
9/19/2016	0.004 (J)	
11/3/2016	0.0047 (J)	
1/19/2017	0.0035 (J)	
3/28/2017	<0.01 (*)	
9/26/2017	0.0039 (J)	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		0.0039 (J)
9/11/2019		0.0068 (J)
3/10/2020		0.0049 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.00599 (J)	
5/16/2016	<0.01	
7/25/2016	<0.01 (*)	
9/19/2016	0.0061 (J)	
11/4/2016	0.0032 (J)	
1/23/2017	0.0031 (J)	
3/29/2017	<0.01 (*)	
9/27/2017	0.0048 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019		<0.01
9/11/2019		0.0065 (J)
3/10/2020		0.0031 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	0.027	
5/18/2016	0.0277	
7/27/2016	0.0221	
9/20/2016	0.03	
11/7/2016	0.0202	
1/23/2017	0.0156	
3/29/2017	<0.036 (*)	
9/27/2017	0.0196	
12/28/2017	0.0315 (Y)	
3/15/2018	<0.036	
9/13/2018	0.031	
3/15/2019		0.051
9/12/2019		0.035
3/9/2020		0.044

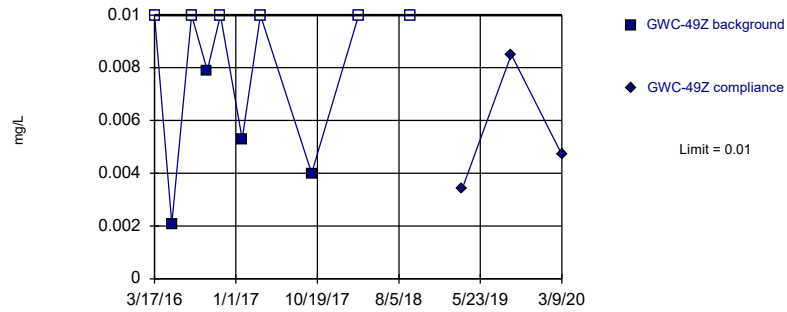
Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.00432 (J)	
5/17/2016	0.00672 (J)	
7/27/2016	<0.01 (*)	
9/20/2016	0.0081 (J)	
11/4/2016	0.0071 (J)	
1/23/2017	<0.01	
3/28/2017	<0.01 (*)	
9/29/2017	0.0055 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019		0.0058 (J)
9/11/2019		0.011 (D)
3/9/2020		0.0079 (J)

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 4/17/2020 7:07 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/17/2020 7:10 AM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.01	
5/18/2016	0.00208 (J)	
7/28/2016	<0.01 (*)	
9/21/2016	0.0079 (J)	
11/7/2016	<0.01 (*)	
1/24/2017	0.0053 (J)	
3/30/2017	<0.01 (*)	
9/29/2017	0.004 (J)	
3/15/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		0.0034 (J)
9/11/2019		0.0085 (J)
3/9/2020		0.0047 (J)

FIGURE F.

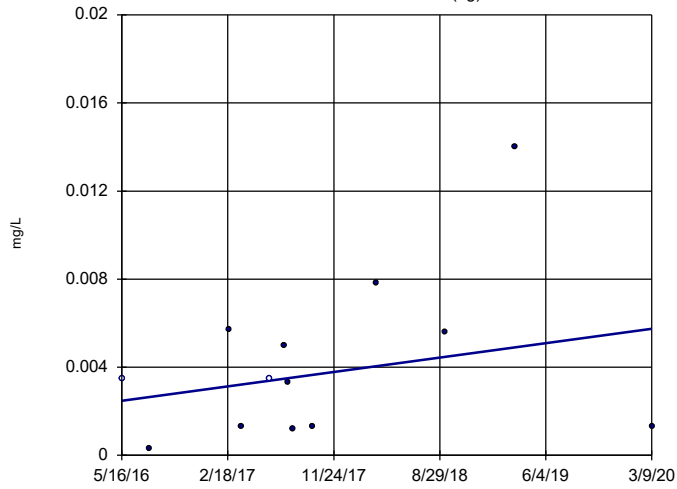
Trend Test Summary - Bedrock State Parameters

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/16/2020, 3:53 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	GWA-39RZ (bg)	0.0008599	14	39	No	13	15.38	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-41R (bg)	0	6	44	No	14	64.29	n/a	n/a	0.02	NP
Antimony (mg/L)	GWA-43R (bg)	0	-31	-44	No	14	64.29	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-39RZ (bg)	0.000514	20	39	No	13	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-41R (bg)	0.002928	18	44	No	14	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWA-43R (bg)	-0.00008276	-11	-44	No	14	0	n/a	n/a	0.02	NP
Barium (mg/L)	GWC-49R	0.0001077	1	44	No	14	7.143	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-39RZ (bg)	-0.0003074	-10	-23	No	9	44.44	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-41R (bg)	0	-20	-39	No	13	61.54	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-43R (bg)	-0.0007962	-19	-39	No	13	38.46	n/a	n/a	0.02	NP
Zinc (mg/L)	GWC-47R	0.0002316	3	39	No	13	15.38	n/a	n/a	0.02	NP

Sen's Slope Estimator

GWA-39RZ (bg)

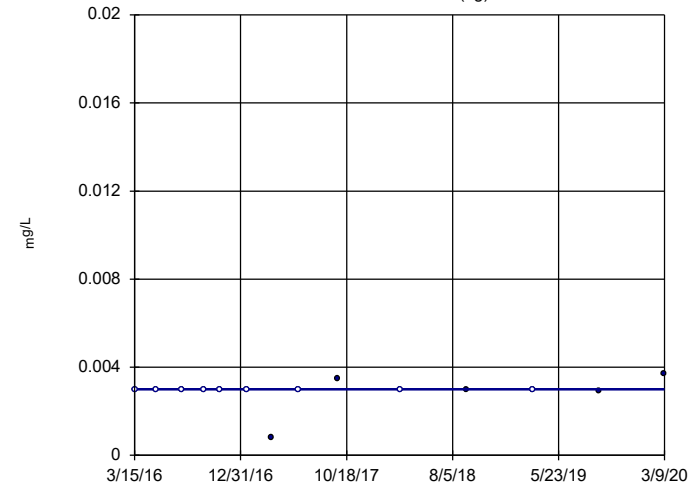


n = 13
 Slope = 0.0008599
 units per year.
 Mann-Kendall
 statistic = 14
 critical = 39
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Antimony Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedanc
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41R (bg)

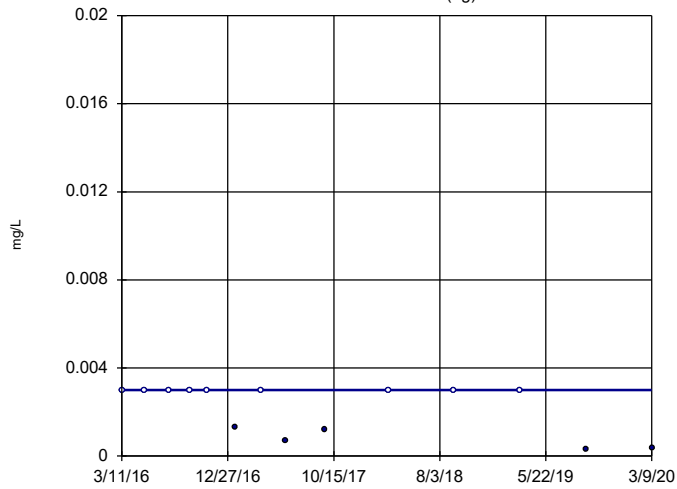


n = 14
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 6
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Antimony Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedanc
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43R (bg)

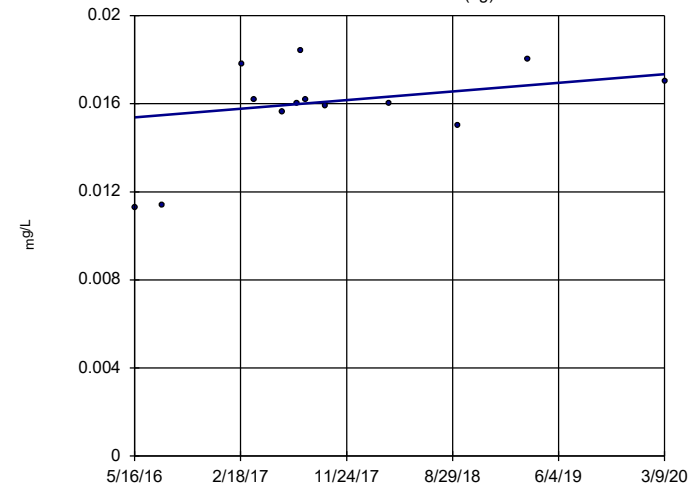


n = 14
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = -31
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Antimony Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedanc
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-39RZ (bg)

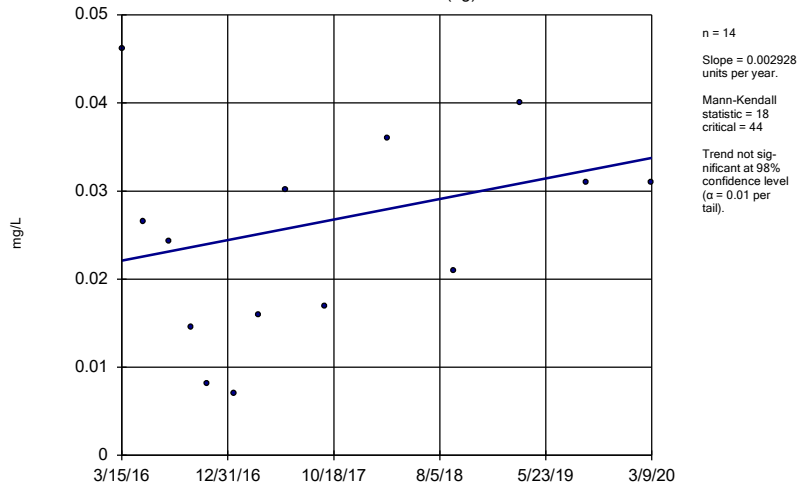


n = 13
 Slope = 0.000514
 units per year.
 Mann-Kendall
 statistic = 20
 critical = 39
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Barium Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedances
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

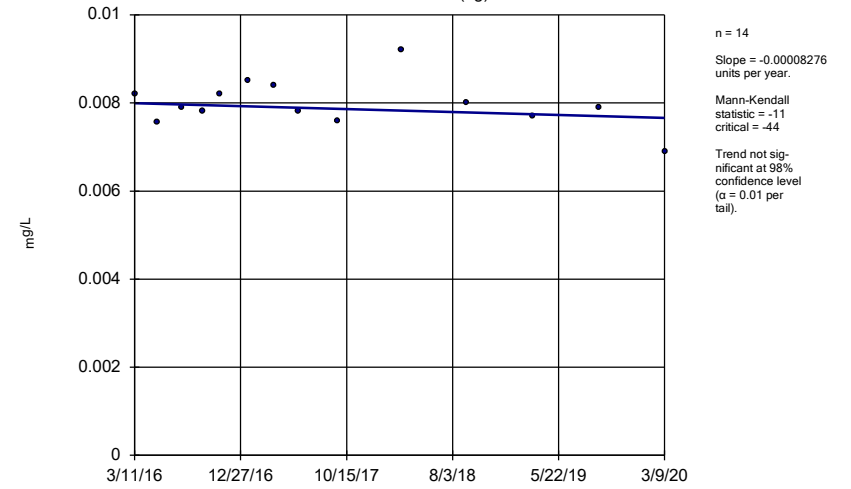
GWA-41R (bg)



Constituent: Barium Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

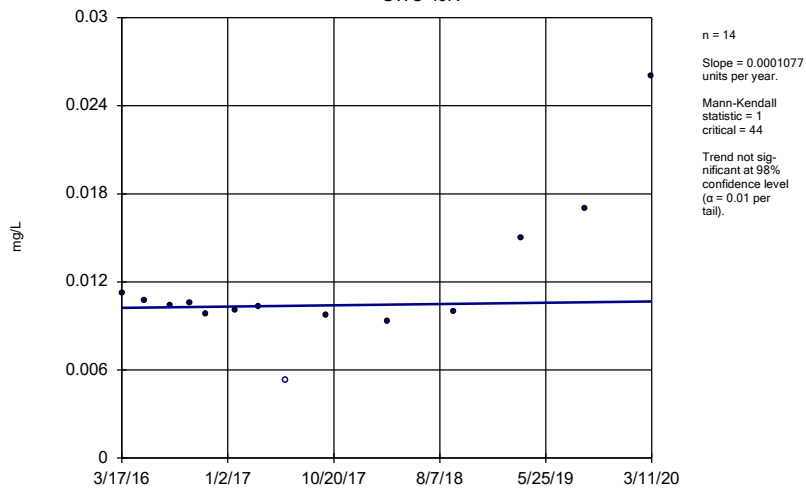
GWA-43R (bg)



Constituent: Barium Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

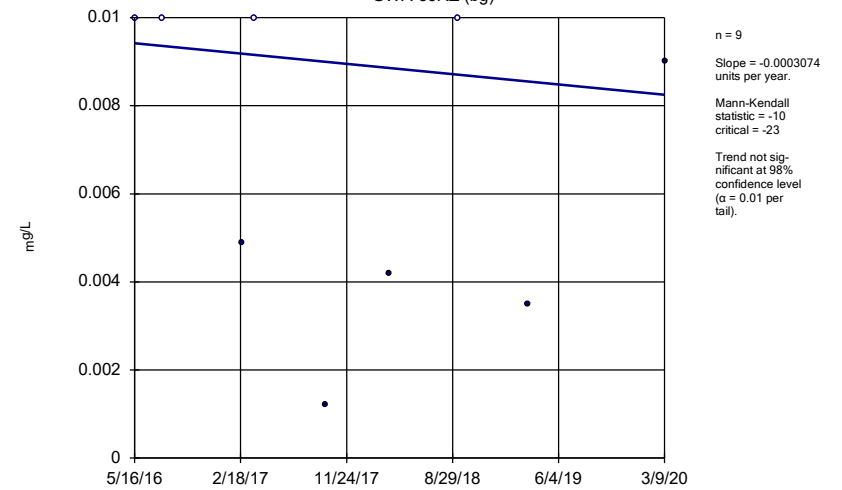
GWC-49R



Constituent: Barium Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

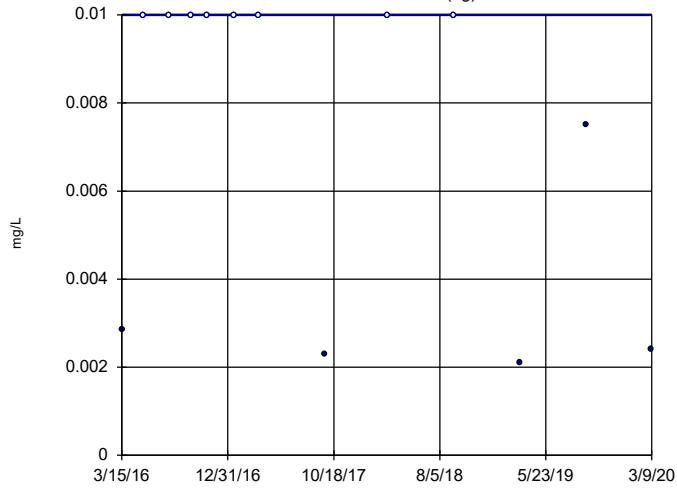
GWA-39RZ (bg)



Constituent: Zinc Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41R (bg)

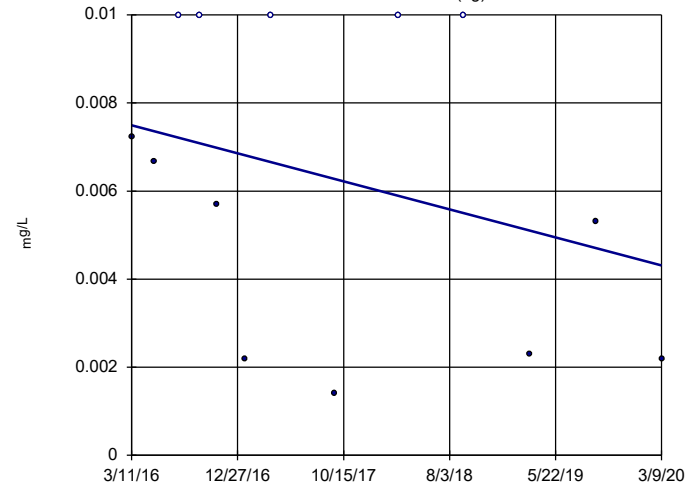


n = 13
Slope = 0
units per year.
Mann-Kendall
statistic = -20
critical = -39
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Zinc Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43R (bg)

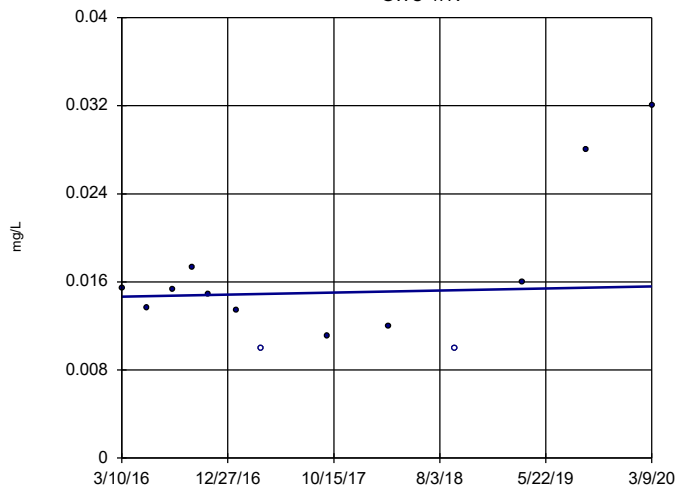


n = 13
Slope = -0.0007962
units per year.
Mann-Kendall
statistic = -19
critical = -39
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Zinc Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWC-47R



n = 13
Slope = 0.0002316
units per year.
Mann-Kendall
statistic = 3
critical = 39
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Zinc Analysis Run 4/16/2020 3:52 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

FIGURE G.

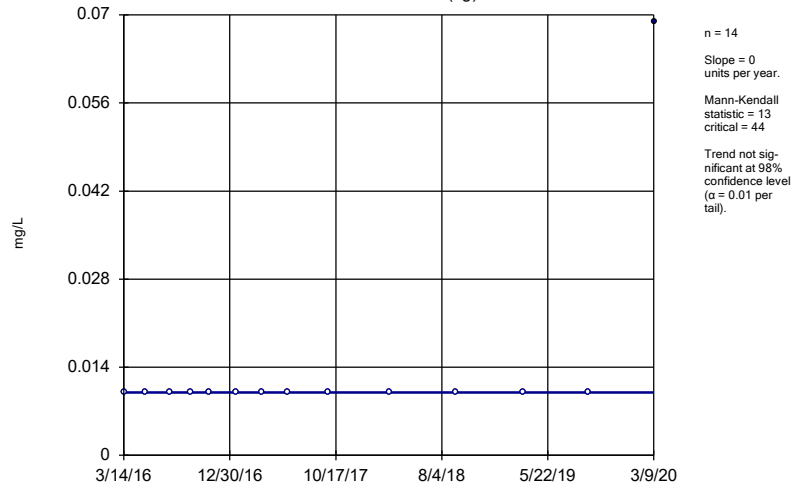
Trend Test Summary - Overburden State Parameters

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/16/2020, 3:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chromium (mg/L)	GWA-39Z (bg)	0	13	44	No	14	92.86	n/a	n/a	0.02	NP
Chromium (mg/L)	GWA-40 (bg)	0	-16	-44	No	14	78.57	n/a	n/a	0.02	NP
Chromium (mg/L)	GWA-41 (bg)	0	13	44	No	14	92.86	n/a	n/a	0.02	NP
Chromium (mg/L)	GWA-42 (bg)	0	-13	-44	No	14	92.86	n/a	n/a	0.02	NP
Chromium (mg/L)	GWA-43 (bg)	0	-24	-44	No	14	71.43	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-39Z (bg)	0	-1	-39	No	13	23.08	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-40 (bg)	0	0	39	No	13	100	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-41 (bg)	0	1	39	No	13	53.85	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-42 (bg)	-0.0000969	-19	-39	No	13	15.38	n/a	n/a	0.02	NP
Nickel (mg/L)	GWA-43 (bg)	0	11	39	No	13	38.46	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-39Z (bg)	-0.000282	-19	-39	No	13	46.15	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-40 (bg)	0	-23	-39	No	13	76.92	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-41 (bg)	0	-16	-39	No	13	76.92	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-42 (bg)	0.0005299	20	39	No	13	30.77	n/a	n/a	0.02	NP
Zinc (mg/L)	GWA-43 (bg)	-0.0000201	-10	-39	No	13	38.46	n/a	n/a	0.02	NP
Zinc (mg/L)	GWC-47	0.004277	40	44	No	14	14.29	n/a	n/a	0.02	NP

Sen's Slope Estimator

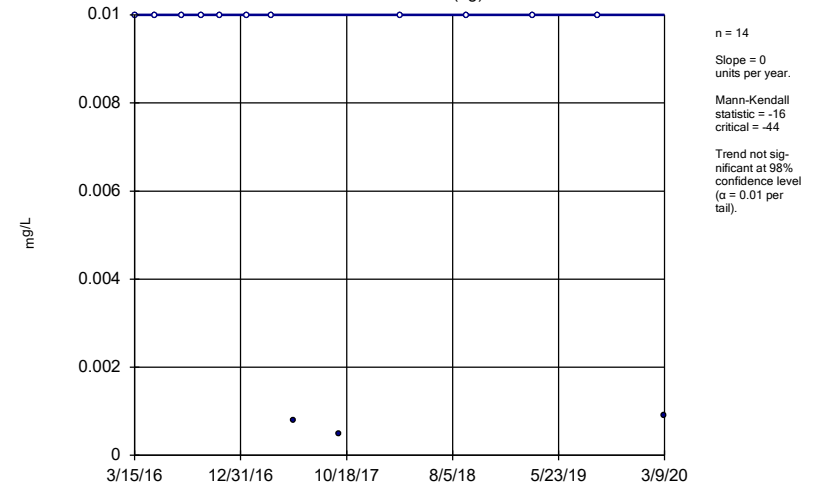
GWA-39Z (bg)



Constituent: Chromium Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

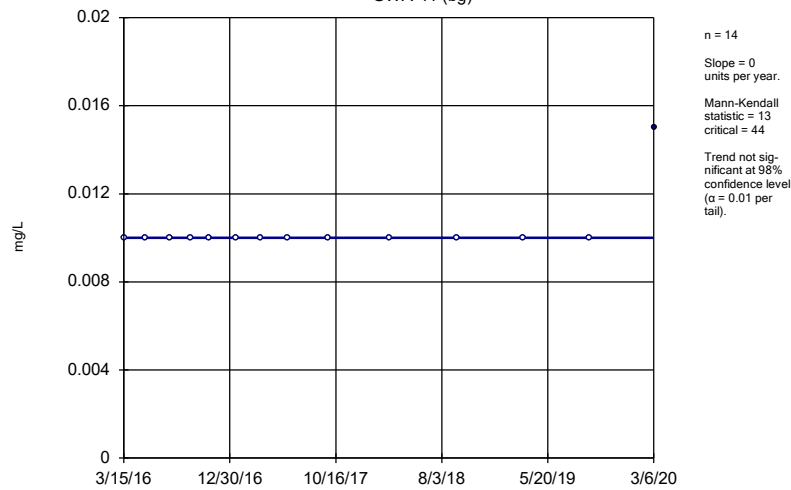
GWA-40 (bg)



Constituent: Chromium Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

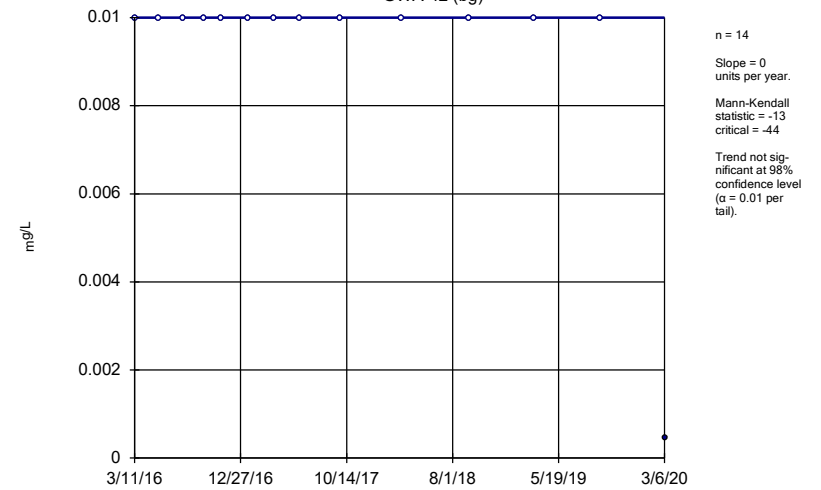
GWA-41 (bg)



Constituent: Chromium Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

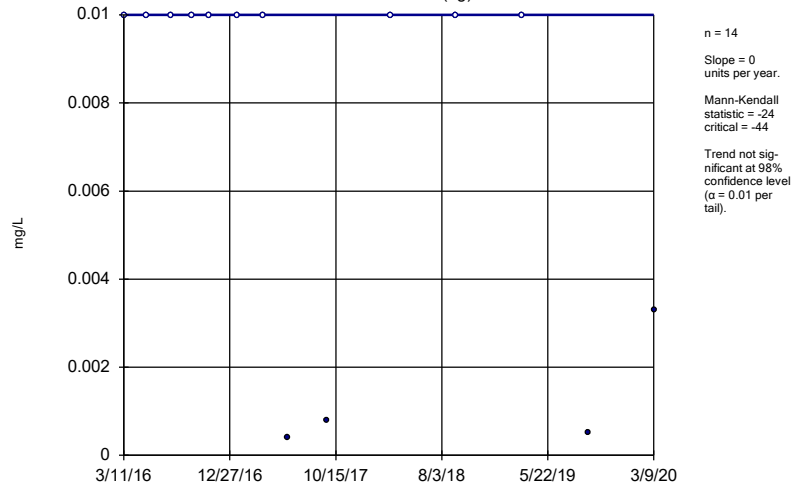
GWA-42 (bg)



Constituent: Chromium Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

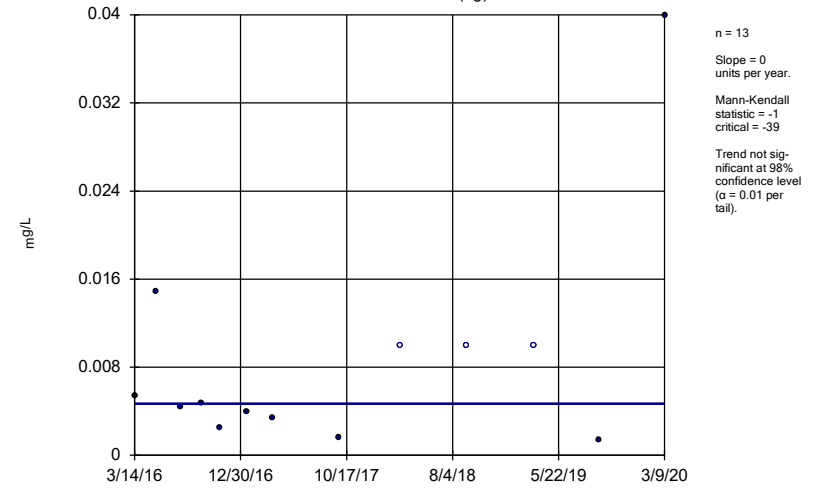
GWA-43 (bg)



Constituent: Chromium Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

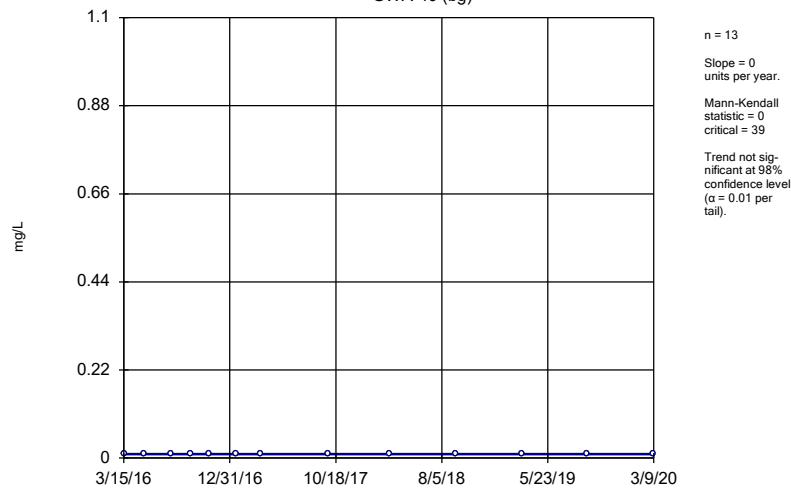
GWA-39Z (bg)



Constituent: Nickel Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

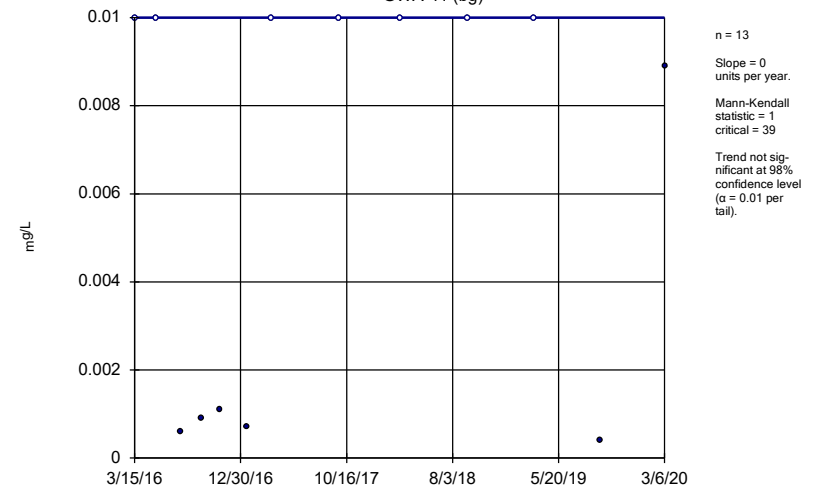
GWA-40 (bg)



Constituent: Nickel Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

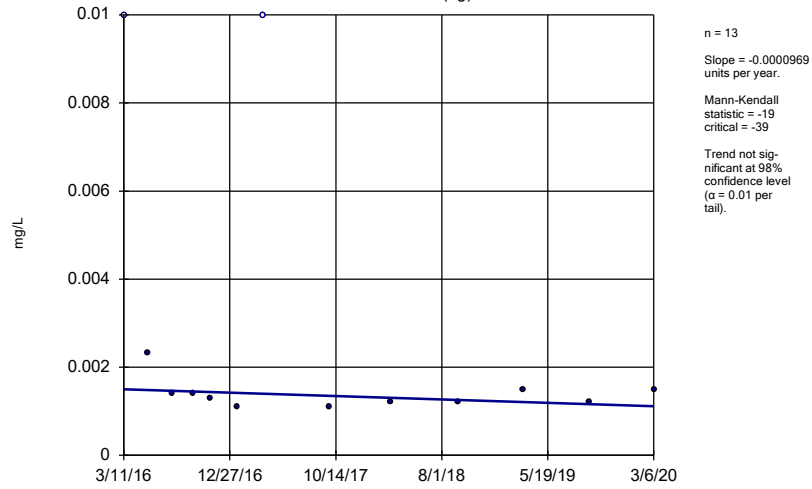
GWA-41 (bg)



Constituent: Nickel Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

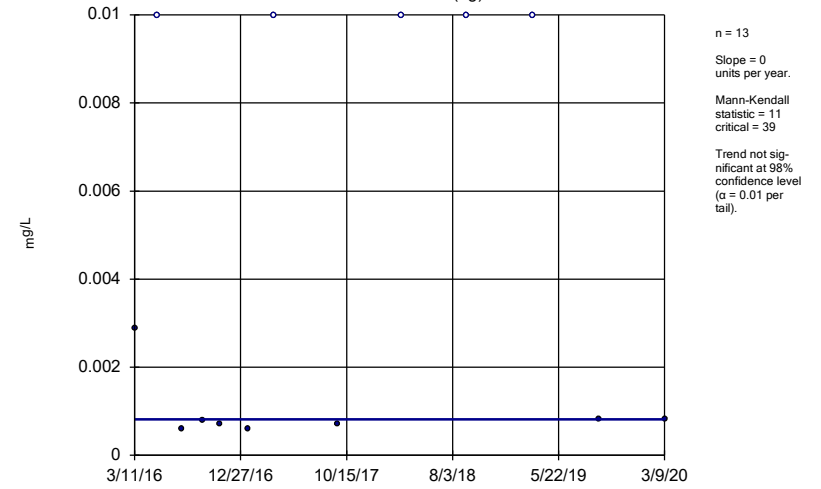
GWA-42 (bg)



Constituent: Nickel Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

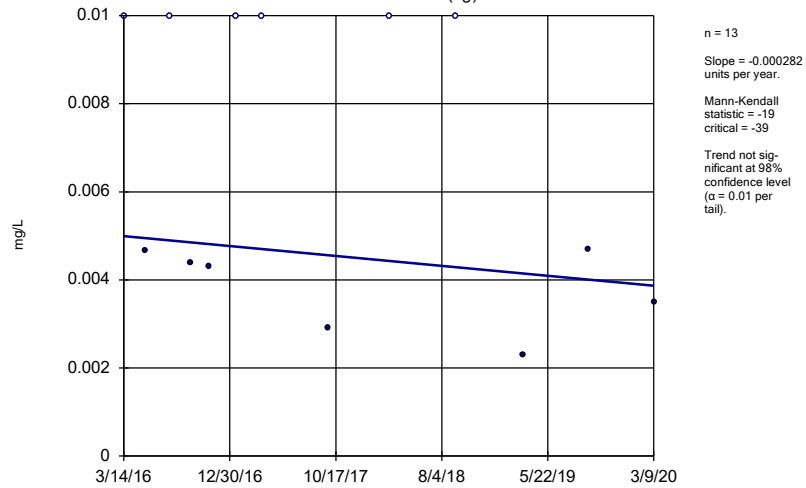
GWA-43 (bg)



Constituent: Nickel Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

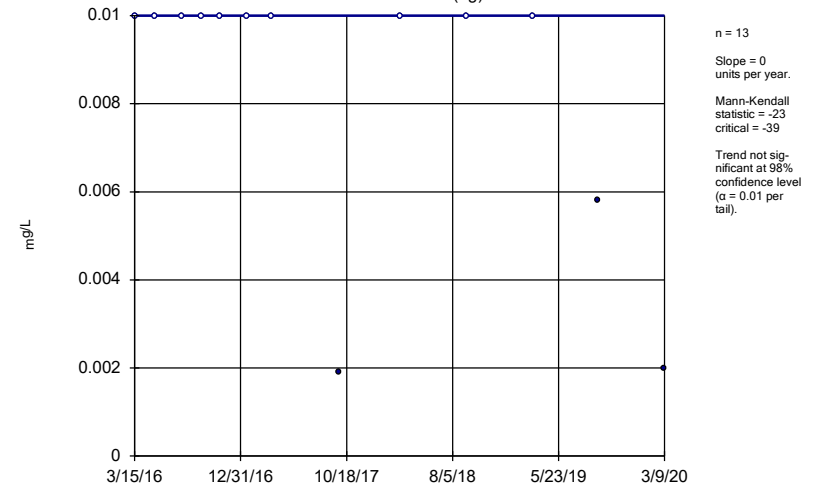
GWA-39Z (bg)



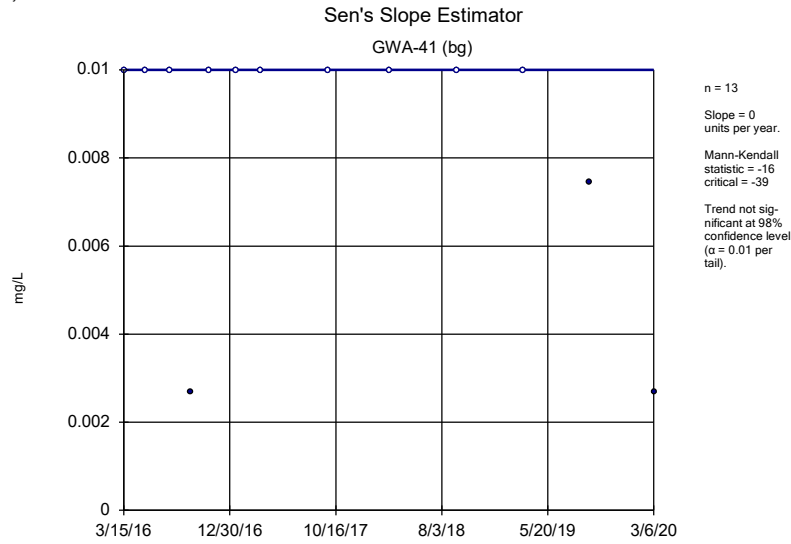
Constituent: Zinc Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

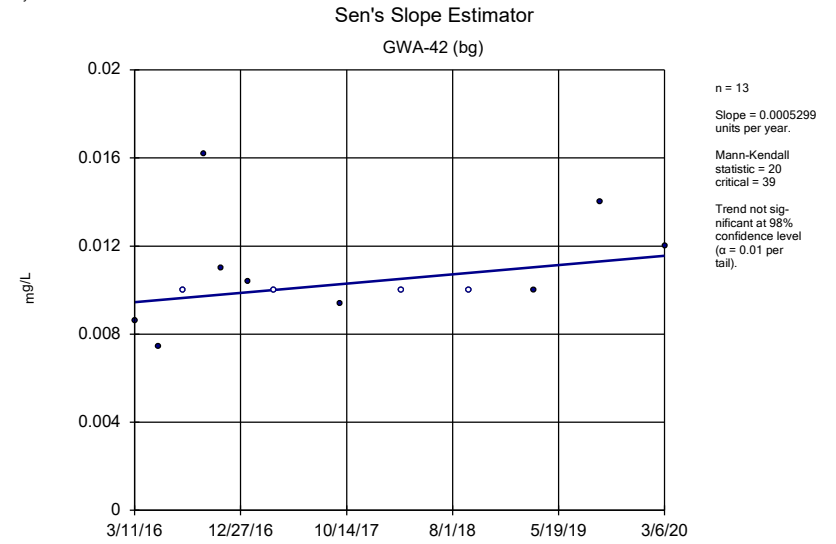
GWA-40 (bg)



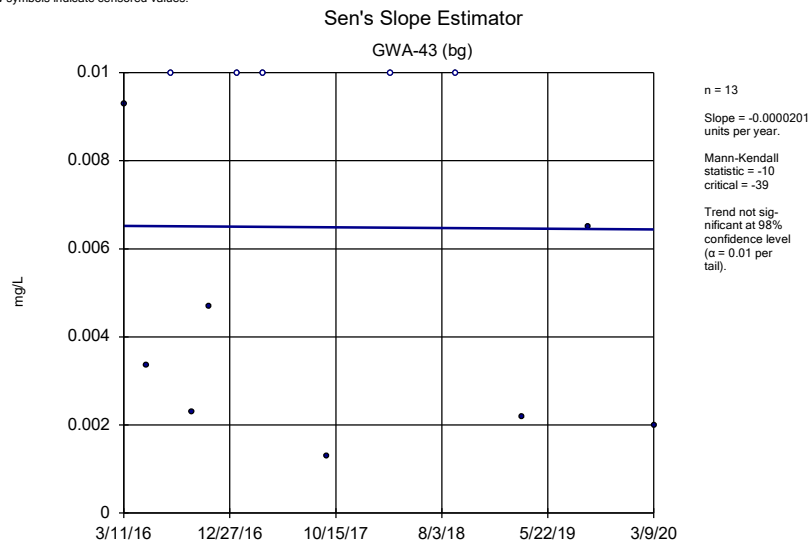
Constituent: Zinc Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



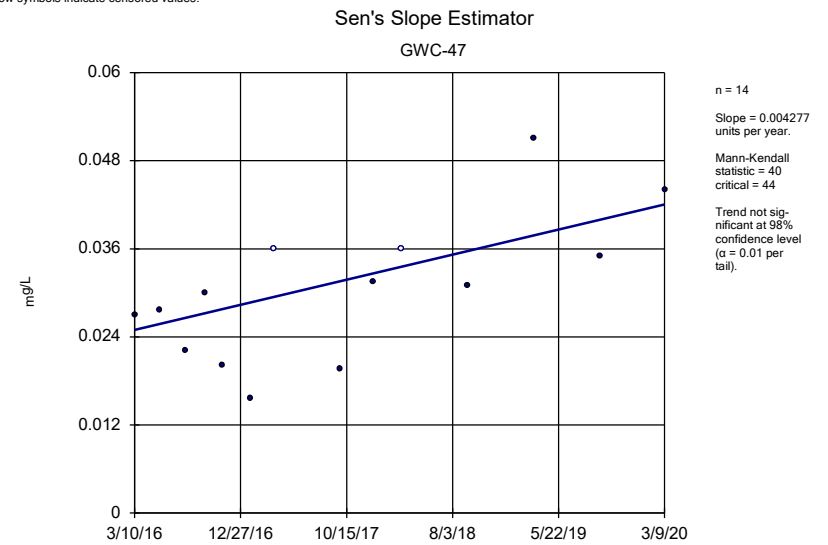
Constituent: Zinc Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



Constituent: Zinc Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



Constituent: Zinc Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



Constituent: Zinc Analysis Run 4/16/2020 3:36 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

FIGURE H.

Intrawell Prediction Limits (CCR) - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWA-40	28.9	n/a	3/9/2020	29.4	13	21.22	3.07	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-42	35.5	n/a	3/6/2020	38	13	30.44	2.022	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45R	41.57	n/a	3/10/2020	43.5	13	33.75	3.119	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45R	4.3	n/a	3/10/2020	4.4	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-45R	4.171	n/a	3/10/2020	5.2	13	1.678	0.1456	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41R	247.5	n/a	3/9/2020	249	13	156	36.55	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-45	39	n/a	3/10/2020	60	13	n/a	n/a	53.85	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Total Dissolved Solids (mg/l)	GWC-45R	226.6	n/a	3/10/2020	245	13	158.7	27.13	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-48	62.49	n/a	3/9/2020	100	13	4.798	1.241	30.77	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2

Intrawell Prediction Limits (CCR) - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWA-39RZ	41.66	n/a	3/9/2020	35.6	13	31.85	3.916	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-39Z	35.15	n/a	3/9/2020	3.2	14	14.39	8.463	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-40	28.9	n/a	3/9/2020	29.4	13	21.22	3.07	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-41	40.96	n/a	3/6/2020	29.2	13	18.11	9.126	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-41R	45.25	n/a	3/9/2020	25.5	13	33.5	4.693	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-42	35.5	n/a	3/6/2020	38	13	30.44	2.022	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-43	19.73	n/a	3/9/2020	2.6	13	7.587	4.85	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-43R	32.72	n/a	3/9/2020	31.7	14	28.45	1.742	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-44	16.95	n/a	3/10/2020	16.9	13	5.414	4.606	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45	0.9609	n/a	3/10/2020	0.89	13	0.9012	0.03156	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45R	41.57	n/a	3/10/2020	43.5	13	33.75	3.119	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-46R	54.42	n/a	3/10/2020	51.6	13	44.5	3.96	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-47	30.67	n/a	3/9/2020	22.3	13	23.9	2.702	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-47R	38.32	n/a	3/9/2020	35	13	30.12	3.276	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-48	11.28	n/a	3/9/2020	4.5	13	1.729	0.6507	7.692	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-49R	31.53	n/a	3/11/2020	27.1	13	25.18	2.536	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-49Z	6.919	n/a	3/9/2020	0.87	13	1.179	0.2903	0	None	x^(1/3)	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-39RZ	3.98	n/a	3/9/2020	1.5	13	2.48	0.5988	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-39Z	2.355	n/a	3/9/2020	1.2	13	1.633	0.2883	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-40	3.889	n/a	3/9/2020	1.5	14	1.224	0.305	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-41	4.209	n/a	3/6/2020	1.3	13	2.027	0.8715	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-41R	6.223	n/a	3/9/2020	1.3	13	3.133	1.234	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-42	3.894	n/a	3/6/2020	2.7	13	2.763	0.4518	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-43	1.591	n/a	3/9/2020	1.2	13	1.329	0.1047	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-43R	5.573	n/a	3/9/2020	2.2	13	3.368	0.8802	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-44	9.945	n/a	3/10/2020	5.9	14	4.578	2.188	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45	1.232	n/a	3/10/2020	0.8	13	0.9601	0.1087	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45R	4.3	n/a	3/10/2020	4.4	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-46R	3.019	n/a	3/10/2020	1.2	13	2.15	0.3467	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-47	3.019	n/a	3/9/2020	2.3	13	2.519	0.2	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-47R	3.021	n/a	3/9/2020	2.3	13	2.5	0.2079	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-48	3.612	n/a	3/9/2020	3.4	13	2.572	0.4151	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-49R	2.7	n/a	3/11/2020	1.4	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-49Z	1.455	n/a	3/9/2020	1	13	1.118	0.1348	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-39RZ	30.14	n/a	3/9/2020	5.8	13	12.5	7.045	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-39Z	9.678	n/a	3/9/2020	0.84	13	4.516	2.061	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-40	7.087	n/a	3/9/2020	1.2	14	1.363	0.5295	7.143	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-41	11.99	n/a	3/6/2020	10	13	1.385	0.3607	0	None	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-41R	12.93	n/a	3/9/2020	8.5	13	5.16	3.101	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-42	2.644	n/a	3/6/2020	1.7	13	1.641	0.4006	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-43	2.037	n/a	3/9/2020	0.5ND	13	0.8393	0.4783	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-43R	10.71	n/a	3/9/2020	3.9	13	6.176	1.812	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-44	52.83	n/a	3/10/2020	48.5	13	17.74	14.01	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-45	1.809	n/a	3/10/2020	0.61	13	0.7349	0.4287	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-45R	4.171	n/a	3/10/2020	5.2	13	1.678	0.1456	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-46R	9.593	n/a	3/10/2020	5.5	13	6.725	1.145	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-47	5.618	n/a	3/9/2020	4.3	13	4.287	0.5315	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-47R	16.1	n/a	3/9/2020	10.4	13	9.164	2.771	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-48	3.856	n/a	3/9/2020	1.6	14	1.869	0.8101	7.143	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-49R	6.225	n/a	3/11/2020	3.3	14	1.88	0.2508	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2

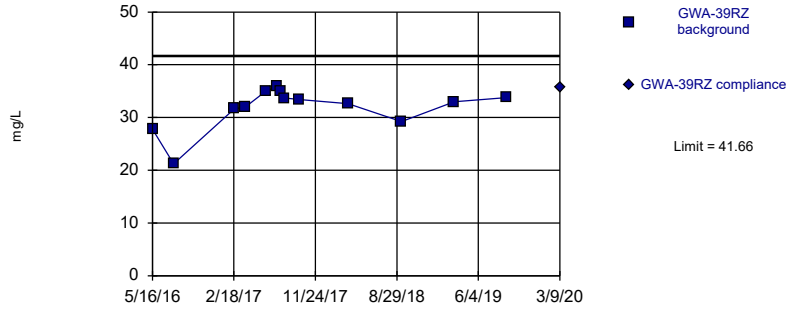
Intrawell Prediction Limits (CCR) - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-49Z	10.28	n/a	3/9/2020	1.5	13	0.9416	0.5543	0	None	ln(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-39RZ	264.6	n/a	3/9/2020	173	13	170.3	37.67	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-39Z	175.8	n/a	3/9/2020	58	12	77	38.66	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-40	161.4	n/a	3/9/2020	131	13	107.8	21.41	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41	200.2	n/a	3/6/2020	137	13	85.46	45.83	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41R	247.5	n/a	3/9/2020	249	13	156	36.55	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-42	187.7	n/a	3/6/2020	143	13	135.9	20.69	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-43	90.21	n/a	3/9/2020	51	13	40.62	19.8	23.08	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-43R	179.1	n/a	3/9/2020	174	13	141	15.22	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-44	190.9	n/a	3/10/2020	127	14	3.427	0.9504	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-45	39	n/a	3/10/2020	60	13	n/a	n/a	53.85	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Total Dissolved Solids (mg/l)	GWC-45R	226.6	n/a	3/10/2020	245	13	158.7	27.13	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-46R	293.7	n/a	3/10/2020	273	13	234.8	23.52	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-47	171.4	n/a	3/9/2020	147	13	127.8	17.38	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-47R	187.7	n/a	3/9/2020	44	13	154.5	13.26	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-48	62.49	n/a	3/9/2020	100	13	4.798	1.241	30.77	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-49R	196.3	n/a	3/11/2020	125	13	126.6	27.83	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-49Z	63.44	n/a	3/9/2020	51	13	31.4	12.79	23.08	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Parametric

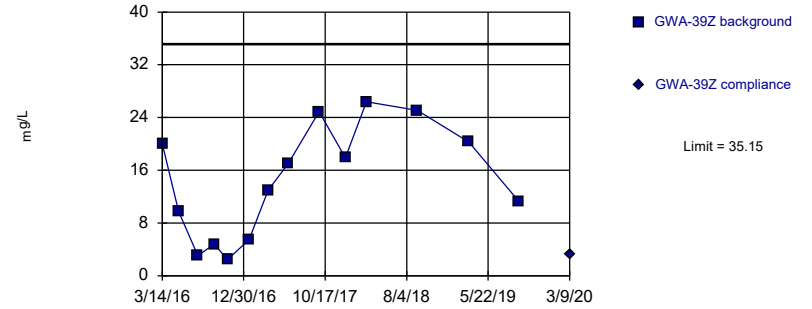


Background Data Summary: Mean=31.85, Std. Dev.=3.916, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.815, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:12 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

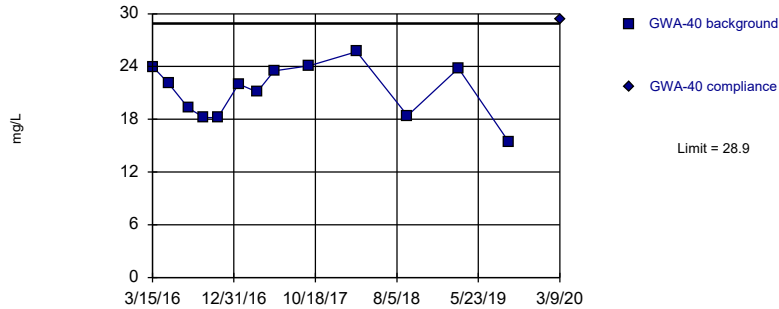


Background Data Summary: Mean=14.39, Std. Dev.=8.463, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9258, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:12 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

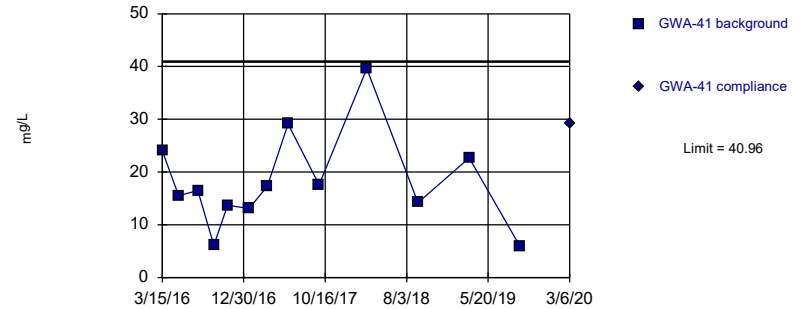


Background Data Summary: Mean=21.22, Std. Dev.=3.07, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9413, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:12 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=18.11, Std. Dev.=9.126, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.918, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:12 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	27.8 (D)	
7/27/2016	21.2 (D)	
2/21/2017	31.7 (D)	
3/27/2017	31.9 (D)	
6/8/2017	35 (D)	
7/17/2017	35.9 (D)	
7/27/2017	34.9 (D)	
8/9/2017	33.7 (D)	
9/29/2017	33.4 (D)	
3/16/2018	32.6	
9/14/2018	29.2	
3/14/2019	33	
9/10/2019	33.8	
3/9/2020		35.6

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	20	
5/11/2016	9.76	
7/19/2016	3.04	
9/15/2016	4.78	
11/2/2016	2.46	
1/18/2017	5.46	
3/28/2017	13	
6/7/2017	17	
9/26/2017	24.9	
12/28/2017	17.9 (Y)	
3/14/2018	26.4	
9/12/2018	25.1	
3/15/2019	20.3 (X)	
9/9/2019	11.3	
3/9/2020		3.2

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	24	
5/11/2016	22.1	
7/21/2016	19.3	
9/15/2016	18.2	
11/3/2016	18.2	
1/17/2017	22	
3/24/2017	21.1	
5/24/2017	23.5	
9/26/2017	24.1	
3/14/2018	25.7	
9/12/2018	18.4 (J)	
3/13/2019	23.8 (X)	
9/9/2019	15.4	
3/9/2020		29.4

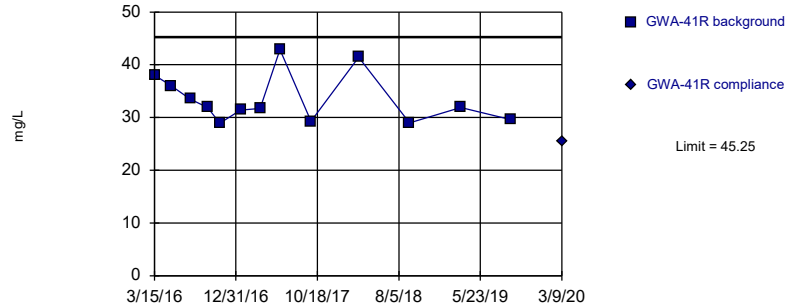
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	24	
5/12/2016	15.5	
7/20/2016	16.5	
9/15/2016	6.1	
11/3/2016	13.7	
1/18/2017	13.1	
3/24/2017	17.3	
6/6/2017	29.1	
9/25/2017	17.6	
3/14/2018	39.6	
9/12/2018	14.2 (J)	
3/14/2019	22.7 (X)	
9/10/2019	6	
3/6/2020		29.2

Within Limit

Prediction Limit
Intrawell Parametric

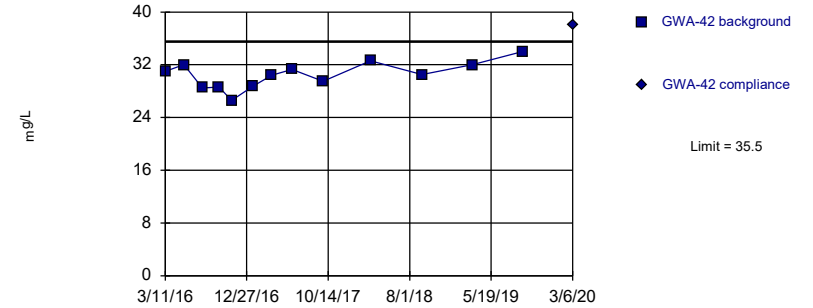


Background Data Summary: Mean=33.5, Std. Dev.=4.693, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8579, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:12 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

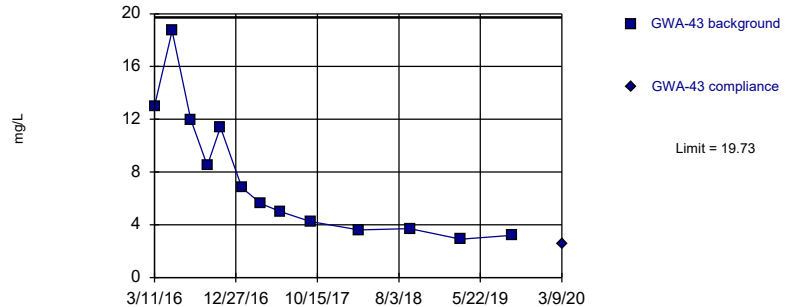


Background Data Summary: Mean=30.44, Std. Dev.=2.022, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9822, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:12 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

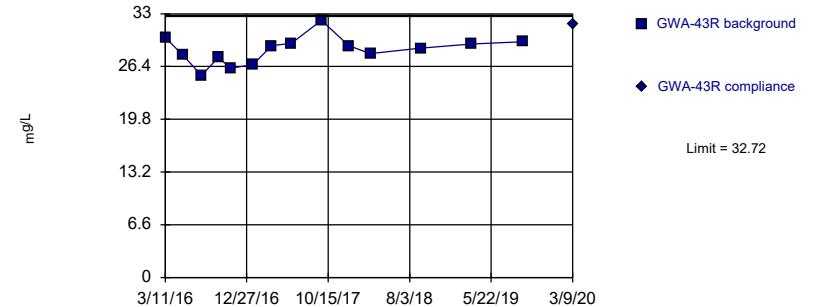


Background Data Summary: Mean=7.587, Std. Dev.=4.85, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8654, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=28.45, Std. Dev.=1.742, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9665, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	38	
5/13/2016	36	
7/21/2016	33.5	
9/21/2016	31.9	
11/3/2016	28.9	
1/17/2017	31.4	
3/27/2017	31.7	
6/6/2017	42.9	
9/25/2017	29.3	
3/14/2018	41.4	
9/12/2018	29	
3/14/2019	31.9	
9/10/2019	29.6	
3/9/2020		25.5

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	31	
5/16/2016	32	
7/22/2016	28.5	
9/19/2016	28.6	
11/3/2016	26.6	
1/17/2017	28.7	
3/27/2017	30.4	
6/7/2017	31.3	
9/26/2017	29.5	
3/14/2018	32.6	
9/14/2018	30.5	
3/14/2019	32	
9/10/2019	34	
3/6/2020		38

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	13	
5/13/2016	18.7	
7/19/2016	12	
9/16/2016	8.48	
11/2/2016	11.4	
1/18/2017	6.81	
3/28/2017	5.61	
6/6/2017	4.99	
9/22/2017	4.24	
3/14/2018	3.6	
9/12/2018	3.7	
3/13/2019	2.9	
9/11/2019	3.2	
3/9/2020		2.6

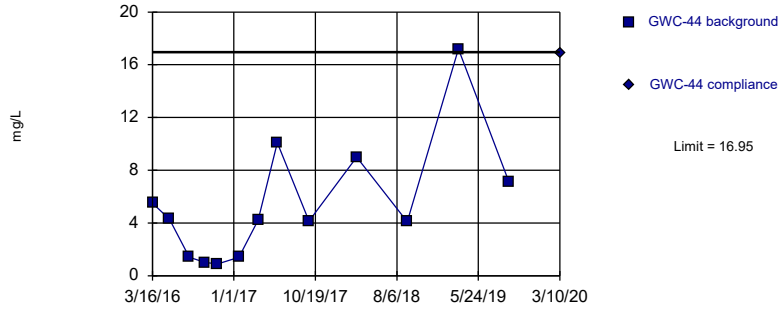
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	30	
5/13/2016	27.8	
7/19/2016	25.3	
9/16/2016	27.5	
11/2/2016	26.2	
1/18/2017	26.6	
3/28/2017	29	
6/6/2017	29.3	
9/22/2017	32.2	
12/28/2017	29 (Y)	
3/15/2018	28	
9/12/2018	28.7	
3/13/2019	29.2	
9/11/2019	29.5	
3/9/2020		31.7

Within Limit

Prediction Limit
Intrawell Parametric

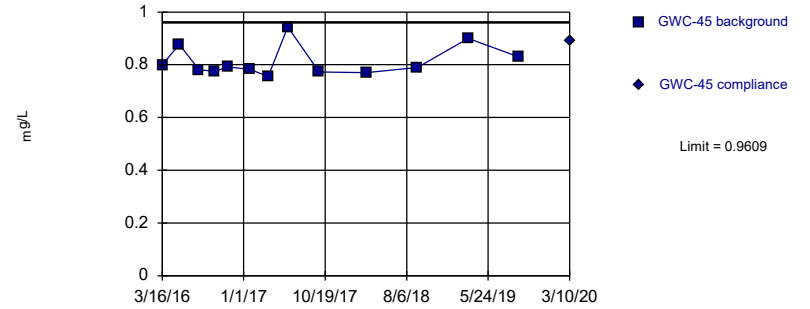


Background Data Summary: Mean=5.414, Std. Dev.=4.606, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8525, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

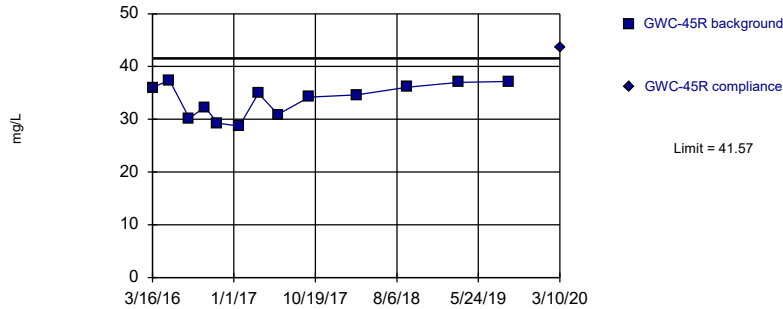


Background Data Summary (based on square root transformation): Mean=0.9012, Std. Dev.=0.03156, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8186, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

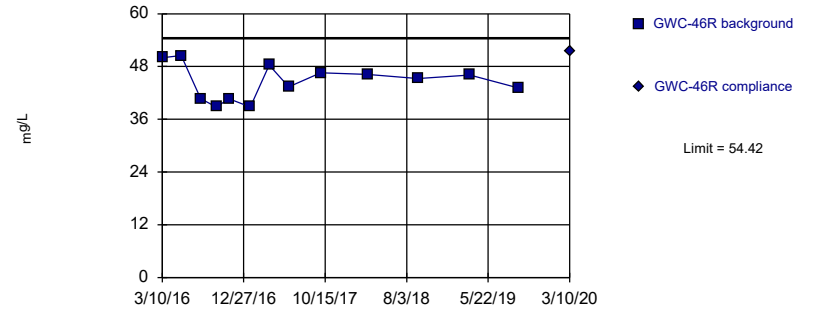


Background Data Summary: Mean=33.75, Std. Dev.=3.119, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9018, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=44.5, Std. Dev.=3.96, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9427, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	5.5	
5/16/2016	4.3	
7/25/2016	1.41	
9/19/2016	1.01	
11/3/2016	0.884	
1/19/2017	1.41	
3/28/2017	4.23	
6/5/2017	10.1	
9/26/2017	4.14	
3/15/2018	9	
9/12/2018	4.1	
3/14/2019	17.2 (X)	
9/11/2019	7.1	
3/10/2020		16.9

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.8	
5/16/2016	0.877	
7/25/2016	0.781	
9/19/2016	0.775	
11/4/2016	0.792	
1/23/2017	0.782	
3/29/2017	0.756	
6/7/2017	0.944	
9/27/2017	0.773	
3/15/2018	0.77	
9/13/2018	0.79	
3/14/2019	0.9	
9/11/2019	0.83	
3/10/2020		0.89 (J)

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	36	
5/16/2016	37.4	
7/25/2016	30.2	
9/19/2016	32.3	
11/3/2016	29.3	
1/20/2017	28.7	
3/29/2017	34.9	
6/7/2017	30.9	
9/27/2017	34.2	
3/15/2018	34.6	
9/13/2018	36.1	
3/14/2019	37	
9/11/2019	37.2	
3/10/2020		43.5

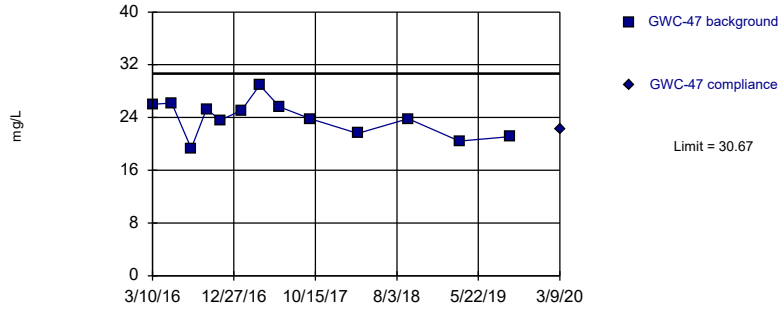
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	50	
5/17/2016	50.5	
7/26/2016	40.7	
9/20/2016	38.8	
11/4/2016	40.7	
1/20/2017	38.8	
3/28/2017	48.3	
6/7/2017	43.4	
9/29/2017	46.6	
3/15/2018	46.2	
9/13/2018	45.3	
3/18/2019	46.1	
9/11/2019	43.1	
3/10/2020		51.6

Within Limit

Prediction Limit
Intrawell Parametric

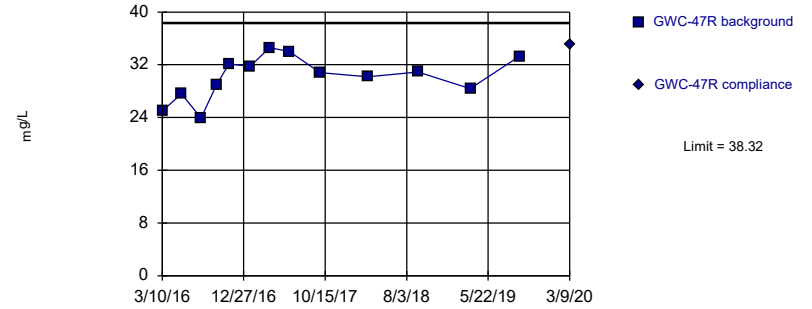


Background Data Summary: Mean=23.9, Std. Dev.=2.702, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9647, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



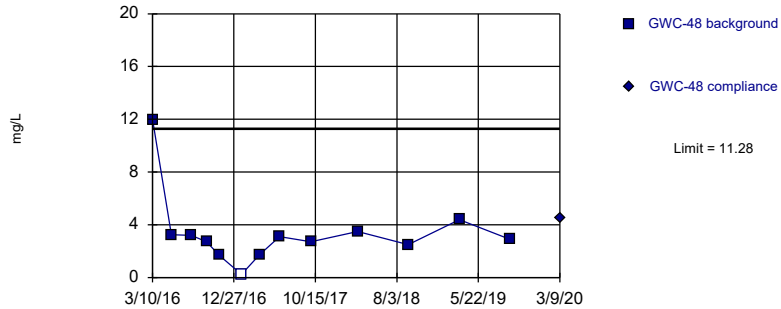
Background Data Summary: Mean=30.12, Std. Dev.=3.276, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric

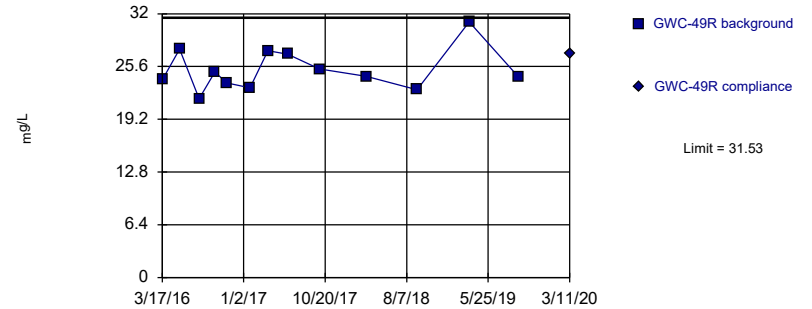


Background Data Summary (based on square root transformation): Mean=1.729, Std. Dev.=0.6507, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8256, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=25.18, Std. Dev.=2.536, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	26	
5/18/2016	26.2	
7/27/2016	19.3	
9/20/2016	25.3	
11/7/2016	23.6	
1/23/2017	25.1	
3/29/2017	28.9	
6/8/2017	25.6	
9/27/2017	23.8	
3/15/2018	21.6 (J)	
9/13/2018	23.8 (J)	
3/15/2019	20.4 (X)	
9/12/2019	21.1	
3/9/2020		22.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	25	
5/18/2016	27.6	
7/27/2016	23.9	
9/20/2016	28.9	
11/4/2016	32.1	
1/20/2017	31.8	
3/29/2017	34.6	
6/8/2017	34	
9/27/2017	30.8	
3/16/2018	30.2	
9/13/2018	30.9	
3/19/2019	28.4	
9/11/2019	33.3	
3/9/2020		35

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	12	
5/17/2016	3.25	
7/27/2016	3.2	
9/20/2016	2.72	
11/4/2016	1.69	
1/23/2017	<0.5	
3/28/2017	1.72	
6/8/2017	3.11	
9/29/2017	2.71	
3/15/2018	3.5	
9/13/2018	2.5	
3/15/2019	4.4	
9/11/2019	2.9	
3/9/2020		4.5

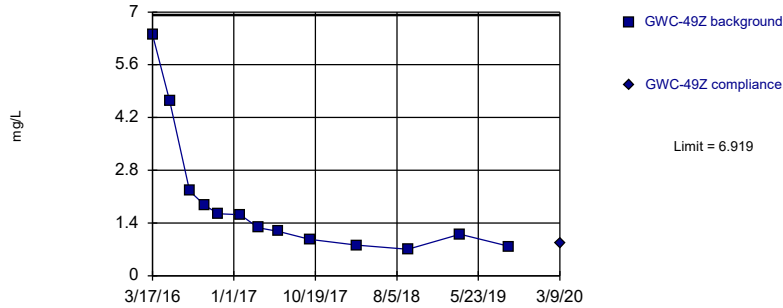
Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	24	
5/18/2016	27.7	
7/27/2016	21.7	
9/21/2016	24.9	
11/4/2016	23.6	
1/24/2017	23	
3/29/2017	27.5	
6/8/2017	27.1	
9/29/2017	25.3	
3/15/2018	24.4 (J)	
9/13/2018	22.8 (J)	
3/18/2019	31	
9/11/2019	24.3	
3/11/2020		27.1

Within Limit

Prediction Limit
Intrawell Parametric

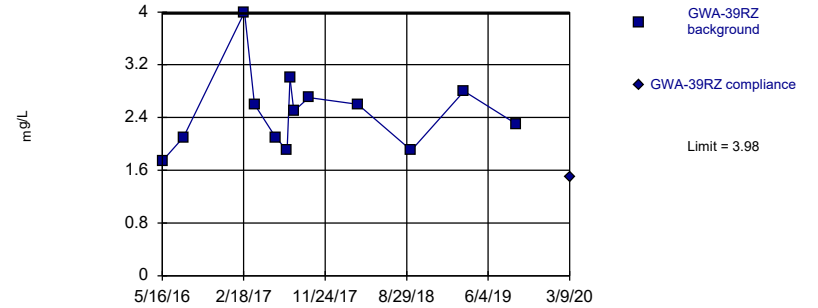


Background Data Summary (based on cube root transformation): Mean=1.179, Std. Dev.=0.2903, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8413, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

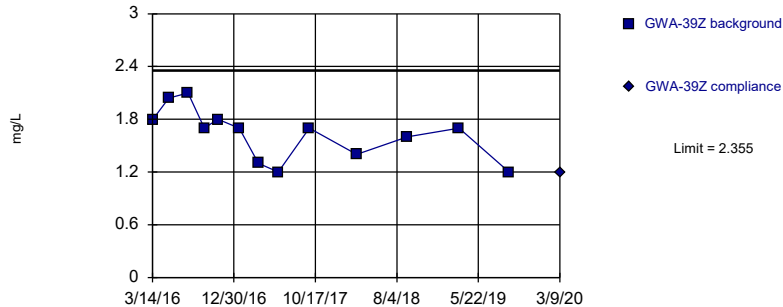


Background Data Summary: Mean=2.48, Std. Dev.=0.5988, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8997, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

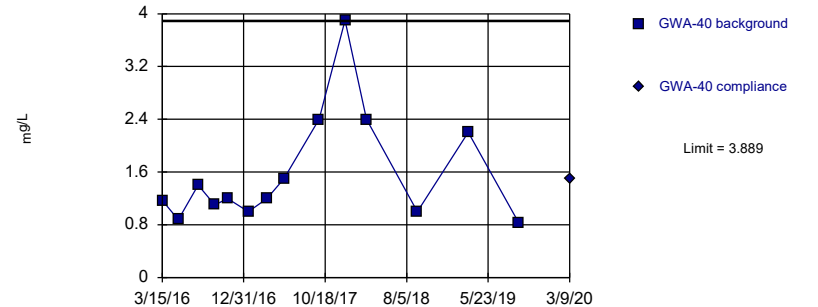


Background Data Summary: Mean=1.633, Std. Dev.=0.2883, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9255, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.224, Std. Dev.=0.305, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8491, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	6.4	
5/18/2016	4.63	
7/28/2016	2.25	
9/21/2016	1.86	
11/7/2016	1.65	
1/24/2017	1.62	
3/30/2017	1.27	
6/9/2017	1.18	
9/29/2017	0.967	
3/15/2018	0.81	
9/14/2018	0.7	
3/19/2019	1.1	
9/11/2019	0.78	
3/9/2020		0.87 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	1.74 (D)	
7/27/2016	2.1 (D)	
2/21/2017	4 (D)	
3/27/2017	2.6 (D)	
6/8/2017	2.1 (D)	
7/17/2017	1.9 (D)	
7/27/2017	3 (D)	
8/9/2017	2.5 (D)	
9/29/2017	2.7 (D)	
3/16/2018	2.6	
9/14/2018	1.9	
3/14/2019	2.8	
9/10/2019	2.3	
3/9/2020		1.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

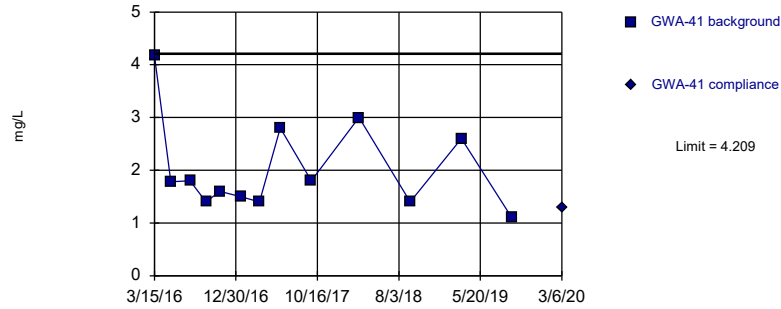
	GWA-39Z	GWA-39Z
3/14/2016	1.795	
5/11/2016	2.04	
7/19/2016	2.1	
9/15/2016	1.7	
11/2/2016	1.8	
1/18/2017	1.7	
3/28/2017	1.3	
6/7/2017	1.2	
9/26/2017	1.7	
3/14/2018	1.4	
9/12/2018	1.6	
3/15/2019	1.7	
9/9/2019	1.2	
3/9/2020		1.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	1.1671	
5/11/2016	0.8763	
7/21/2016	1.4	
9/19/2016	1.1	
11/3/2016	1.2	
1/17/2017	1	
3/24/2017	1.2	
5/24/2017	1.5	
9/26/2017	2.4	
12/28/2017	3.9 (Y)	
3/14/2018	2.4	
9/12/2018	1	
3/13/2019	2.2	
9/9/2019	0.83 (X)	
3/9/2020		1.5

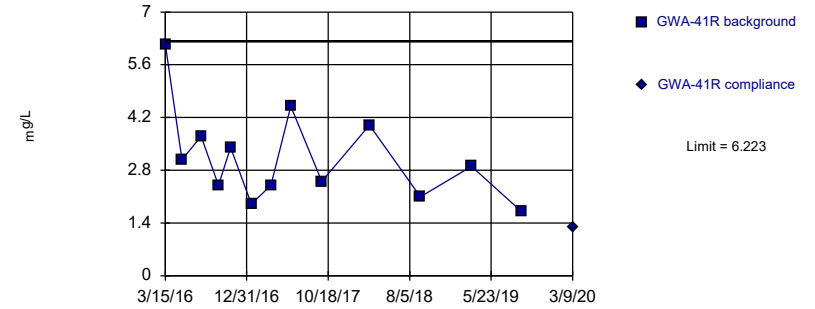
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.027, Std. Dev.=0.8715, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8369, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

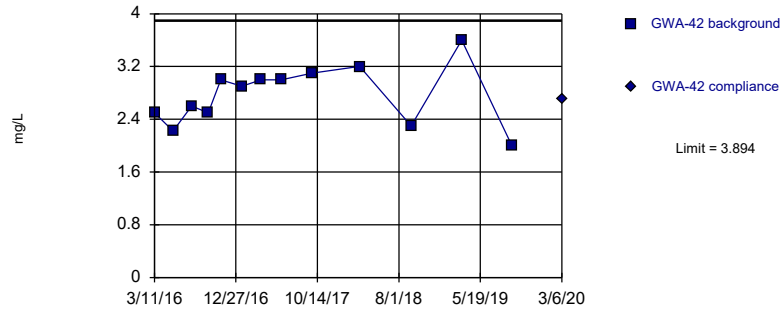
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=3.133, Std. Dev.=1.234, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9062, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

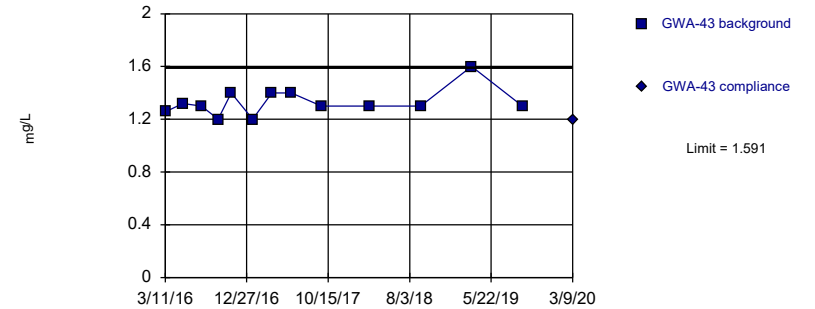
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.763, Std. Dev.=0.4518, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9662, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.329, Std. Dev.=0.1047, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8529, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	4.1666	
5/12/2016	1.78	
7/20/2016	1.8	
9/15/2016	1.4	
11/3/2016	1.6	
1/18/2017	1.5	
3/24/2017	1.4	
6/6/2017	2.8	
9/25/2017	1.8	
3/14/2018	3	
9/12/2018	1.4	
3/14/2019	2.6	
9/10/2019	1.1	
3/6/2020		1.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	6.1465	
5/13/2016	3.08	
7/21/2016	3.7	
9/21/2016	2.4	
11/3/2016	3.4	
1/17/2017	1.9	
3/27/2017	2.4	
6/6/2017	4.5	
9/25/2017	2.5	
3/14/2018	4 (J)	
9/12/2018	2.1	
3/14/2019	2.9	
9/10/2019	1.7	
3/9/2020		1.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	2.4984	
5/16/2016	2.22	
7/22/2016	2.6	
9/19/2016	2.5	
11/3/2016	3	
1/17/2017	2.9	
3/27/2017	3	
6/7/2017	3	
9/26/2017	3.1	
3/14/2018	3.2	
9/14/2018	2.3	
3/14/2019	3.6	
9/10/2019	2	
3/6/2020		2.7

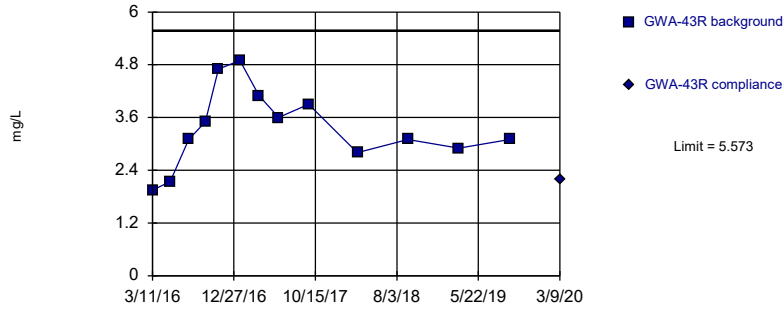
Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	1.2562	
5/13/2016	1.32	
7/19/2016	1.3	
9/16/2016	1.2	
11/2/2016	1.4	
1/18/2017	1.2	
3/28/2017	1.4	
6/6/2017	1.4	
9/22/2017	1.3	
3/14/2018	1.3	
9/12/2018	1.3	
3/13/2019	1.6	
9/11/2019	1.3	
3/9/2020		1.2

Within Limit

Prediction Limit
Intrawell Parametric

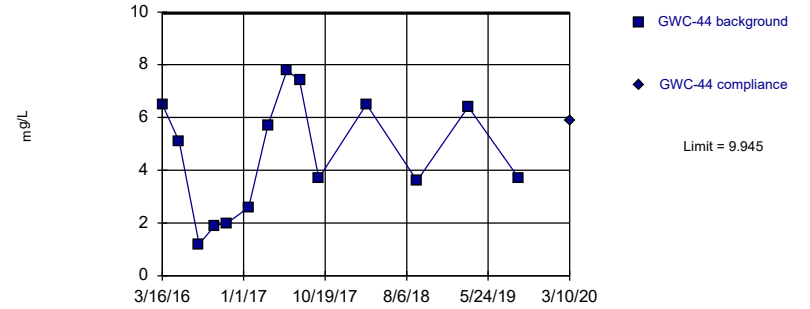


Background Data Summary: Mean=3.368, Std. Dev.=0.8802, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9646, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

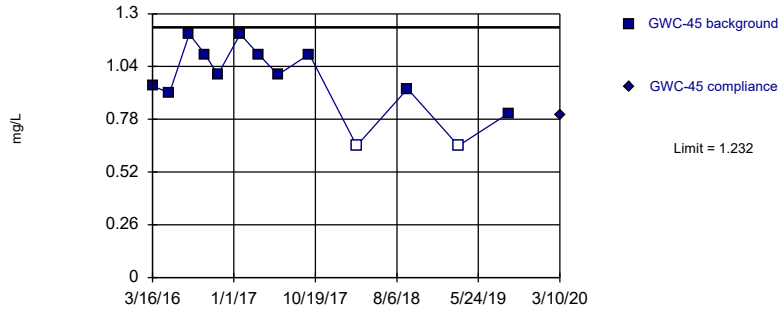


Background Data Summary: Mean=4.578, Std. Dev.=2.188, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.935, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

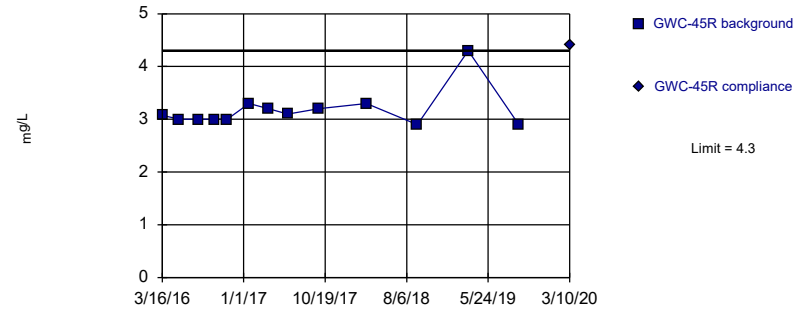


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.9601, Std. Dev.=0.1087, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9175, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	1.9467	
5/13/2016	2.14	
7/19/2016	3.1	
9/16/2016	3.5	
11/2/2016	4.7	
1/18/2017	4.9	
3/28/2017	4.1	
6/6/2017	3.6	
9/22/2017	3.9	
3/15/2018	2.8	
9/12/2018	3.1	
3/13/2019	2.9	
9/11/2019	3.1	
3/9/2020		2.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	6.505	
5/16/2016	5.08	
7/25/2016	1.2	
9/19/2016	1.9	
11/3/2016	2	
1/19/2017	2.6	
3/28/2017	5.7	
6/5/2017	7.8	
7/20/2017	7.4	
9/26/2017	3.7	
3/15/2018	6.5	
9/12/2018	3.6	
3/14/2019	6.4	
9/11/2019	3.7	
3/10/2020		5.9

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

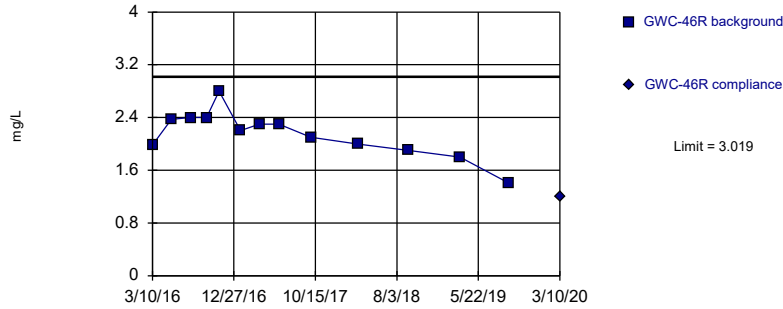
	GWC-45	GWC-45
3/16/2016	0.9445	
5/16/2016	0.9104	
7/25/2016	1.2	
9/19/2016	1.1	
11/4/2016	1	
1/23/2017	1.2	
3/29/2017	1.1	
6/7/2017	1	
9/27/2017	1.1	
3/15/2018	<1.3	
9/13/2018	0.93	
3/14/2019	<1.3	
9/11/2019	0.81 (X)	
3/10/2020		0.8 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	3.0774	
5/16/2016	3	
7/25/2016	3	
9/19/2016	3	
11/3/2016	3	
1/20/2017	3.3	
3/29/2017	3.2	
6/7/2017	3.1	
9/27/2017	3.2	
3/15/2018	3.3	
9/13/2018	2.9	
3/14/2019	4.3	
9/11/2019	2.9	
3/10/2020		4.4

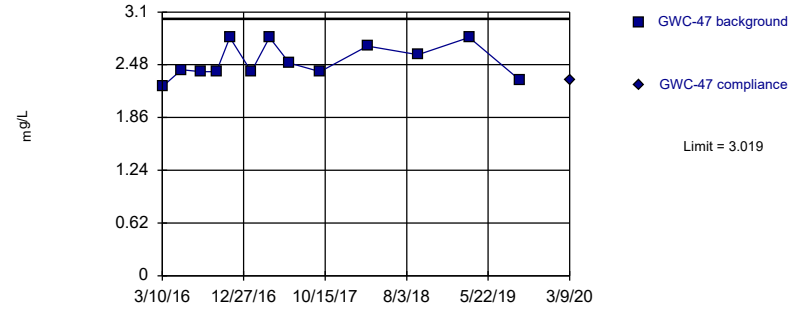
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.15, Std. Dev.=0.3467, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9645, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

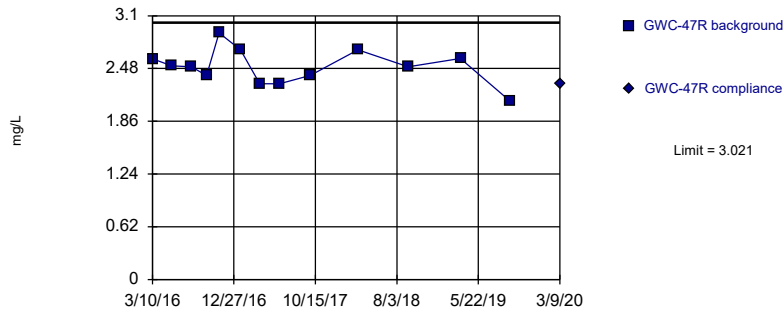
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.519, Std. Dev.=0.2, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8851, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

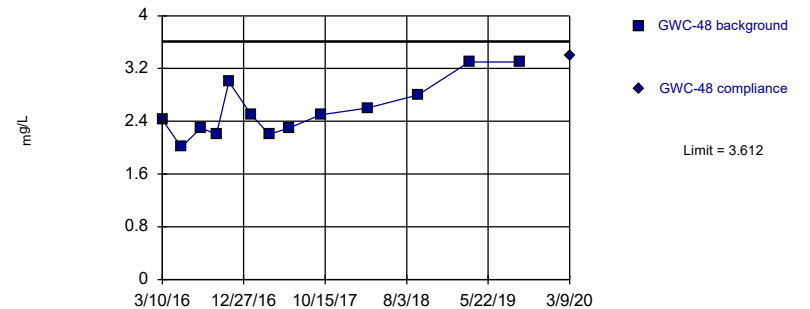
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.5, Std. Dev.=0.2079, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.983, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.572, Std. Dev.=0.4151, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9106, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	1.9859	
5/17/2016	2.37	
7/26/2016	2.4	
9/20/2016	2.4	
11/4/2016	2.8	
1/20/2017	2.2	
3/28/2017	2.3	
6/7/2017	2.3	
9/29/2017	2.1	
3/15/2018	2	
9/13/2018	1.9	
3/18/2019	1.8	
9/11/2019	1.4	
3/10/2020		1.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	2.2206	
5/18/2016	2.42	
7/27/2016	2.4	
9/20/2016	2.4	
11/7/2016	2.8	
1/23/2017	2.4	
3/29/2017	2.8	
6/8/2017	2.5	
9/27/2017	2.4	
3/15/2018	2.7	
9/13/2018	2.6	
3/15/2019	2.8	
9/12/2019	2.3	
3/9/2020		2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	2.5934	
5/18/2016	2.51	
7/27/2016	2.5	
9/20/2016	2.4	
11/4/2016	2.9	
1/20/2017	2.7	
3/29/2017	2.3	
6/8/2017	2.3	
9/27/2017	2.4	
3/16/2018	2.7	
9/13/2018	2.5	
3/19/2019	2.6	
9/11/2019	2.1	
3/9/2020		2.3

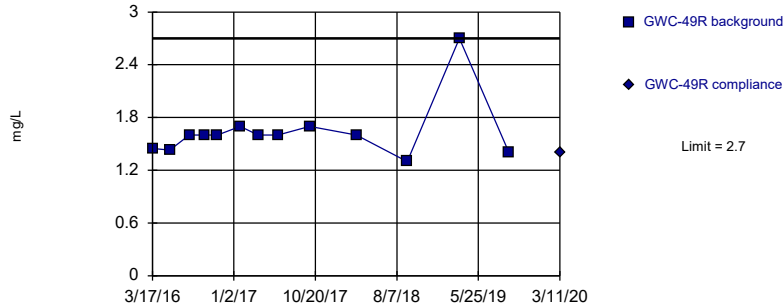
Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020		3.4

Within Limit

Prediction Limit
Intrawell Non-parametric

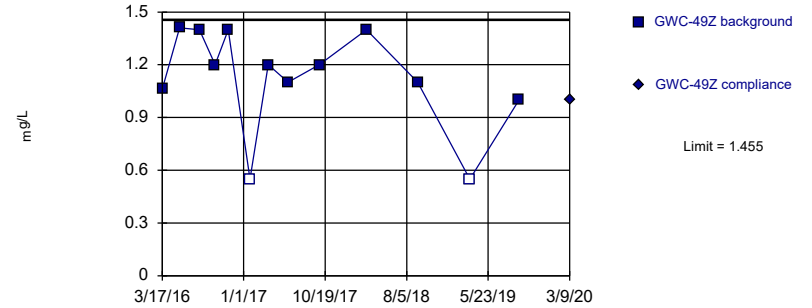


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

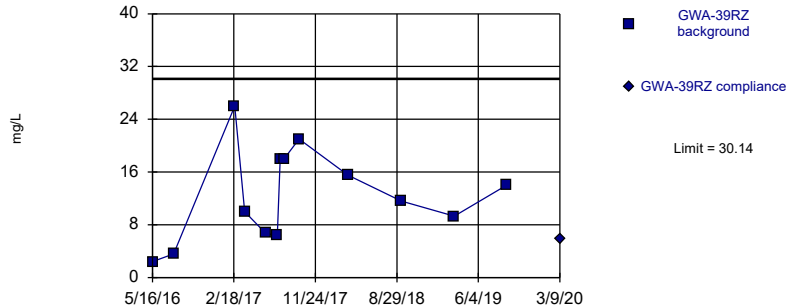


Background Data Summary (after Kaplan-Meier Adjustment): Mean=1.118, Std. Dev.=0.1348, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8297, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

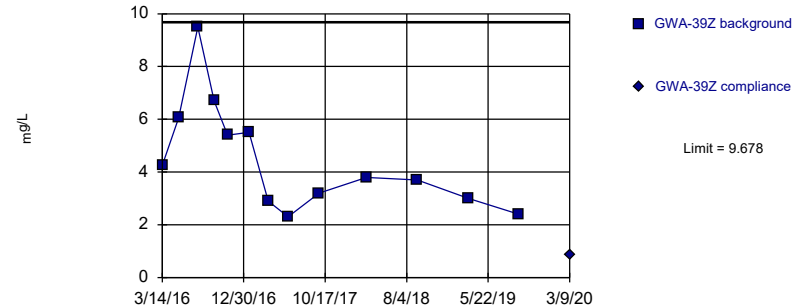


Background Data Summary: Mean=12.5, Std. Dev.=7.045, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=4.516, Std. Dev.=2.061, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8927, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	1.4476	
5/18/2016	1.43	
7/27/2016	1.6	
9/21/2016	1.6	
11/4/2016	1.6	
1/24/2017	1.7	
3/29/2017	1.6	
6/8/2017	1.6	
9/29/2017	1.7	
3/15/2018	1.6	
9/13/2018	1.3	
3/18/2019	2.7	
9/11/2019	1.4	
3/11/2020		1.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	1.0624	
5/18/2016	1.41	
7/28/2016	1.4	
9/21/2016	1.2	
11/7/2016	1.4	
1/24/2017	<1.1 (*)	
3/30/2017	1.2	
6/9/2017	1.1	
9/29/2017	1.2	
3/15/2018	1.4	
9/14/2018	1.1	
3/19/2019	<1.1	
9/11/2019	1	
3/9/2020		1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

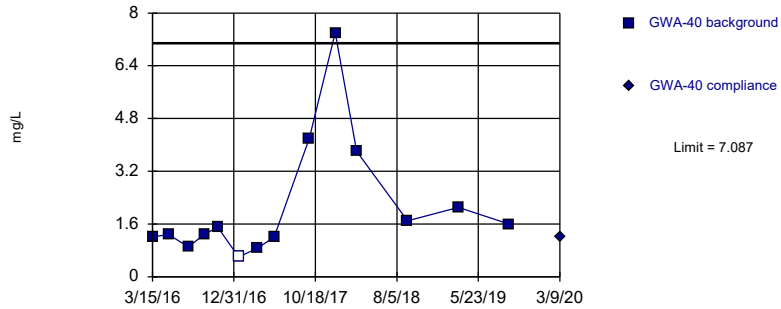
	GWA-39RZ	GWA-39RZ
5/16/2016	2.4 (D)	
7/27/2016	3.6 (D)	
2/21/2017	26 (D)	
3/27/2017	10 (D)	
6/8/2017	6.7 (D)	
7/17/2017	6.4 (D)	
7/27/2017	18 (D)	
8/9/2017	18 (D)	
9/29/2017	21 (D)	
3/16/2018	15.5	
9/14/2018	11.6	
3/14/2019	9.3	
9/10/2019	14	
3/9/2020		5.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	4.2598	
5/11/2016	6.05	
7/19/2016	9.5	
9/15/2016	6.7	
11/2/2016	5.4	
1/18/2017	5.5	
3/28/2017	2.9	
6/7/2017	2.3	
9/26/2017	3.2	
3/14/2018	3.8	
9/12/2018	3.7	
3/15/2019	3	
9/9/2019	2.4	
3/9/2020		0.84 (J)

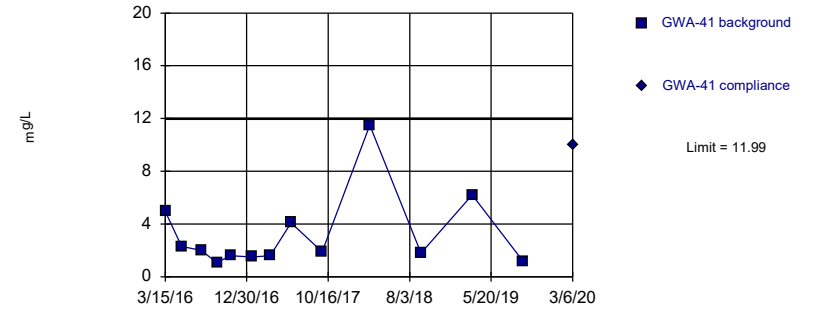
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.363, Std. Dev.=0.5295, n=14, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8304, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

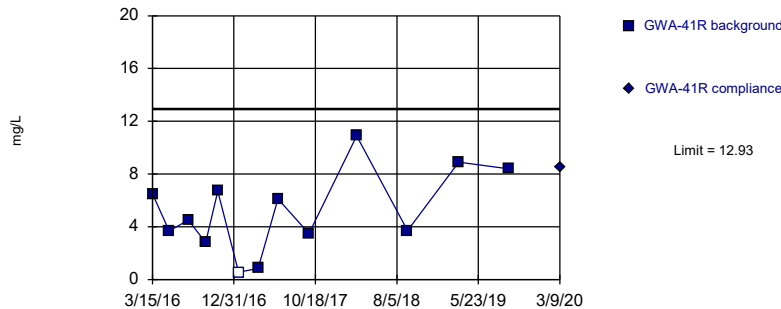
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=1.385, Std. Dev.=0.3607, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8339, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

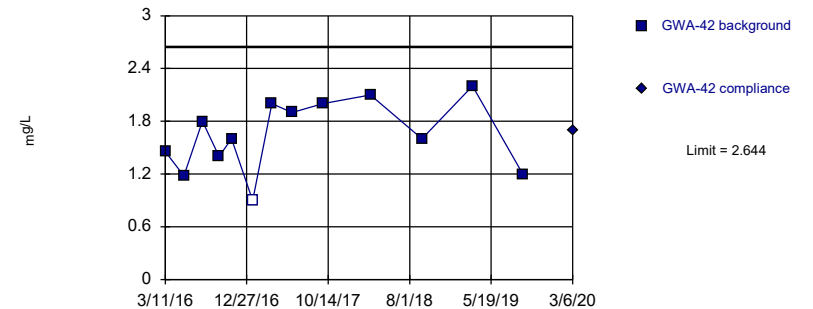
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=5.16, Std. Dev.=3.101, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9663, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.641, Std. Dev.=0.4006, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	1.2104	
5/11/2016	1.28	
7/21/2016	0.91 (J)	
9/19/2016	1.3	
11/3/2016	1.5	
1/17/2017	<1.2 (*)	
3/24/2017	0.86 (J)	
5/24/2017	1.2	
9/26/2017	4.2	
12/28/2017	7.4 (Y)	
3/14/2018	3.8	
9/12/2018	1.7	
3/13/2019	2.1	
9/9/2019	1.6	
3/9/2020		1.2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	4.9347	
5/12/2016	2.3	
7/20/2016	2	
9/15/2016	1.1	
11/3/2016	1.6	
1/18/2017	1.5	
3/24/2017	1.6	
6/6/2017	4.1	
9/25/2017	1.9	
3/14/2018	11.5	
9/12/2018	1.8	
3/14/2019	6.2	
9/10/2019	1.2	
3/6/2020		10

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

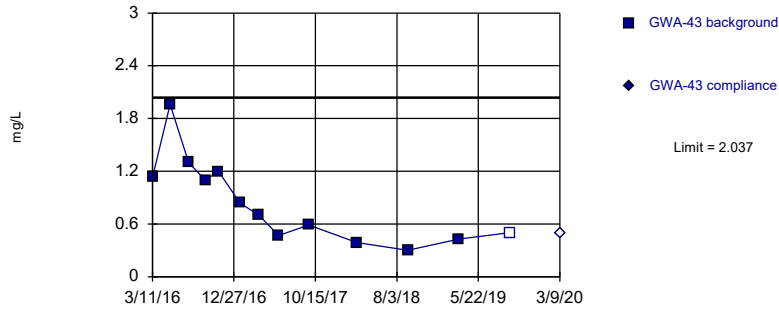
	GWA-41R	GWA-41R
3/15/2016	6.4987	
5/13/2016	3.68	
7/21/2016	4.5	
9/21/2016	2.8	
11/3/2016	6.7	
1/17/2017	<1.1 (*)	
3/27/2017	0.85 (J)	
6/6/2017	6.1	
9/25/2017	3.5	
3/14/2018	10.9 (J)	
9/12/2018	3.7	
3/14/2019	8.9	
9/10/2019	8.4	
3/9/2020		8.5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	1.4538	
5/16/2016	1.18	
7/22/2016	1.8	
9/19/2016	1.4	
11/3/2016	1.6	
1/17/2017	<1.8 (*)	
3/27/2017	2	
6/7/2017	1.9	
9/26/2017	2	
3/14/2018	2.1	
9/14/2018	1.6	
3/14/2019	2.2	
9/10/2019	1.2	
3/6/2020		1.7

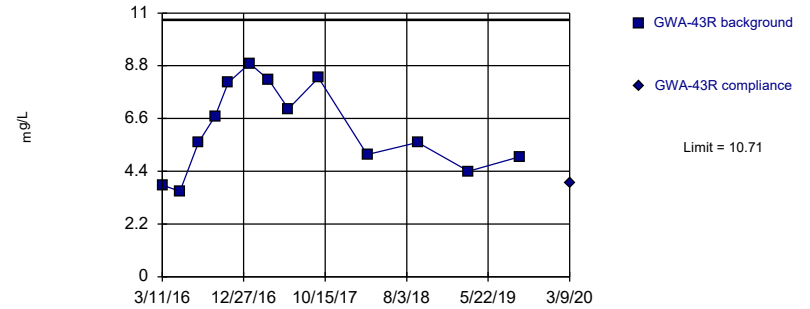
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.8393, Std. Dev.=0.4783, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8982, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

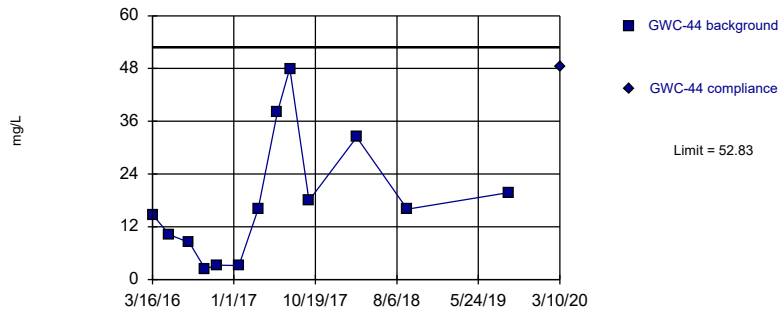
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=6.176, Std. Dev.=1.812, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9329, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

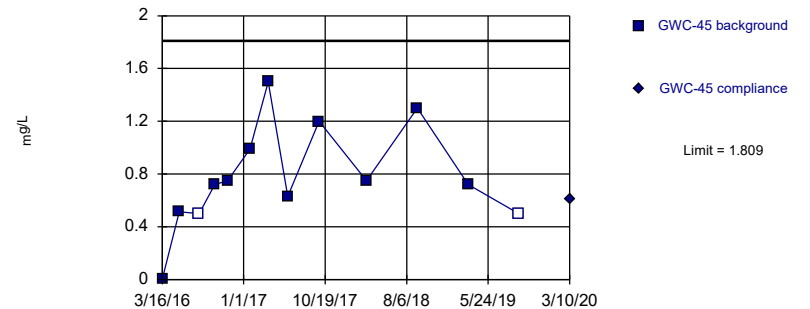
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=17.74, Std. Dev.=14.01, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8918, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7349, Std. Dev.=0.4287, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9496, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:13 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	1.1313	
5/13/2016	1.96	
7/19/2016	1.3	
9/16/2016	1.1	
11/2/2016	1.2	
1/18/2017	0.84 (J)	
3/28/2017	0.7 (J)	
6/6/2017	0.47 (J)	
9/22/2017	0.59 (J)	
3/14/2018	0.39 (J)	
9/12/2018	0.3 (J)	
3/13/2019	0.43 (X)	
9/11/2019	<1	
3/9/2020		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	3.8282	
5/13/2016	3.56	
7/19/2016	5.6	
9/16/2016	6.7	
11/2/2016	8.1	
1/18/2017	8.9	
3/28/2017	8.2	
6/6/2017	7	
9/22/2017	8.3	
3/15/2018	5.1	
9/12/2018	5.6	
3/13/2019	4.4	
9/11/2019	5	
3/9/2020		3.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	14.7828	
5/16/2016	10.2	
7/25/2016	8.4	
9/19/2016	2.5	
11/3/2016	3.3	
1/19/2017	3.2	
3/28/2017	16 (J)	
6/5/2017	38	
7/20/2017	48	
9/26/2017	18	
3/15/2018	32.4	
9/12/2018	16	
3/14/2019	79.7 (O)	
9/11/2019	19.8	
3/10/2020		48.5

Prediction Limit

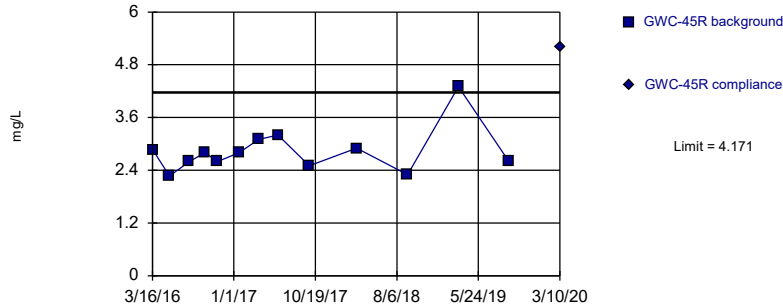
Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.00424 (J)	
5/16/2016	0.5151 (J)	
7/25/2016	<1 (*)	
9/19/2016	0.72 (J)	
11/4/2016	0.75 (J)	
1/23/2017	0.99 (J)	
3/29/2017	1.5	
6/7/2017	0.63 (J)	
9/27/2017	1.2	
3/15/2018	0.75 (J)	
9/13/2018	1.3	
3/14/2019	0.72 (X)	
9/11/2019	<1	
3/10/2020		0.61 (J)

Exceeds Limit

Prediction Limit
Intrawell Parametric

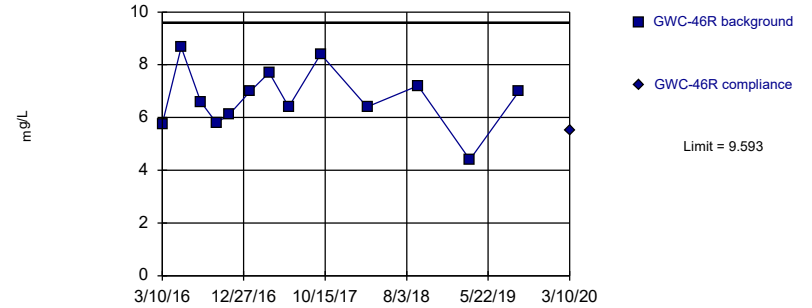


Background Data Summary (based on square root transformation): Mean=1.678, Std. Dev.=0.1456, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.852, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

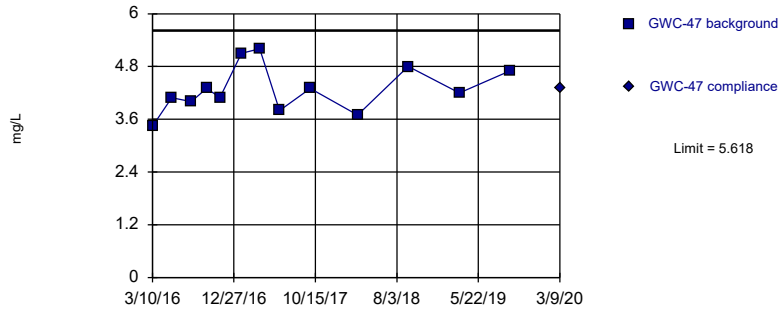


Background Data Summary: Mean=6.725, Std. Dev.=1.145, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9726, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

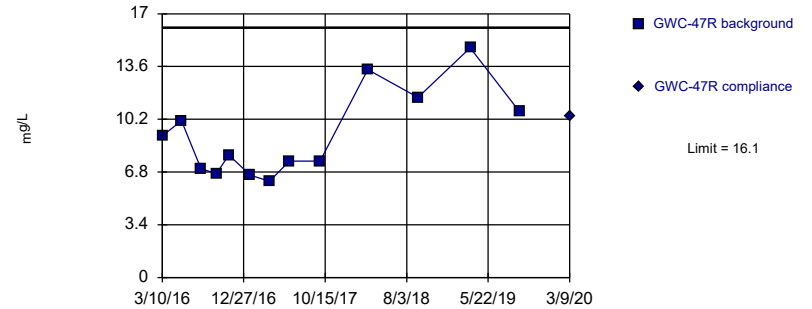


Background Data Summary: Mean=4.287, Std. Dev.=0.5315, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9587, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=9.164, Std. Dev.=2.771, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8903, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	2.8721	
5/16/2016	2.27	
7/25/2016	2.6	
9/19/2016	2.8	
11/3/2016	2.6	
1/20/2017	2.8	
3/29/2017	3.1	
6/7/2017	3.2	
9/27/2017	2.5	
3/15/2018	2.9	
9/13/2018	2.3	
3/14/2019	4.3	
9/11/2019	2.6	
3/10/2020		5.2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	5.7554	
5/17/2016	8.67	
7/26/2016	6.6	
9/20/2016	5.8	
11/4/2016	6.1	
1/20/2017	7	
3/28/2017	7.7	
6/7/2017	6.4	
9/29/2017	8.4	
3/15/2018	6.4	
9/13/2018	7.2	
3/18/2019	4.4	
9/11/2019	7	
3/10/2020		5.5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	3.4409	
5/18/2016	4.09	
7/27/2016	4	
9/20/2016	4.3	
11/7/2016	4.1	
1/23/2017	5.1	
3/29/2017	5.2	
6/8/2017	3.8	
9/27/2017	4.3	
3/15/2018	3.7	
9/13/2018	4.8	
3/15/2019	4.2	
9/12/2019	4.7	
3/9/2020		4.3

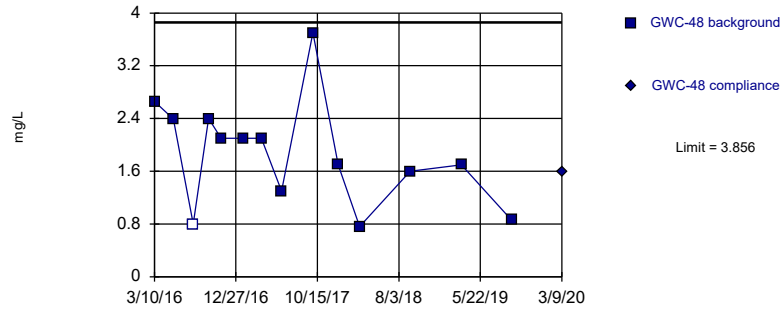
Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	9.1279	
5/18/2016	10.1	
7/27/2016	7	
9/20/2016	6.7	
11/4/2016	7.9	
1/20/2017	6.6	
3/29/2017	6.2	
6/8/2017	7.5	
9/27/2017	7.5	
3/16/2018	13.4	
9/13/2018	11.6	
3/19/2019	14.8	
9/11/2019	10.7	
3/9/2020		10.4

Within Limit

Prediction Limit
Intrawell Parametric

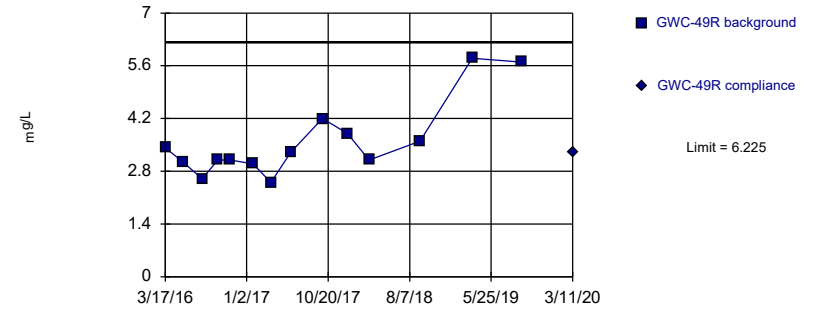


Background Data Summary: Mean=1.869, Std. Dev.=0.8101, n=14, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9427, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

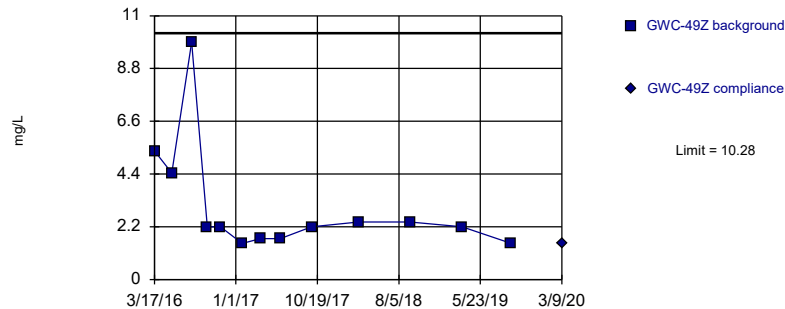


Background Data Summary (based on square root transformation): Mean=1.88, Std. Dev.=0.2508, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8429, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

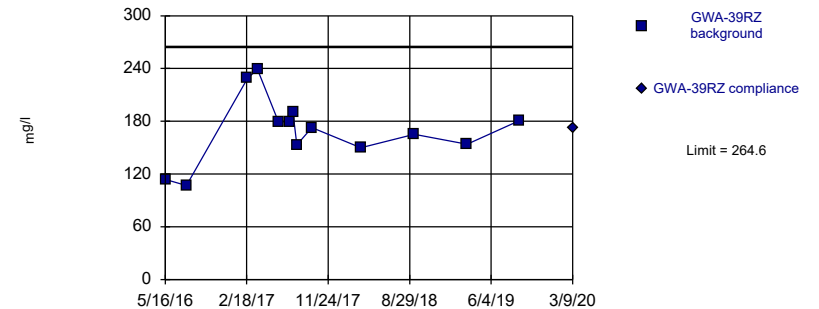


Background Data Summary (based on natural log transformation): Mean=0.9416, Std. Dev.=0.5543, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8165, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=170.3, Std. Dev.=37.67, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	2.6569	
5/17/2016	2.39	
7/27/2016	<1.6 (*)	
9/20/2016	2.4	
11/4/2016	2.1	
1/23/2017	2.1	
3/28/2017	2.1	
6/8/2017	1.3	
9/29/2017	3.7	
12/28/2017	1.7 (Y)	
3/15/2018	0.76 (J)	
9/13/2018	1.6	
3/15/2019	1.7	
9/11/2019	0.86 (X)	
3/9/2020		1.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	3.4197	
5/18/2016	3.06	
7/27/2016	2.6	
9/21/2016	3.1	
11/4/2016	3.1	
1/24/2017	3	
3/29/2017	2.5	
6/8/2017	3.3	
9/29/2017	4.2	
12/28/2017	3.8 (Y)	
3/15/2018	3.1	
9/13/2018	3.6	
3/18/2019	5.8	
9/11/2019	5.7	
3/11/2020		3.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

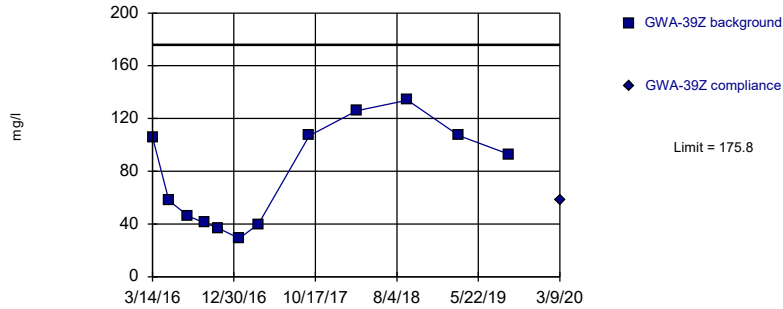
	GWC-49Z	GWC-49Z
3/17/2016	5.3658	
5/18/2016	4.44	
7/28/2016	9.9	
9/21/2016	2.2	
11/7/2016	2.2	
1/24/2017	1.5	
3/30/2017	1.7	
6/9/2017	1.7	
9/29/2017	2.2	
3/15/2018	2.4	
9/14/2018	2.4	
3/19/2019	2.2	
9/11/2019	1.5	
3/9/2020		1.5

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	114 (D)	
7/27/2016	107 (D)	
2/21/2017	229 (D)	
3/27/2017	239 (D)	
6/8/2017	179 (D)	
7/17/2017	180 (D)	
7/27/2017	190 (D)	
8/9/2017	153 (D)	
9/29/2017	173 (D)	
3/16/2018	150	
9/14/2018	165	
3/14/2019	154	
9/10/2019	181	
3/9/2020		173

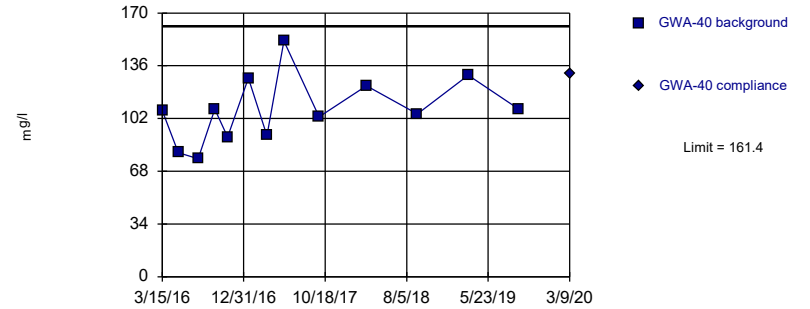
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=77, Std. Dev.=38.66, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.874, critical = 0.805. Kappa = 2.556 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

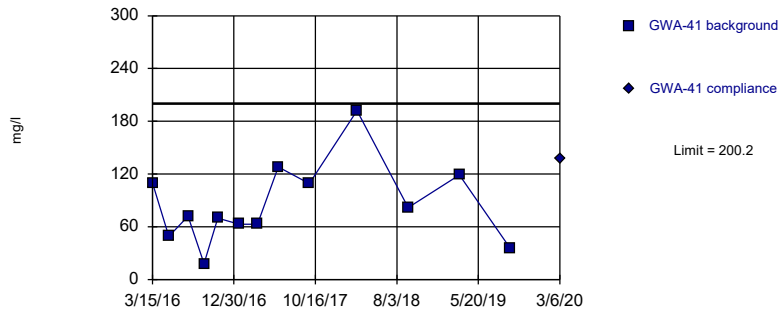
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=107.8, Std. Dev.=21.41, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9607, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

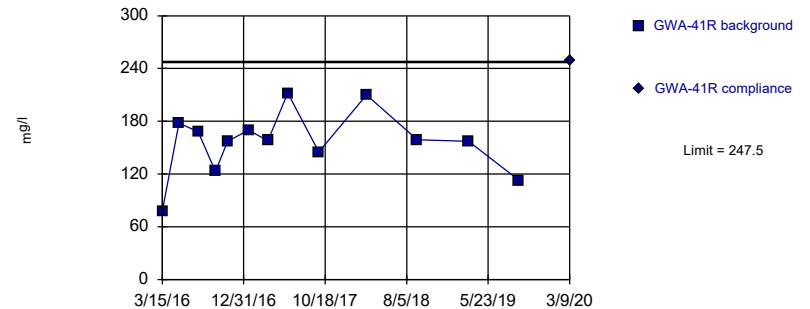
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=85.46, Std. Dev.=45.83, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9462, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=156, Std. Dev.=36.55, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	106	
5/11/2016	58	
7/19/2016	46	
9/15/2016	41	
11/2/2016	37	
1/18/2017	29	
3/28/2017	40	
9/26/2017	107	
3/14/2018	126	
9/12/2018	134	
3/15/2019	107	
9/9/2019	93	
3/9/2020		58

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	107	
5/11/2016	80	
7/21/2016	76	
9/19/2016	108	
11/3/2016	90	
1/17/2017	128	
3/24/2017	91	
5/24/2017	152	
9/26/2017	103	
3/14/2018	123	
9/12/2018	105	
3/13/2019	130	
9/9/2019	108	
3/9/2020		131

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	110	
5/12/2016	49	
7/20/2016	72	
9/15/2016	18 (J)	
11/3/2016	70	
1/18/2017	63	
3/24/2017	63	
6/6/2017	128	
9/25/2017	109	
3/14/2018	192	
9/12/2018	82	
3/14/2019	119	
9/10/2019	36	
3/6/2020		137

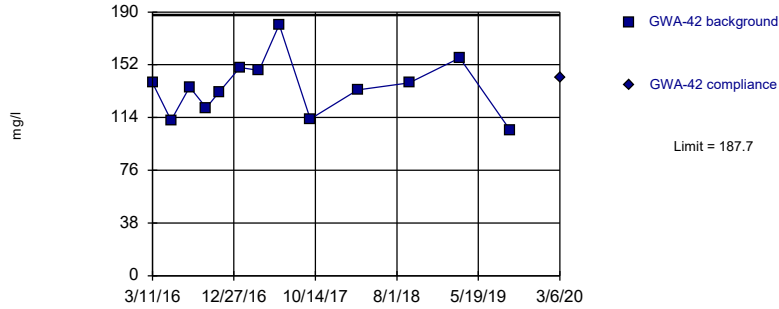
Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	78	
5/13/2016	178	
7/21/2016	168	
9/21/2016	123	
11/3/2016	157	
1/17/2017	170	
3/27/2017	158	
6/6/2017	212	
9/25/2017	145	
3/14/2018	210	
9/12/2018	159	
3/14/2019	157	
9/10/2019	113	
3/9/2020		249

Within Limit

Prediction Limit
Intrawell Parametric

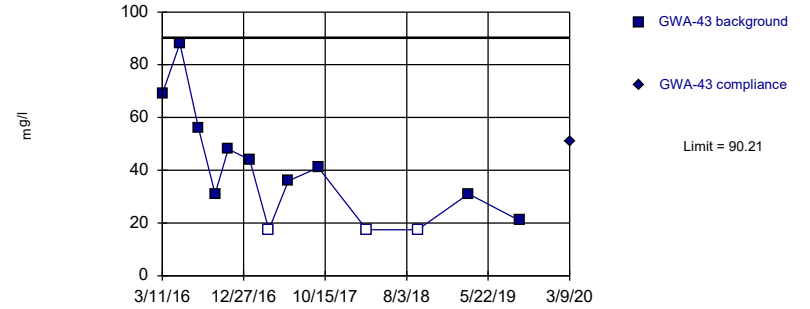


Background Data Summary: Mean=135.9, Std. Dev.=20.69, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9614, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

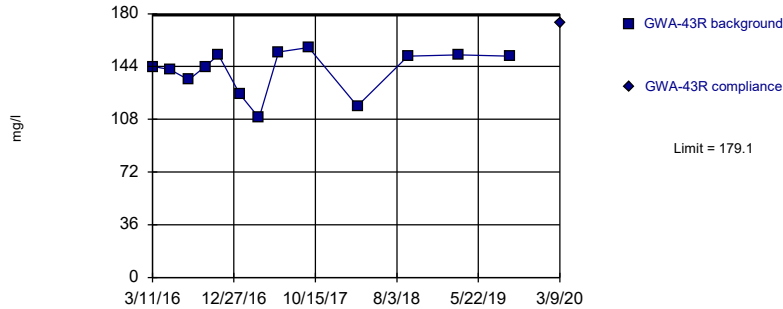


Background Data Summary (after Kaplan-Meier Adjustment): Mean=40.62, Std. Dev.=19.8, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9041, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

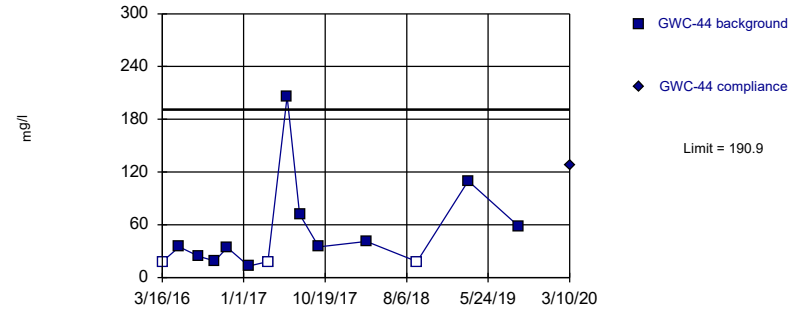


Background Data Summary: Mean=141, Std. Dev.=15.22, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8575, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=3.427, Std. Dev.=0.9504, n=14, 21.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8593, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	139	
5/16/2016	112	
7/22/2016	136	
9/19/2016	121	
11/3/2016	132	
1/17/2017	150	
3/27/2017	148	
6/7/2017	181	
9/26/2017	113	
3/14/2018	134	
9/14/2018	139	
3/14/2019	157	
9/10/2019	105	
3/6/2020		143

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	69	
5/13/2016	88	
7/19/2016	56	
9/16/2016	31	
11/2/2016	48	
1/18/2017	44	
3/28/2017	<35	
6/6/2017	36	
9/22/2017	41	
3/14/2018	<35	
9/12/2018	<35	
3/13/2019	31	
9/11/2019	21	
3/9/2020		51

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	144	
5/13/2016	142	
7/19/2016	135	
9/16/2016	144	
11/2/2016	152	
1/18/2017	125	
3/28/2017	109	
6/6/2017	154	
9/22/2017	157	
3/15/2018	117	
9/12/2018	151	
3/13/2019	152	
9/11/2019	151	
3/9/2020		174

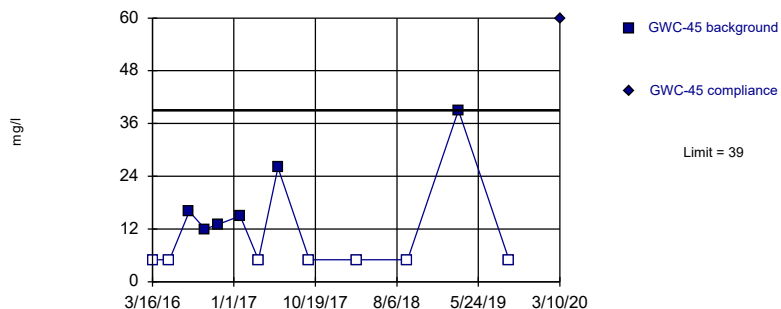
Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<36	
5/16/2016	35	
7/25/2016	24 (J)	
9/19/2016	19 (J)	
11/3/2016	34	
1/19/2017	13 (J)	
3/28/2017	<36	
6/5/2017	206	
7/20/2017	72	
9/26/2017	35	
3/15/2018	41	
9/12/2018	<36	
3/14/2019	110	
9/11/2019	58	
3/10/2020		127

Exceeds Limit

Prediction Limit Intrawell Non-parametric

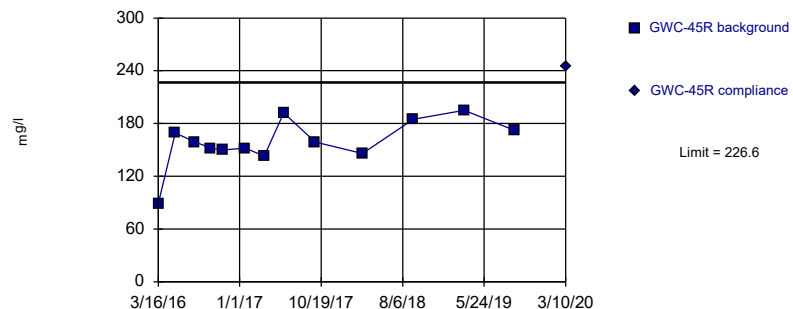


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 53.85% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit Intrawell Parametric

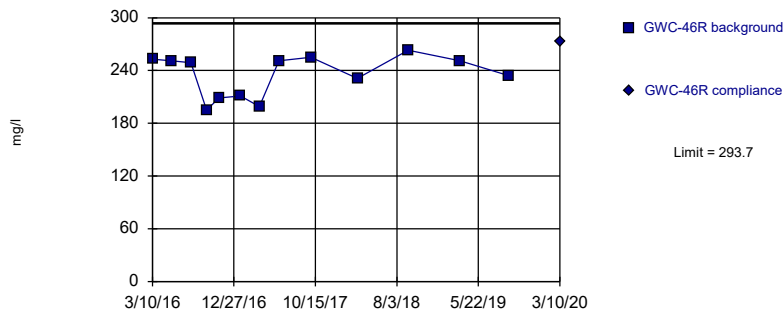


Background Data Summary: Mean=158.7, Std. Dev.=27.13, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8868, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

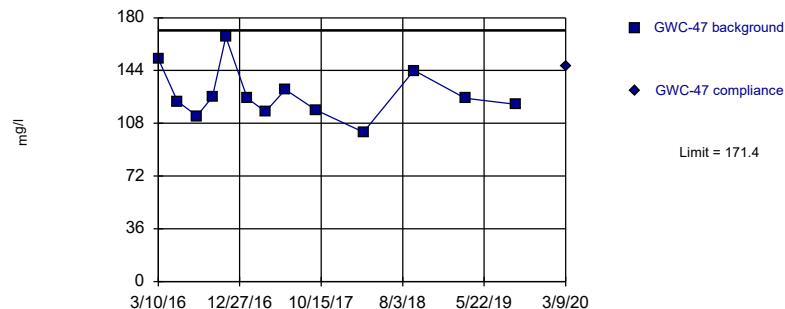


Background Data Summary: Mean=234.8, Std. Dev.=23.52, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8616, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=127.8, Std. Dev.=17.38, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<10	
5/16/2016	<10	
7/25/2016	16 (J)	
9/19/2016	12 (J)	
11/4/2016	13 (J)	
1/23/2017	15 (J)	
3/29/2017	<10	
6/7/2017	26	
9/27/2017	<10	
3/15/2018	<10	
9/13/2018	<10	
3/14/2019	39 (X)	
9/11/2019	<10	
3/10/2020		60

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	89	
5/16/2016	169	
7/25/2016	159	
9/19/2016	152	
11/3/2016	150	
1/20/2017	152	
3/29/2017	143	
6/7/2017	192	
9/27/2017	159	
3/15/2018	146	
9/13/2018	185	
3/14/2019	195	
9/11/2019	172	
3/10/2020		245

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	253	
5/17/2016	251	
7/26/2016	249	
9/20/2016	195	
11/4/2016	209	
1/20/2017	211	
3/28/2017	199	
6/7/2017	251	
9/29/2017	255	
3/15/2018	231	
9/13/2018	263	
3/18/2019	251	
9/11/2019	234	
3/10/2020		273

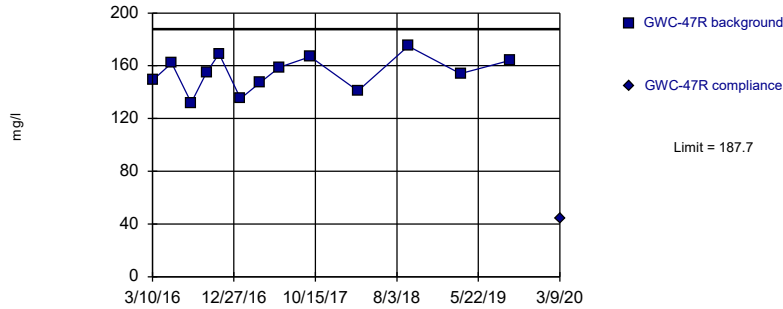
Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	152	
5/18/2016	123	
7/27/2016	113	
9/20/2016	126	
11/7/2016	167	
1/23/2017	125	
3/29/2017	116	
6/8/2017	131	
9/27/2017	117	
3/15/2018	102	
9/13/2018	144	
3/15/2019	125	
9/12/2019	121	
3/9/2020		147

Within Limit

Prediction Limit
Intrawell Parametric

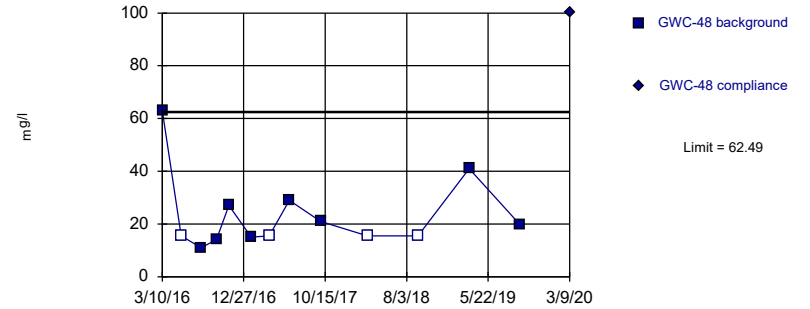


Background Data Summary: Mean=154.5, Std. Dev.=13.26, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9695, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

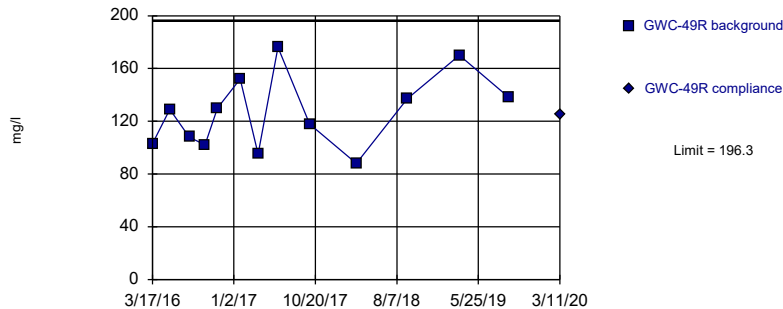


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.798, Std. Dev.=1.241, n=13, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8167, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

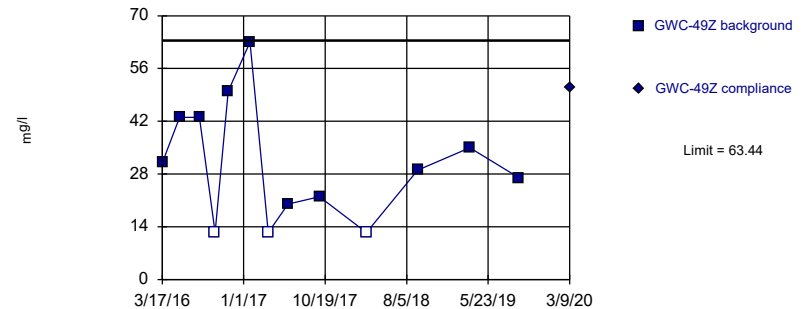


Background Data Summary: Mean=126.6, Std. Dev.=27.83, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9499, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=31.4, Std. Dev.=12.79, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9369, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:14 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	149	
5/18/2016	162	
7/27/2016	132	
9/20/2016	155	
11/4/2016	169	
1/20/2017	135	
3/29/2017	147	
6/8/2017	159	
9/27/2017	167	
3/16/2018	141	
9/13/2018	175	
3/19/2019	154	
9/11/2019	164	
3/9/2020		44

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	63	
5/17/2016	<31	
7/27/2016	11 (J)	
9/20/2016	14 (J)	
11/4/2016	27	
1/23/2017	15 (J)	
3/28/2017	<31	
6/8/2017	29	
9/29/2017	21 (J)	
3/15/2018	<31	
9/13/2018	<31	
3/15/2019	41	
9/11/2019	20	
3/9/2020		100

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	103	
5/18/2016	129	
7/27/2016	108	
9/21/2016	102	
11/4/2016	130	
1/24/2017	152	
3/29/2017	95	
6/8/2017	176	
9/29/2017	118	
3/15/2018	88	
9/13/2018	137	
3/18/2019	170	
9/11/2019	138	
3/11/2020		125

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 4/17/2020 10:17 AM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	31	
5/18/2016	43	
7/28/2016	43	
9/21/2016	<25	
11/7/2016	50	
1/24/2017	63	
3/30/2017	<25	
6/9/2017	20 (J)	
9/29/2017	22 (J)	
3/15/2018	<25	
9/14/2018	29	
3/19/2019	35	
9/11/2019	27	
3/9/2020		51

FIGURE I.

Interwell Prediction Limits (CCR) - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:26 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-44	7.89	5.5	3/10/2020	4.44	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-45	7.89	5.5	3/10/2020	4.98	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-48	7.89	5.5	3/9/2020	5.18	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-49R	7.89	5.5	3/11/2020	8.19	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2

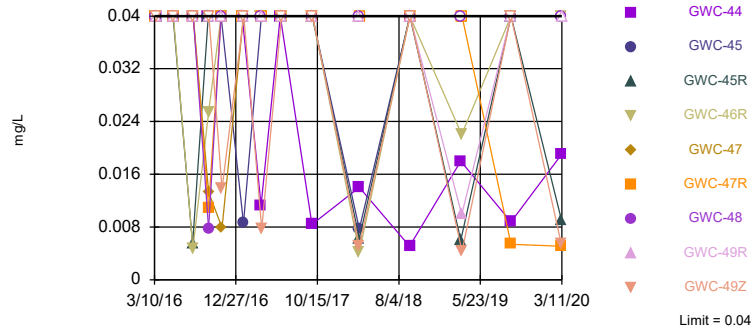
Interwell Prediction Limits (CCR) - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:21 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-44	0.04	n/a	3/10/2020	0.019	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-45	0.04	n/a	3/10/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-45R	0.04	n/a	3/10/2020	0.009	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-46R	0.04	n/a	3/10/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-47	0.04	n/a	3/9/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-47R	0.04	n/a	3/9/2020	0.0051	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-48	0.04	n/a	3/9/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-49R	0.04	n/a	3/11/2020	0.04ND	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Boron (mg/L)	GWC-49Z	0.04	n/a	3/9/2020	0.0055	112	n/a	n/a	62.5	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-44	0.3	n/a	3/10/2020	0.13	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-45	0.3	n/a	3/10/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-45R	0.3	n/a	3/10/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-46R	0.3	n/a	3/10/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-47	0.3	n/a	3/9/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-47R	0.3	n/a	3/9/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-48	0.3	n/a	3/9/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-49R	0.3	n/a	3/11/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-49Z	0.3	n/a	3/9/2020	0.3ND	112	n/a	n/a	54.46	n/a	n/a	0.0001579	NP (NDs) 1 of 2
pH (pH units)	GWC-44	7.89	5.5	3/10/2020	4.44	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-45	7.89	5.5	3/10/2020	4.98	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-45R	7.89	5.5	3/10/2020	7.05	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-46R	7.89	5.5	3/10/2020	7.44	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-47	7.89	5.5	3/9/2020	7.19	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-47R	7.89	5.5	3/9/2020	7.51	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-48	7.89	5.5	3/9/2020	5.18	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-49R	7.89	5.5	3/11/2020	8.19	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2
pH (pH units)	GWC-49Z	7.89	5.5	3/9/2020	5.6	117	n/a	n/a	0	n/a	n/a	0.0002868	NP (normality) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric



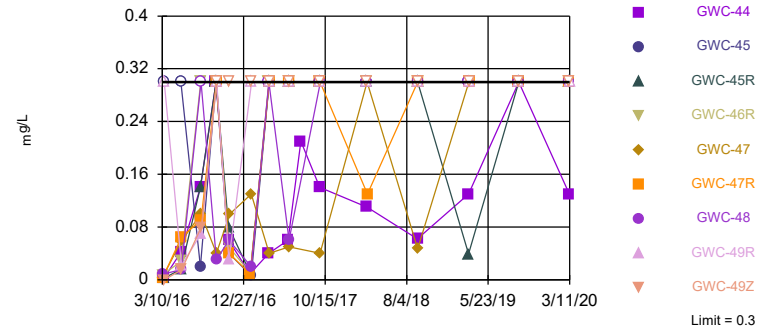
Limit = 0.04

Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 112 background values. 62.5% NDs. Annual per-constituent alpha = 0.002838. Individual comparison alpha = 0.0001579 (1 of 2). Comparing 9 points to limit.

Constituent: Boron Analysis Run 4/17/2020 10:19 AM View: CCR PL's Interwell
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Interwell Non-parametric



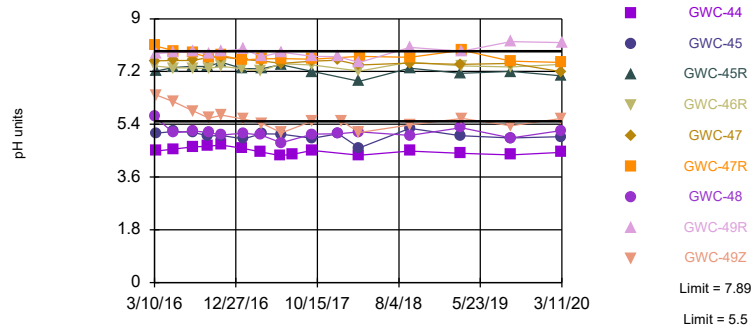
Limit = 0.3

Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 112 background values. 54.46% NDs. Annual per-constituent alpha = 0.002838. Individual comparison alpha = 0.0001579 (1 of 2). Comparing 9 points to limit.

Constituent: Fluoride Analysis Run 4/17/2020 10:19 AM View: CCR PL's Interwell
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limits: GWC-44, GWC-45, GWC-48, GWC-49R

Prediction Limit
 Interwell Non-parametric



Limit = 7.89

Limit = 5.5

Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 117 background values. Annual per-constituent alpha = 0.005156. Individual comparison alpha = 0.0002868 (1 of 2). Comparing 9 points to limit.

Constituent: pH Analysis Run 4/17/2020 10:19 AM View: CCR PL's Interwell
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/17/2020 10:21 AM View: CCR PL's Interwell
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44	GWC-49Z	GWC-49R	GWA-39RZ (bg)
3/10/2016								
3/11/2016								
3/14/2016								
3/15/2016	<0.04	<0.04						
3/16/2016			<0.04	<0.04	<0.04			
3/17/2016						<0.04	<0.04	
5/11/2016		<0.04						
5/12/2016								
5/13/2016	<0.04							
5/16/2016			<0.04	<0.04	<0.04			<0.04 (D)
5/17/2016								
5/18/2016						<0.04	<0.04	
7/19/2016								
7/20/2016								
7/21/2016	<0.04 (*)	<0.04						
7/22/2016								
7/25/2016			0.0054 (J)	<0.04	<0.04			
7/26/2016								
7/27/2016							<0.04 (*)	<0.04 (*)
7/28/2016						<0.04 (*)		
9/15/2016		<0.04						
9/16/2016								
9/19/2016			<0.04	<0.04	<0.04			
9/20/2016								
9/21/2016	<0.04 (*)					<0.04 (*)	<0.04 (*)	
11/2/2016								
11/3/2016	<0.04	<0.04 (*)	<0.04		<0.04			
11/4/2016				<0.04			<0.04	
11/7/2016						0.0138 (J)		
1/17/2017	<0.04	<0.04						
1/18/2017								
1/19/2017					<0.04			
1/20/2017			<0.04					
1/23/2017				0.0086 (J)				
1/24/2017						<0.04	<0.04	
2/21/2017								0.0218 (JD)
3/24/2017		<0.04						
3/27/2017	0.0173 (J)							0.0262 (JD)
3/28/2017					0.0113 (J)			
3/29/2017			<0.04	<0.04			<0.04	
3/30/2017						0.0077 (J)		
5/24/2017		<0.04						
6/5/2017					<0.04 (*)			
6/6/2017	<0.04 (*)							
6/7/2017			<0.04 (*)	<0.04 (*)				
6/8/2017							<0.04	0.0067 (JD)
6/9/2017						<0.04		
7/17/2017								0.0165 (JD)
7/27/2017								0.0138 (JD)
8/9/2017								0.0069 (JD)
9/22/2017								
9/25/2017	0.0141 (J)							

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/17/2020 10:21 AM View: CCR PL's Interwell
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44	GWC-49Z	GWC-49R	GWA-39RZ (bg)
9/26/2017		0.0075 (J)			0.0084 (J)			
9/27/2017			<0.04	<0.04				
9/29/2017						<0.04	<0.04	0.0066 (JD)
3/14/2018	0.014 (J)	0.0093 (J)						
3/15/2018			0.0063 (J)	0.0077 (J)	0.014 (J)	0.0052 (J)	<0.04	
3/16/2018								0.0067 (J)
9/12/2018	0.013 (J)	<0.04			0.0051 (J)			
9/13/2018			<0.04	<0.04			<0.04	
9/14/2018						<0.04		0.0059 (J)
3/13/2019		<0.04						
3/14/2019	0.015 (X)		0.006 (X)	<0.04	0.018 (X)			0.0059 (X)
3/15/2019								
3/18/2019							0.0099 (X)	
3/19/2019						0.0043 (X)		
9/9/2019		<0.04						
9/10/2019	0.015 (X)							0.0081 (X)
9/11/2019			<0.04	<0.04	0.0088 (X)	<0.04	<0.04	
9/12/2019								
3/6/2020								
3/9/2020	0.021 (J)	0.0074 (J)				0.0055 (J)		0.0065 (J)
3/10/2020			0.009 (J)	<0.04	0.019 (J)			
3/11/2020							<0.04	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2020 10:21 AM View: CCR PL's Interwell

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-48	GWC-47	GWC-47R	GWA-43 (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)
3/10/2016	0.00697 (J)	0.00797 (J)	0.00337 (J)	0.00202 (J)					
3/11/2016					0.0329 (J)	0.0141 (J)	0.0296 (J)		
3/14/2016								0.0657 (J)	
3/15/2016									<0.3
3/16/2016									
3/17/2016									
5/11/2016								0.0401 (J)	0.0255 (J)
5/12/2016									
5/13/2016					0.0459 (J)	0.0141 (J)			
5/16/2016							0.0287 (J)		
5/17/2016	0.0281 (J)	0.0156 (J)							
5/18/2016			0.059 (J)	0.065 (J)					
7/19/2016					<0.3	<0.3		<0.3	
7/20/2016									
7/21/2016									<0.3
7/22/2016							0.04 (J)		
7/25/2016									
7/26/2016	<0.3								
7/27/2016		<0.3	0.1 (J)	0.09 (J)					
7/28/2016									
9/15/2016								<0.3	
9/16/2016					<0.3	<0.3			
9/19/2016							<0.3		<0.3
9/20/2016	<0.3	0.03 (J)	0.04 (J)	<0.3					
9/21/2016									
11/2/2016					0.04 (J)	0.04 (J)		0.04 (J)	
11/3/2016							0.04 (J)		0.11 (J)
11/4/2016	0.05 (J)	0.06 (J)		0.04 (J)					
11/7/2016			0.1 (J)						
1/17/2017							0.02 (J)		0.02 (J)
1/18/2017					<0.3	0.02 (J)		0.03 (J)	
1/19/2017									
1/20/2017	0.01 (J)			0.009 (J)					
1/23/2017		0.02 (J)	0.13 (J)						
1/24/2017									
2/21/2017									
3/24/2017									<0.3
3/27/2017							<0.3		
3/28/2017	<0.3	<0.3			<0.3	<0.3		0.06 (J)	
3/29/2017			0.04 (J)	<0.3					
3/30/2017									
5/24/2017									<0.3
6/5/2017									
6/6/2017					<0.3	<0.3			
6/7/2017	<0.3						<0.3	0.06 (J)	
6/8/2017		0.06 (J)	0.05 (J)	<0.3 (*)					
6/9/2017									
7/17/2017									
7/20/2017									
7/27/2017									
8/9/2017									
9/22/2017					<0.3	<0.3			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2020 10:21 AM View: CCR PL's Interwell
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R (bg)	GWA-41 (bg)	GWC-45R	GWC-45	GWC-44	GWC-49R	GWC-49Z	GWA-39RZ (bg)
9/25/2017	<0.3	<0.3						
9/26/2017					0.14 (J)			
9/27/2017			<0.3	<0.3				
9/29/2017						<0.3	<0.3	0.04 (JD)
3/14/2018	<0.3	<0.3						
3/15/2018			<0.3	<0.3	0.11 (J)	<0.3	<0.3	
3/16/2018								0.27 (J)
9/12/2018	<0.3	<0.3			0.062 (J)			
9/13/2018			<0.3	<0.3		<0.3		
9/14/2018							<0.3	0.1 (J)
3/13/2019								
3/14/2019	0.04 (X)	0.039 (X)	0.039 (X)	<0.3	0.13 (X)			0.066 (X)
3/15/2019								
3/18/2019						<0.3		
3/19/2019							<0.3	
9/9/2019								
9/10/2019	<0.3	<0.3						0.055 (X)
9/11/2019			<0.3	<0.3	<0.3	<0.3	<0.3	
9/12/2019								
3/6/2020		<0.3						
3/9/2020	<0.3						<0.3	<0.3
3/10/2020			<0.3	<0.3	0.13 (J)			
3/11/2020						<0.3		

Prediction Limit

Constituent: pH (pH units) Analysis Run 4/17/2020 10:21 AM View: CCR PL's Interwell
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44	GWC-49R	GWC-49Z	GWA-39RZ (bg)
8/9/2017								7.73
9/22/2017								
9/25/2017	6.88							
9/26/2017		7.66			4.51			
9/27/2017			7.2	4.92				
9/29/2017						7.72	5.51	7.7 (D)
12/28/2017		7.34 (Y)				7.71 (Y)		
12/29/2017				5.08 (Y)				
1/10/2018							5.51 (Y)	
3/14/2018	7.04	7.56						
3/15/2018			6.87	4.6	4.34	7.51	5.12	
3/16/2018								7.49
9/12/2018	7.02	7.12			4.49			
9/13/2018			7.31	5.26		8.02		
9/14/2018							5.38	7.32
3/13/2019		7.12						
3/14/2019	6.93		7.14	5.01	4.41			7.46
3/15/2019								
3/18/2019						7.89		
3/19/2019							5.6	
9/9/2019		7.07						
9/10/2019	6.72							7.48
9/11/2019			7.2	4.93	4.36	8.22	5.35	
9/12/2019								
3/6/2020								
3/9/2020	6.7	7.5					5.6	7.68
3/10/2020			7.05	4.98	4.44			
3/11/2020						8.19		

FIGURE J.

Trend Test Summary (CCR) - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:40 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-42 (bg)	1.37	46	44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-43 (bg)	-2.809	-83	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-39Z (bg)	-0.1705	-50	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-41R (bg)	-0.1285	-59	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-43 (bg)	-0.2715	-81	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.222	-53	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.3274	-60	-44	Yes	14	14.29	n/a	n/a	0.02	NP

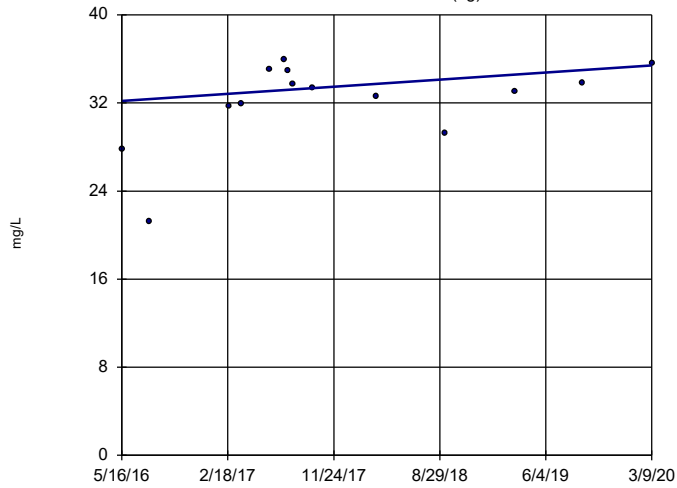
Trend Test Summary (CCR) - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 4/17/2020, 10:40 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-39RZ (bg)	0.8466	27	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-39Z (bg)	3.1	27	48	No	15	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-40 (bg)	0.8512	14	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-41 (bg)	1.53	15	44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-41R (bg)	-1.923	-34	-44	No	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-42 (bg)	1.37	46	44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-43 (bg)	-2.809	-83	-44	Yes	14	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWA-43R (bg)	1.003	40	48	No	15	0	n/a	n/a	0.02	NP
Calcium (mg/L)	GWC-45R	1.881	35	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-39RZ (bg)	-0.06289	-4	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-39Z (bg)	-0.1705	-50	-44	Yes	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-40 (bg)	0.1591	23	48	No	15	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-41 (bg)	-0.1257	-25	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-41R (bg)	-0.4888	-38	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-42 (bg)	0.2544	26	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-43 (bg)	0	3	44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWA-43R (bg)	-0.07549	-4	-44	No	14	0	n/a	n/a	0.02	NP
Chloride (mg/L)	GWC-45R	0.1184	24	44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-39RZ (bg)	-0.03667	-27	-53	No	16	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-39Z (bg)	0.09672	13	48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-40 (bg)	-0.01848	-13	-53	No	16	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-41 (bg)	0.04112	7	39	No	13	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-41R (bg)	-0.1285	-59	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-42 (bg)	0.007074	10	44	No	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-43 (bg)	-0.2715	-81	-44	Yes	14	0	n/a	n/a	0.02	NP
pH (pH units)	GWA-43R (bg)	-0.02739	-35	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-44	-0.06045	-40	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-45	-0.03496	-30	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-48	-0.03869	-18	-48	No	15	0	n/a	n/a	0.02	NP
pH (pH units)	GWC-49R	0.07032	23	48	No	15	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-39RZ (bg)	1.474	8	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.222	-53	-44	Yes	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-40 (bg)	0.1962	26	48	No	15	6.667	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-41 (bg)	0.3359	10	44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-41R (bg)	1.016	27	44	No	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-42 (bg)	0.1365	27	44	No	14	7.143	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.3274	-60	-44	Yes	14	14.29	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWA-43R (bg)	-0.3022	-6	-44	No	14	0	n/a	n/a	0.02	NP
Sulfate (mg/L)	GWC-45R	0.2672	25	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-39RZ (bg)	-2.179	-2	-44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-39Z (bg)	6.184	12	39	No	13	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-40 (bg)	8.873	40	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-41 (bg)	14.67	24	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-41R (bg)	10.03	12	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-42 (bg)	2.709	12	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-43 (bg)	-11.12	-39	-44	No	14	21.43	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWA-43R (bg)	5.083	26	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWC-45	0	14	44	No	14	50	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWC-45R	16.64	37	44	No	14	0	n/a	n/a	0.02	NP
Total Dissolved Solids (mg/l)	GWC-48	2.852	27	44	No	14	28.57	n/a	n/a	0.02	NP

Sen's Slope Estimator

GWA-39RZ (bg)

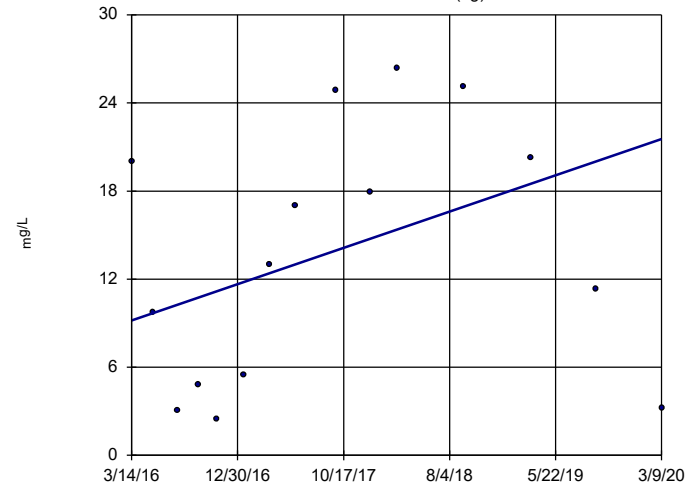


n = 14
 Slope = 0.8466
 units per year.
 Mann-Kendall
 statistic = 27
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-39Z (bg)

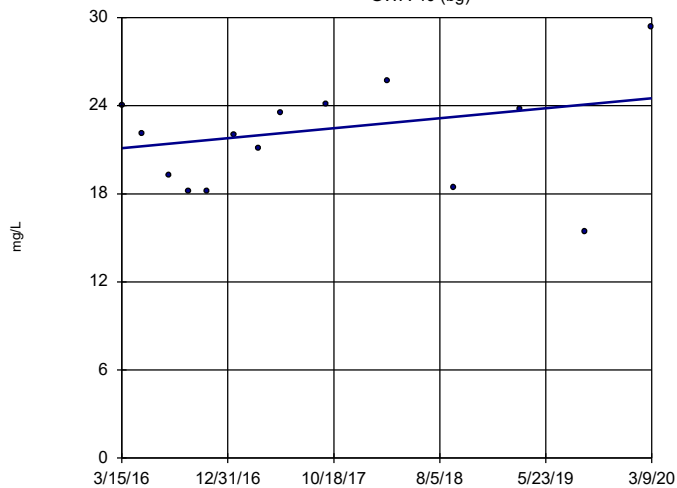


n = 15
 Slope = 3.1
 units per year.
 Mann-Kendall
 statistic = 27
 critical = 48
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-40 (bg)

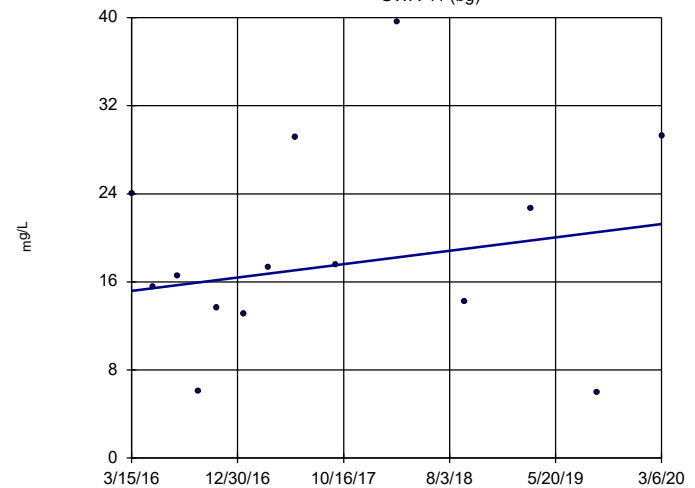


n = 14
 Slope = 0.8512
 units per year.
 Mann-Kendall
 statistic = 14
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41 (bg)

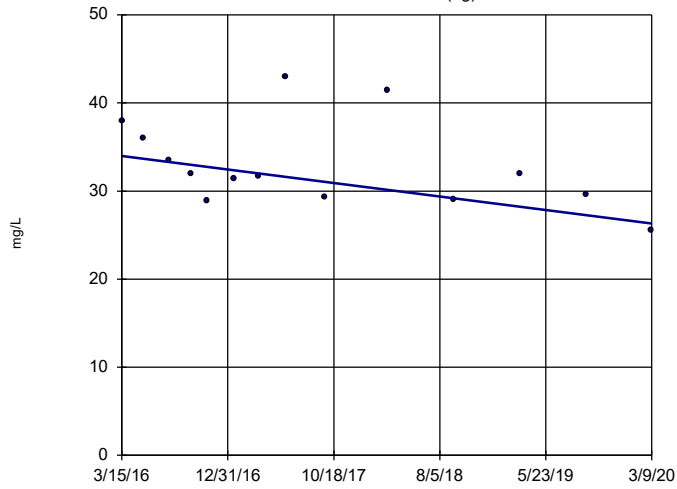


n = 14
 Slope = 1.53
 units per year.
 Mann-Kendall
 statistic = 15
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41R (bg)

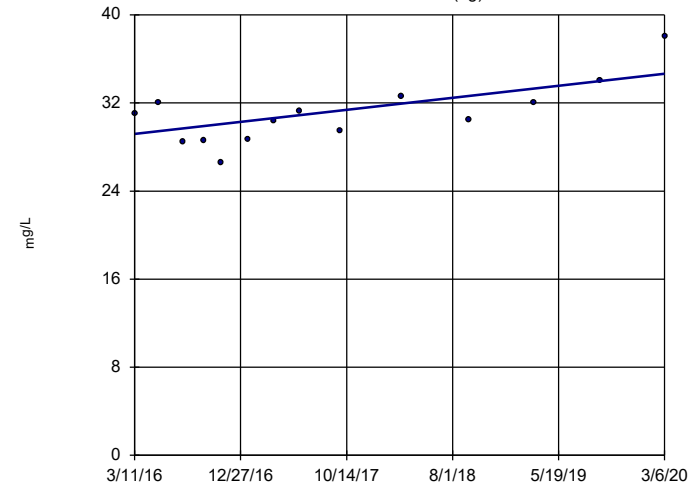


n = 14
 Slope = -1.923
 units per year.
 Mann-Kendall
 statistic = -34
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-42 (bg)

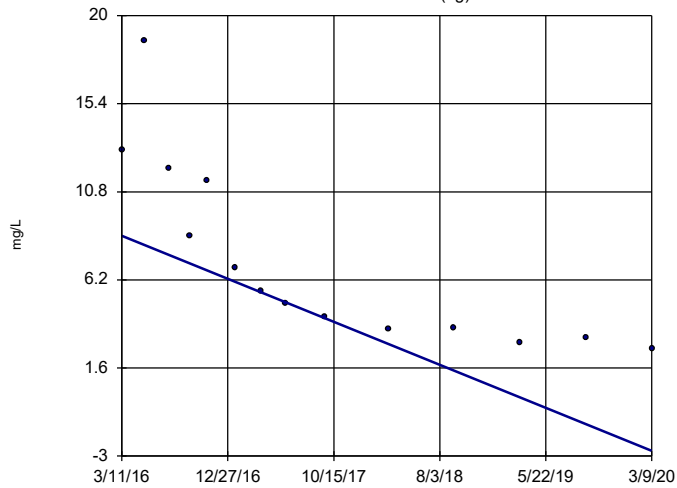


n = 14
 Slope = 1.37
 units per year.
 Mann-Kendall
 statistic = 46
 critical = 44
 Increasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43 (bg)

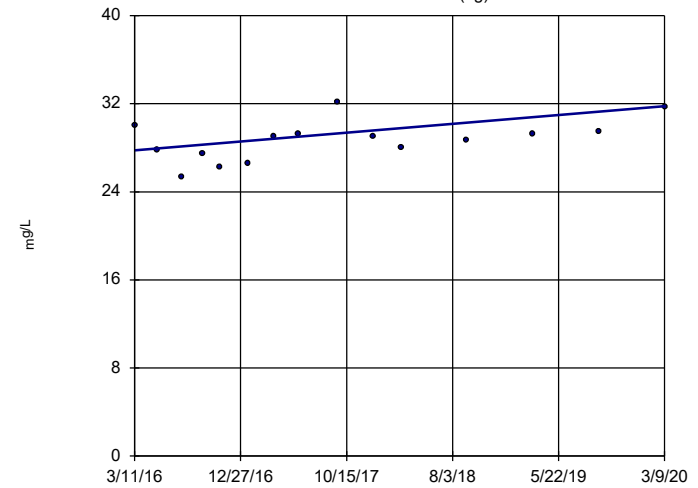


n = 14
 Slope = -2.809
 units per year.
 Mann-Kendall
 statistic = -83
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43R (bg)

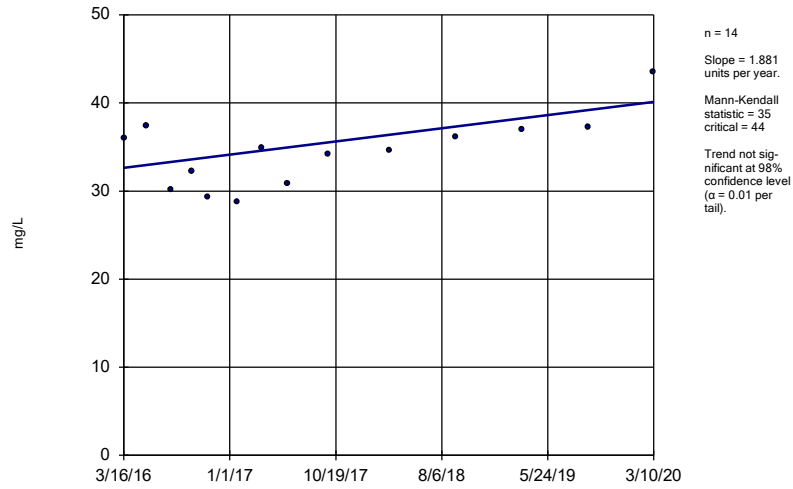


n = 15
 Slope = 1.003
 units per year.
 Mann-Kendall
 statistic = 40
 critical = 48
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

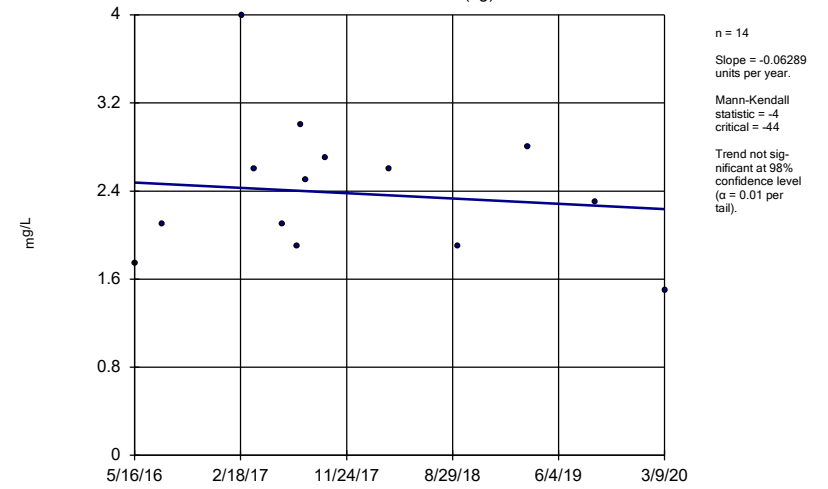
GWC-45R



Constituent: Calcium Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

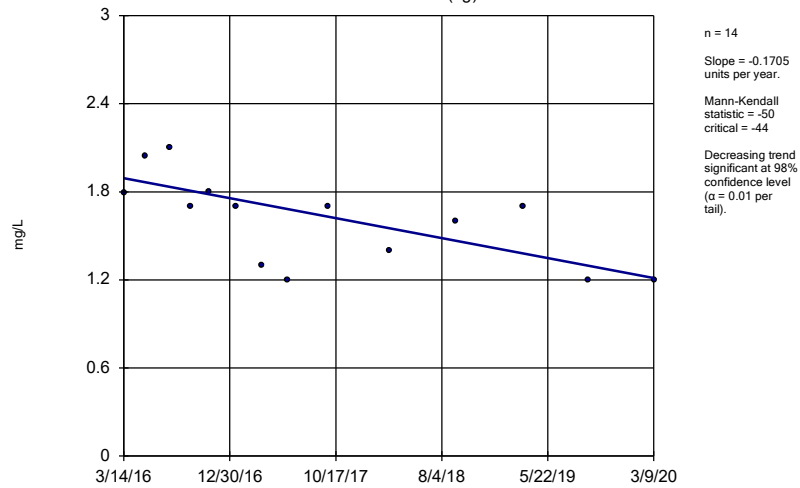
GWA-39RZ (bg)



Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

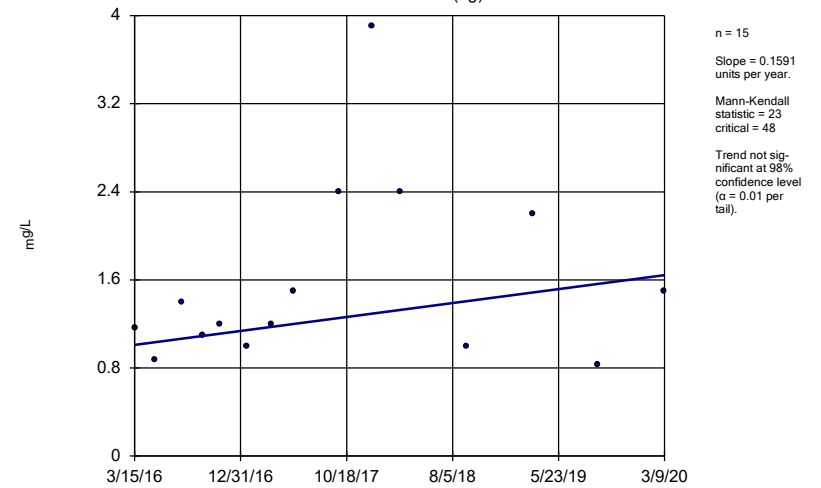
GWA-39Z (bg)



Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

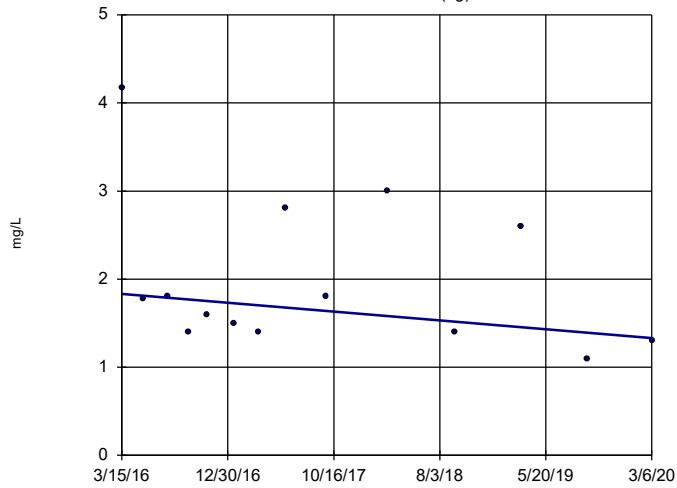
GWA-40 (bg)



Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41 (bg)

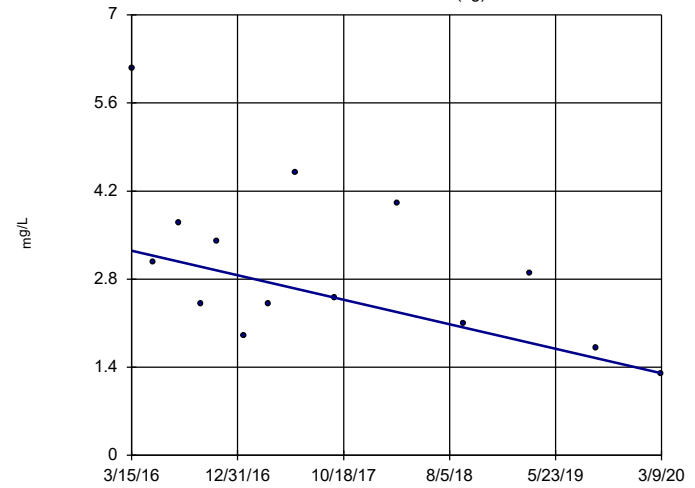


n = 14
 Slope = -0.1257
 units per year.
 Mann-Kendall
 statistic = -25
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41R (bg)

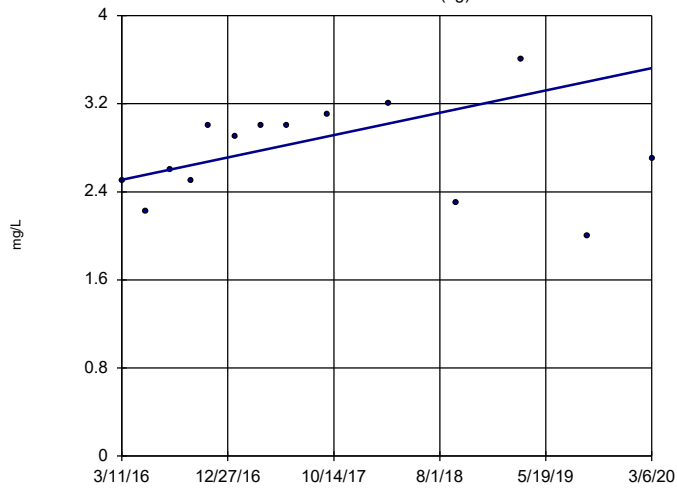


n = 14
 Slope = -0.4888
 units per year.
 Mann-Kendall
 statistic = -38
 critical = -44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-42 (bg)

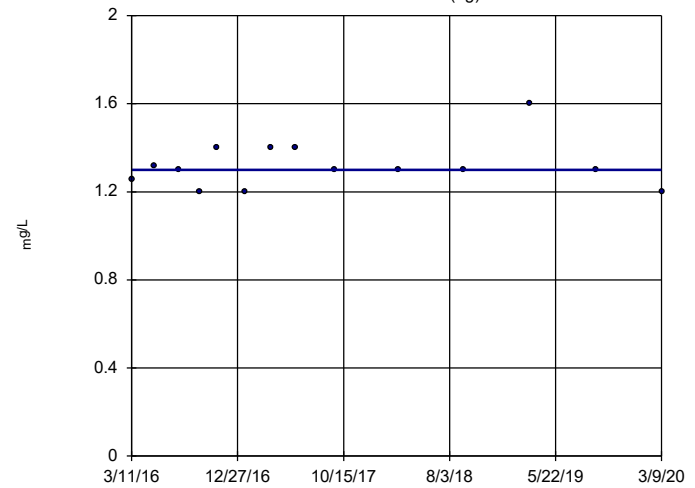


n = 14
 Slope = 0.2544
 units per year.
 Mann-Kendall
 statistic = 26
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43 (bg)

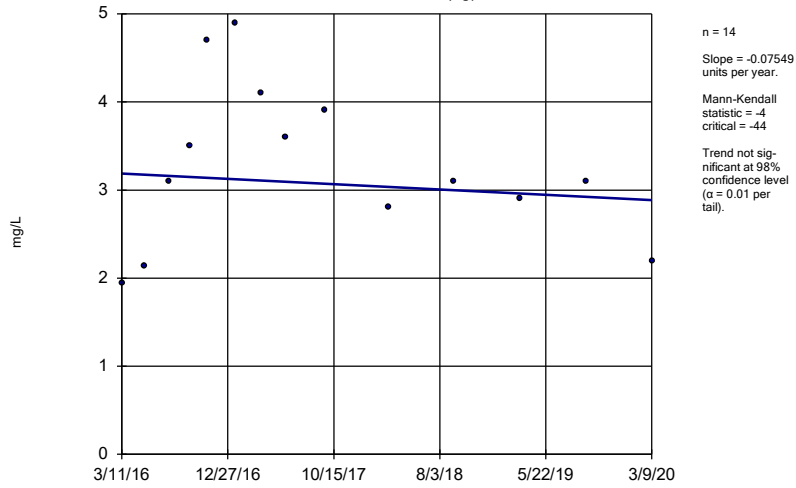


n = 14
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 3
 critical = 44
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

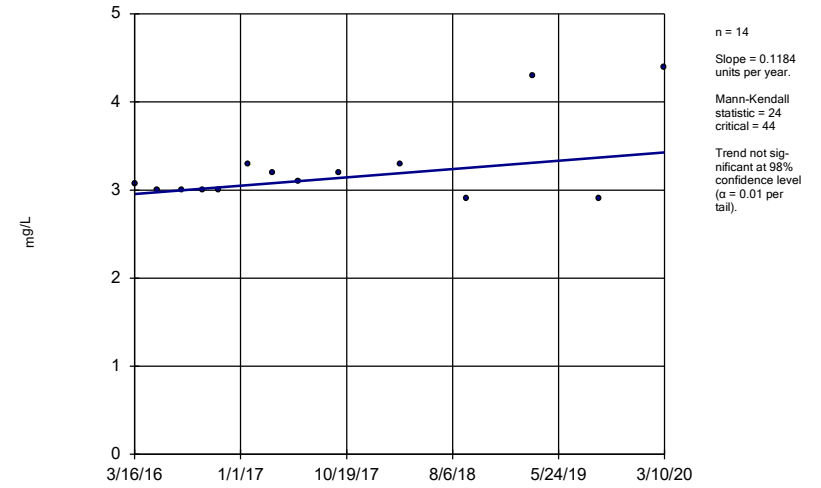
GWA-43R (bg)



Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

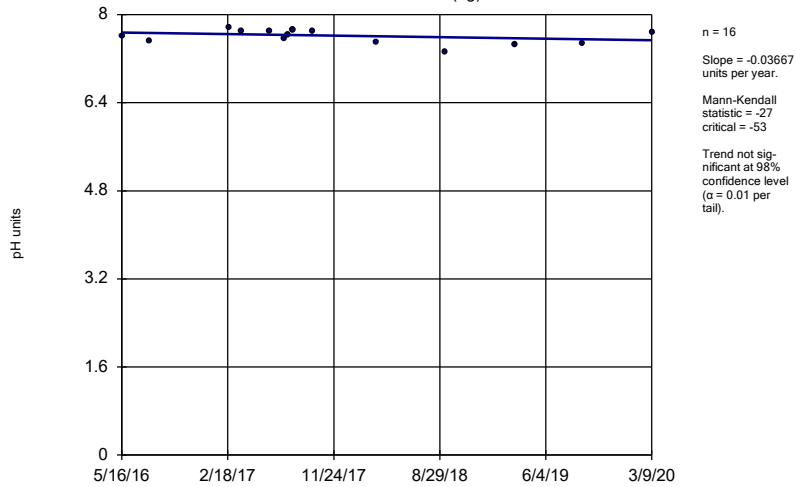
GWC-45R



Constituent: Chloride Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

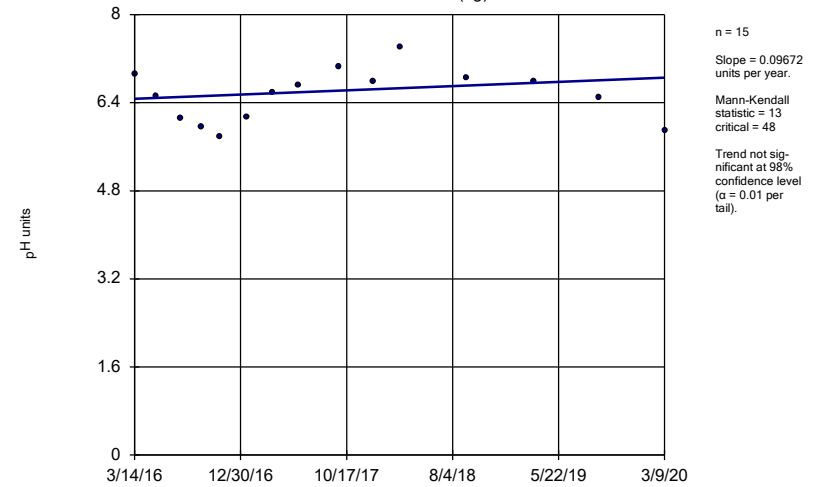
GWA-39RZ (bg)



Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

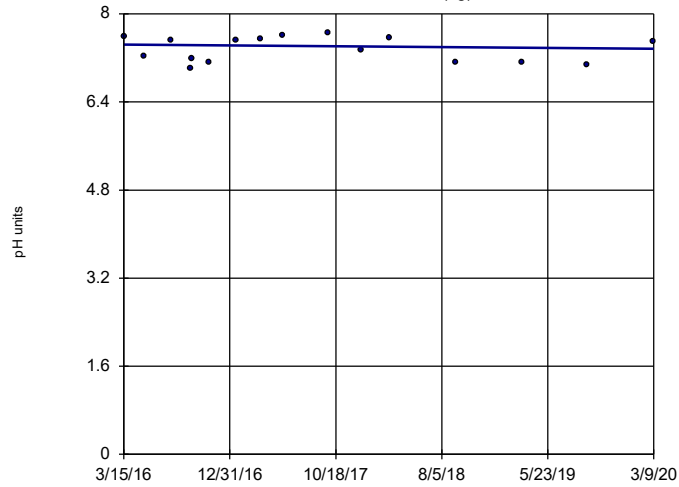
GWA-39Z (bg)



Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-40 (bg)

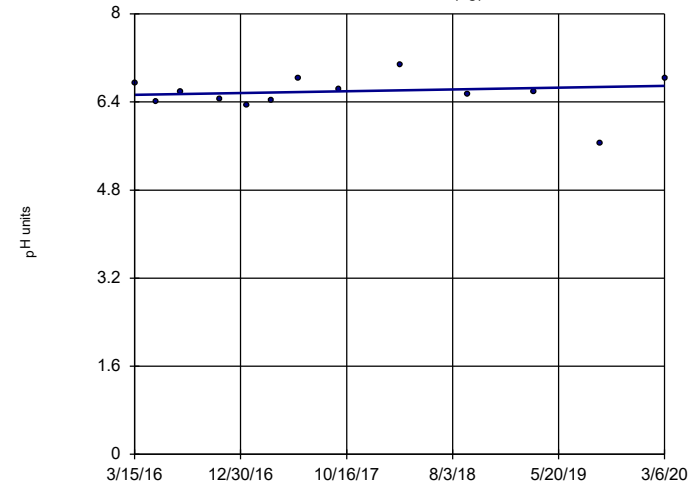


n = 16
 Slope = -0.01848 units per year.
 Mann-Kendall statistic = -13
 critical = -53
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41 (bg)

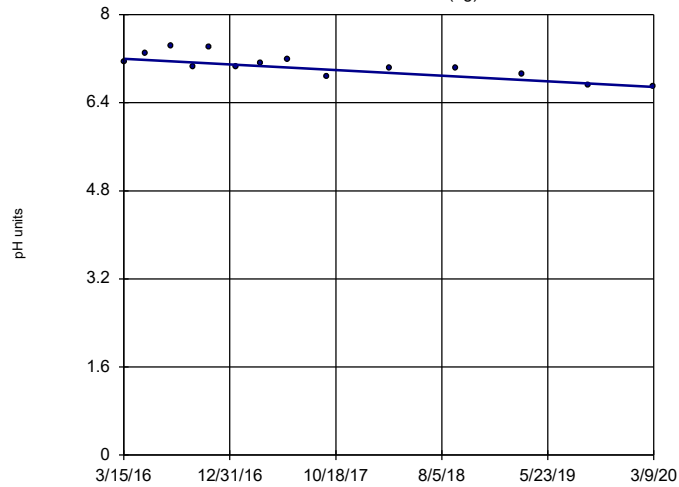


n = 13
 Slope = 0.04112 units per year.
 Mann-Kendall statistic = 7
 critical = 39
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41R (bg)

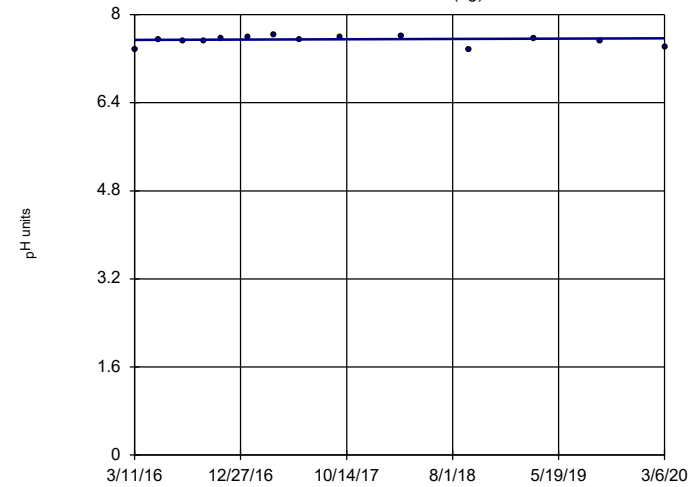


n = 14
 Slope = -0.1285 units per year.
 Mann-Kendall statistic = -59
 critical = -44
 Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-42 (bg)

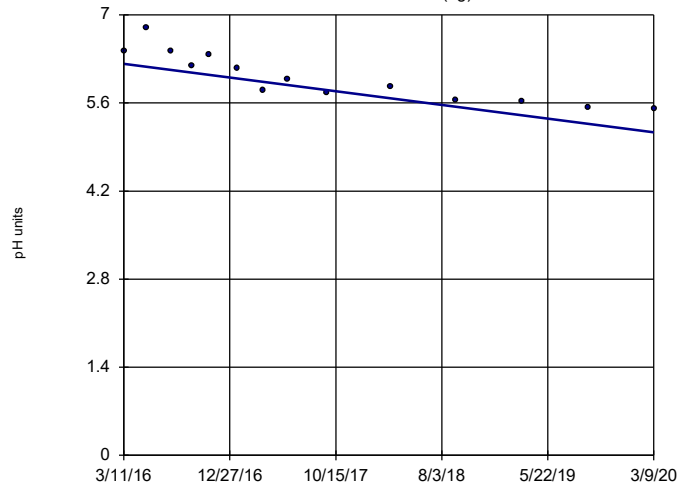


n = 14
 Slope = 0.007074 units per year.
 Mann-Kendall statistic = 10
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43 (bg)

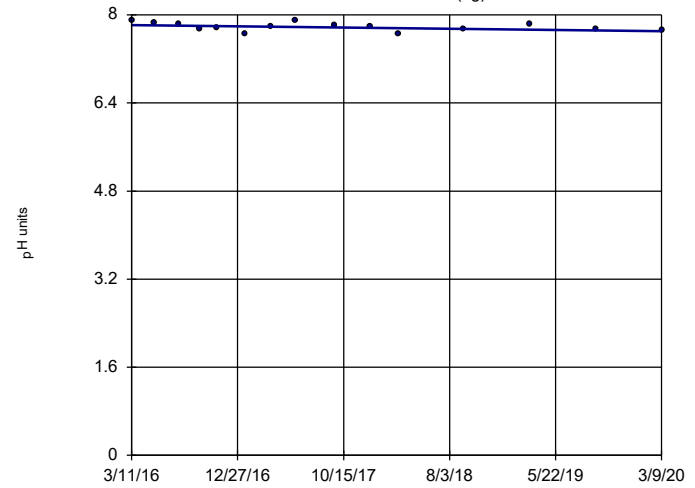


n = 14
 Slope = -0.2715
 units per year.
 Mann-Kendall
 statistic = -81
 critical = -44
 Decreasing trend
 significant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43R (bg)

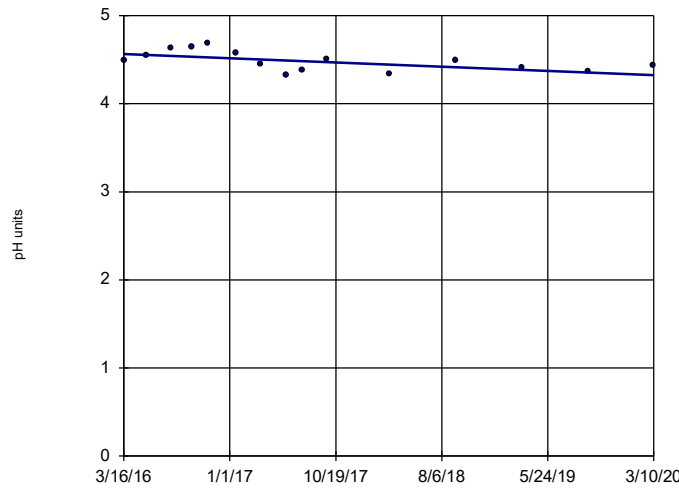


n = 15
 Slope = -0.02739
 units per year.
 Mann-Kendall
 statistic = -35
 critical = -48
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWC-44

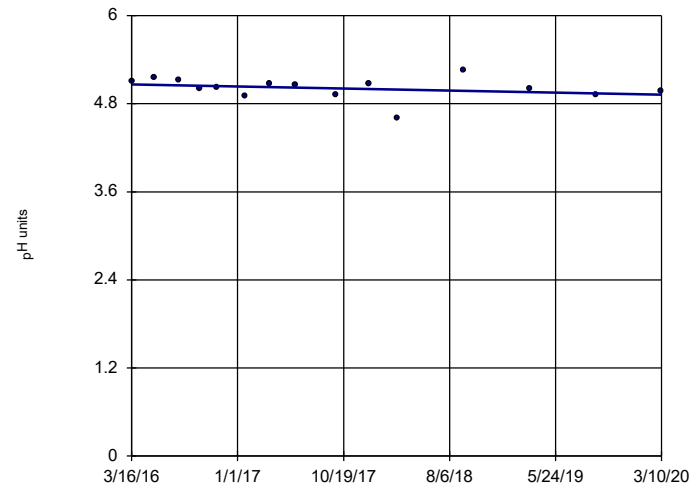


n = 15
 Slope = -0.06045
 units per year.
 Mann-Kendall
 statistic = -40
 critical = -48
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

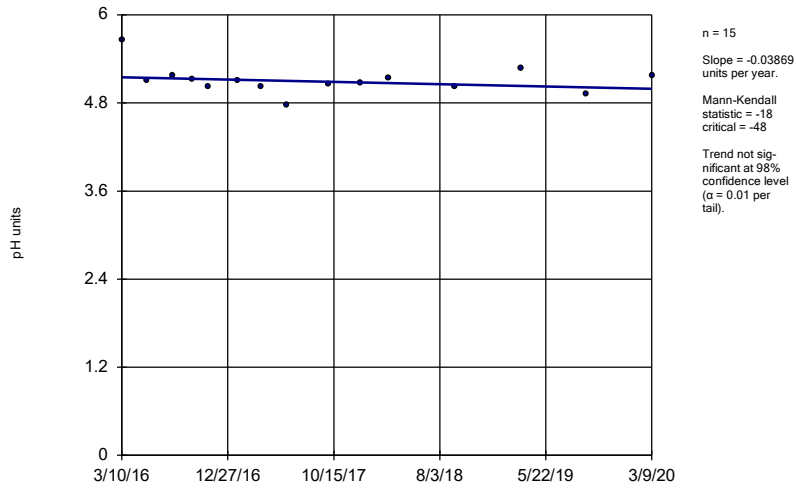
GWC-45



n = 15
 Slope = -0.03496
 units per year.
 Mann-Kendall
 statistic = -30
 critical = -48
 Trend not sig-
 nificant at 98%
 confidence level
 ($\alpha = 0.01$ per
 tail).

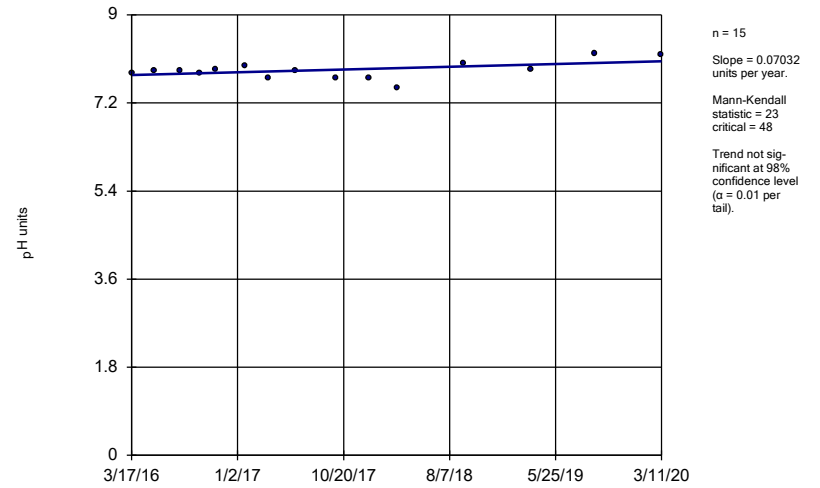
Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator GWC-48



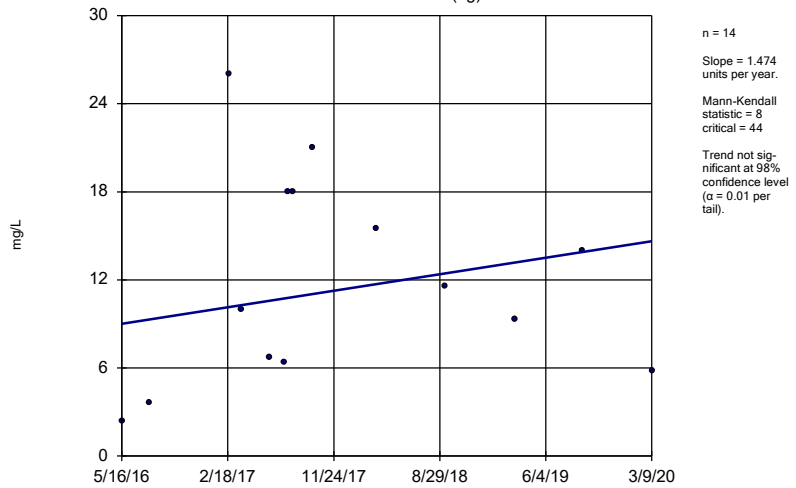
Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator GWC-49R



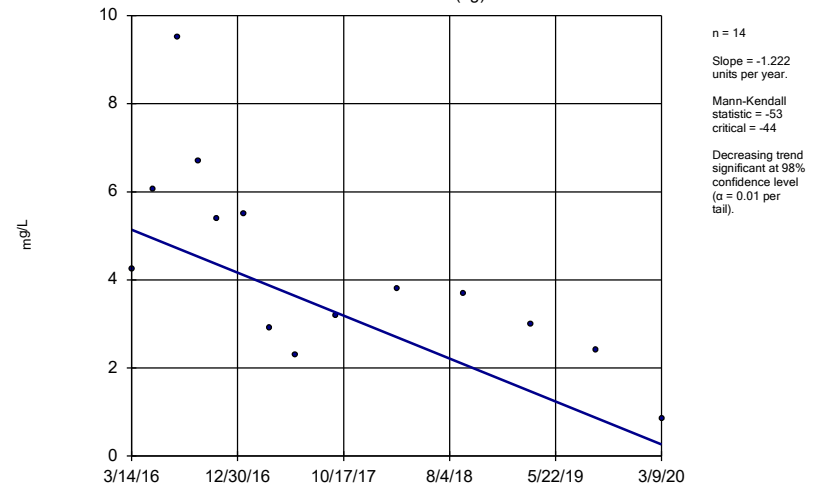
Constituent: pH Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator GWA-39RZ (bg)



Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

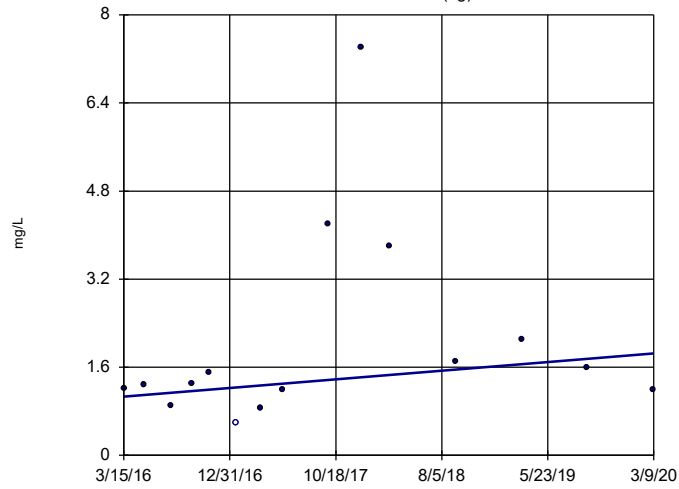
Sen's Slope Estimator GWA-39Z (bg)



Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-40 (bg)

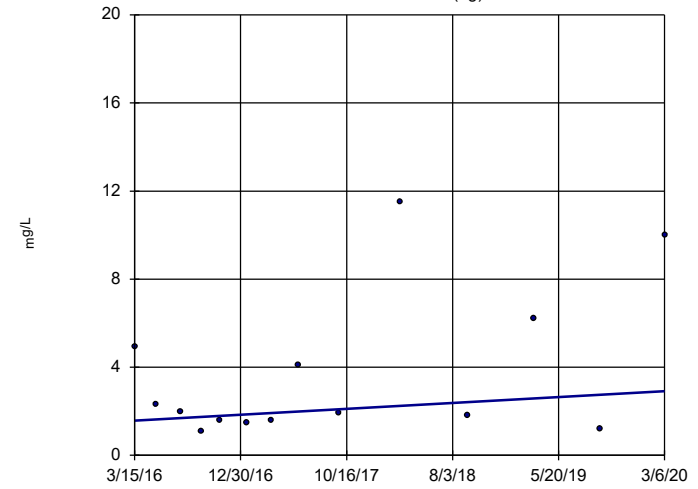


n = 15
 Slope = 0.1962 units per year.
 Mann-Kendall statistic = 26
 critical = 48
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41 (bg)

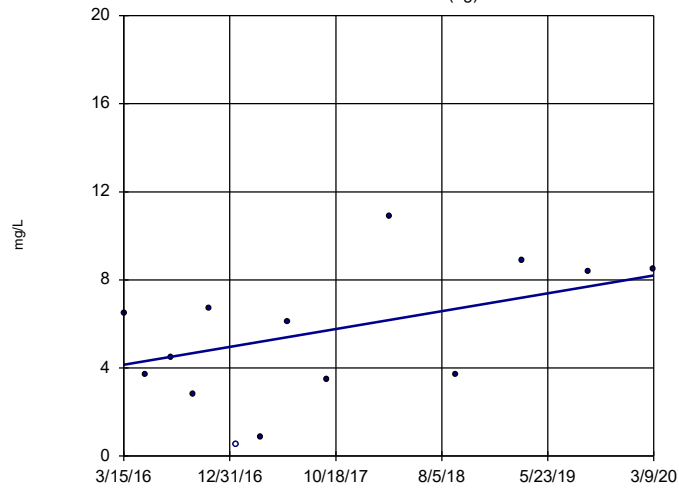


n = 14
 Slope = 0.3359 units per year.
 Mann-Kendall statistic = 10
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41R (bg)

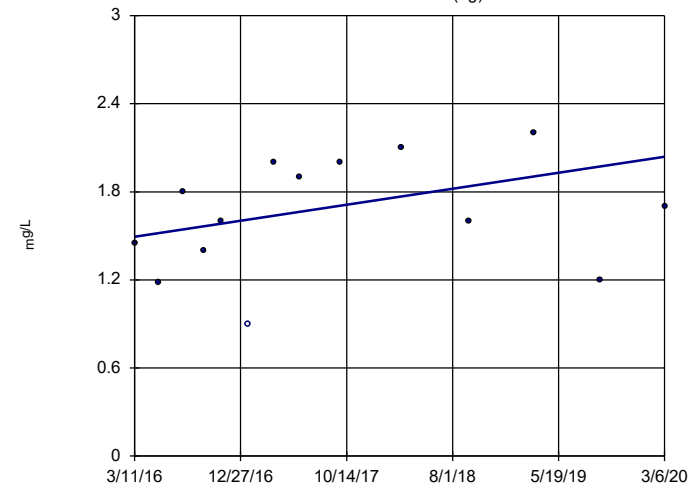


n = 14
 Slope = 1.016 units per year.
 Mann-Kendall statistic = 27
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

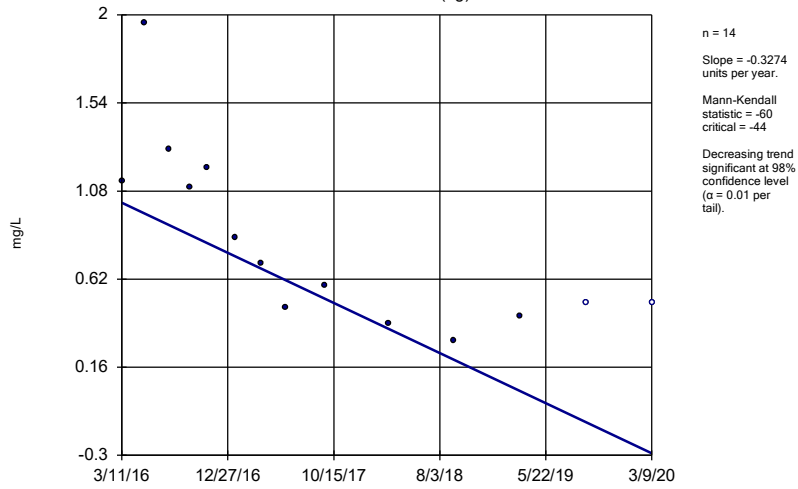
GWA-42 (bg)



n = 14
 Slope = 0.1365 units per year.
 Mann-Kendall statistic = 27
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

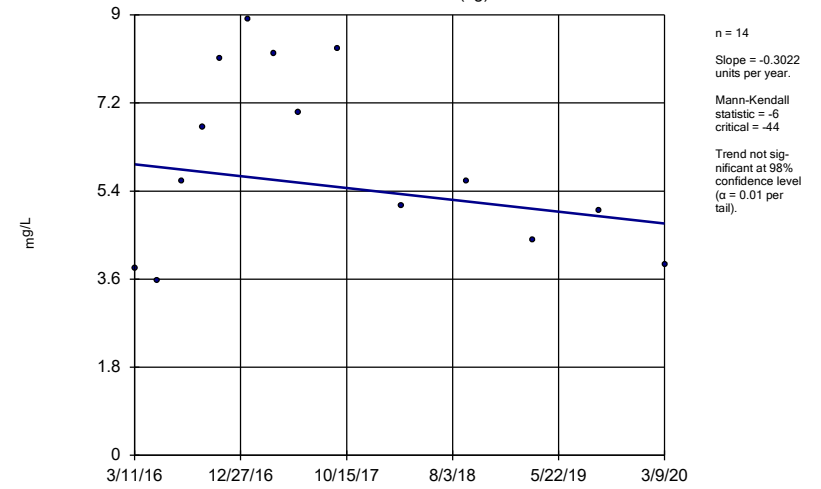
Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
 GWA-43 (bg)



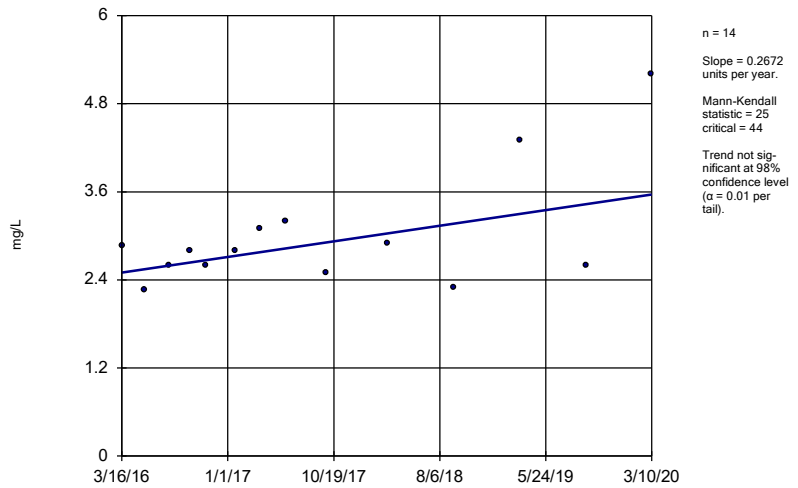
Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
 GWA-43R (bg)



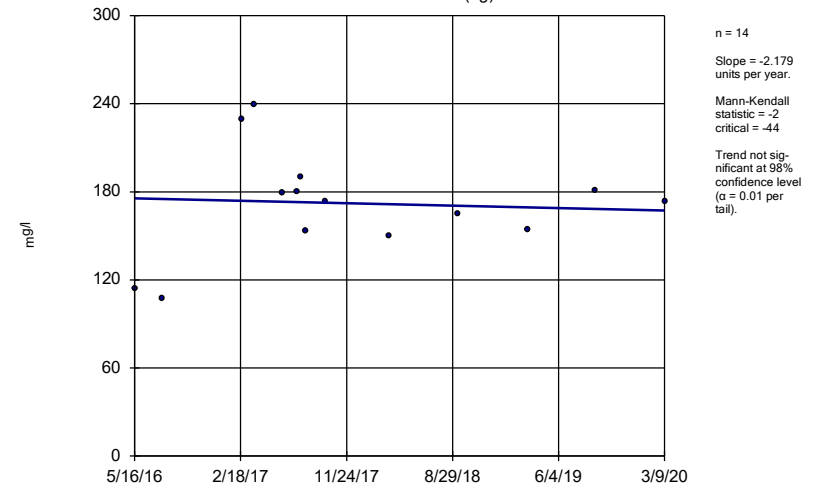
Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
 GWC-45R



Constituent: Sulfate Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

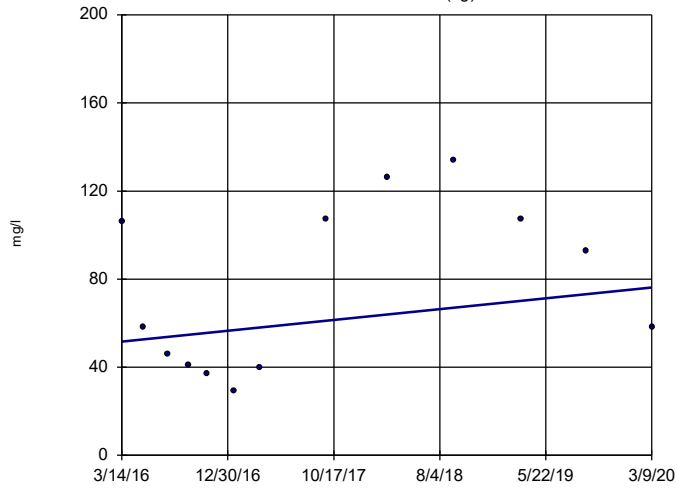
Sen's Slope Estimator
 GWA-39RZ (bg)



Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-39Z (bg)

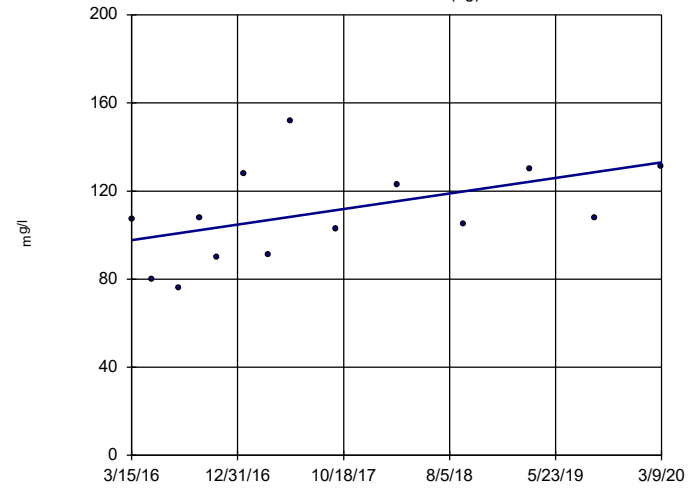


n = 13
 Slope = 6.184 units per year.
 Mann-Kendall statistic = 12
 critical = 39
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:33 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-40 (bg)

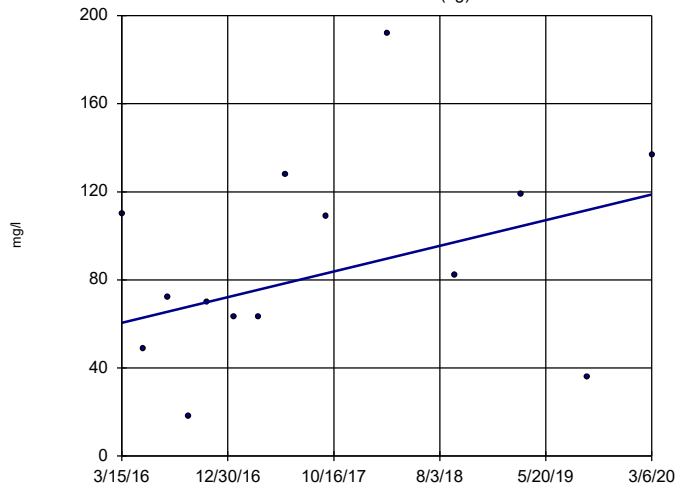


n = 14
 Slope = 8.873 units per year.
 Mann-Kendall statistic = 40
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41 (bg)

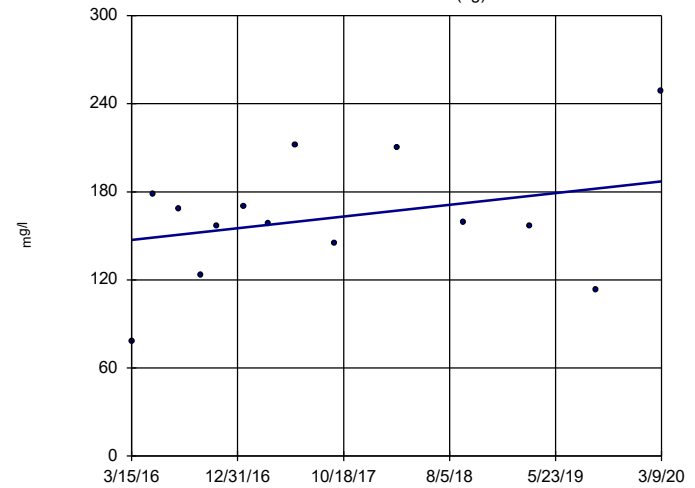


n = 14
 Slope = 14.67 units per year.
 Mann-Kendall statistic = 24
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41R (bg)

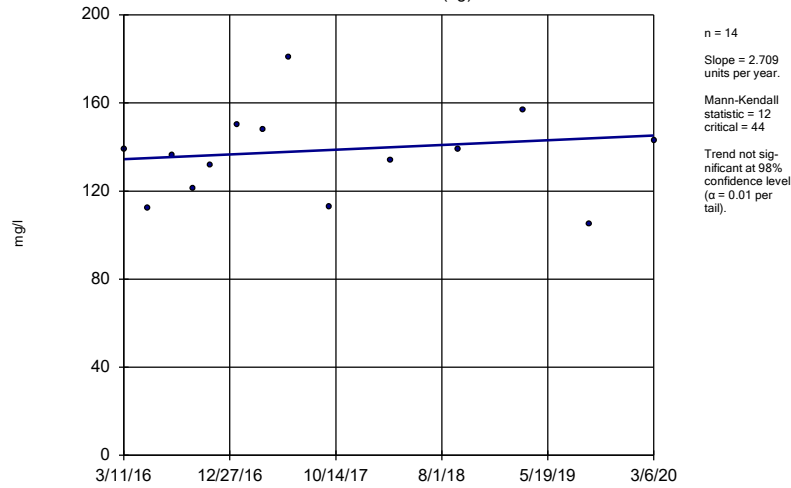


n = 14
 Slope = 10.03 units per year.
 Mann-Kendall statistic = 12
 critical = 44
 Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-42 (bg)

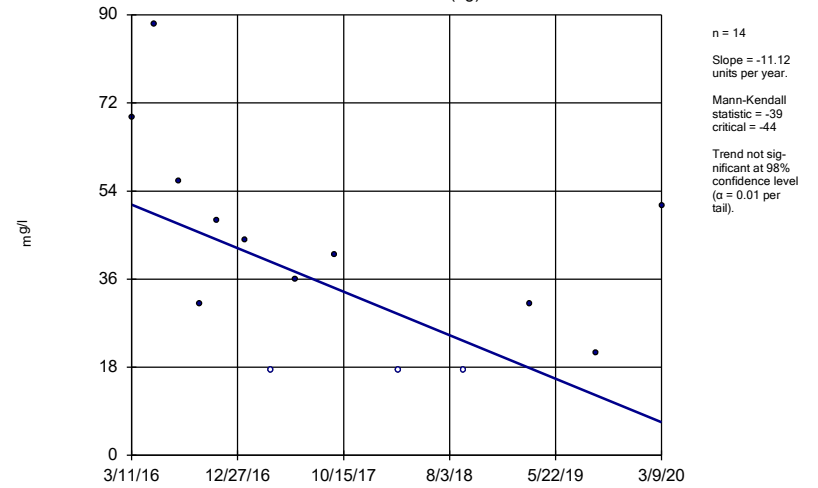


Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

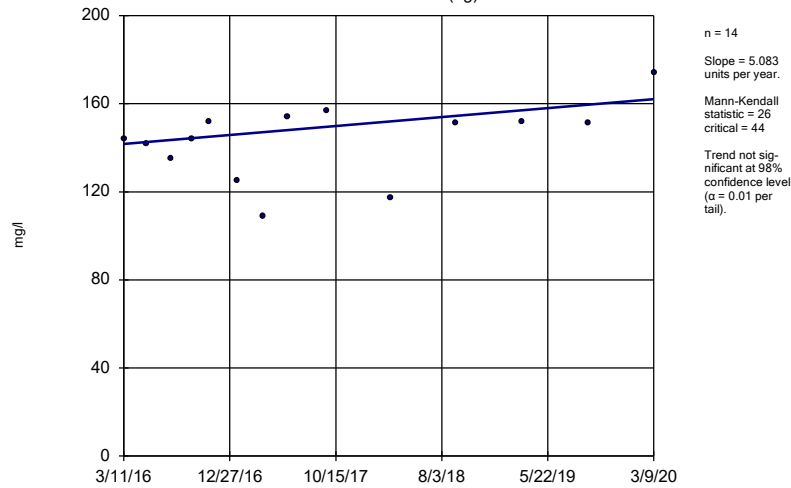
GWA-43 (bg)



Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43R (bg)

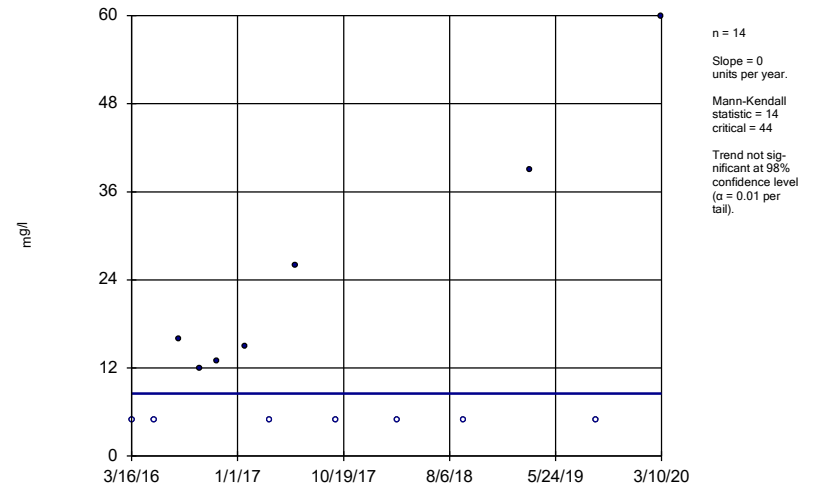


Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

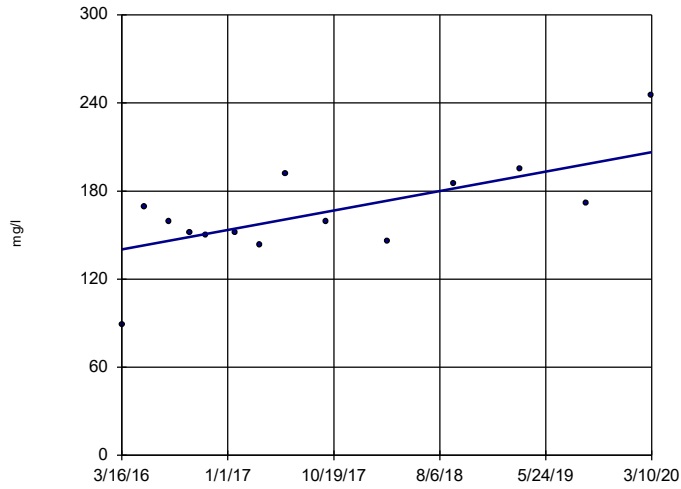
GWC-45



Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWC-45R

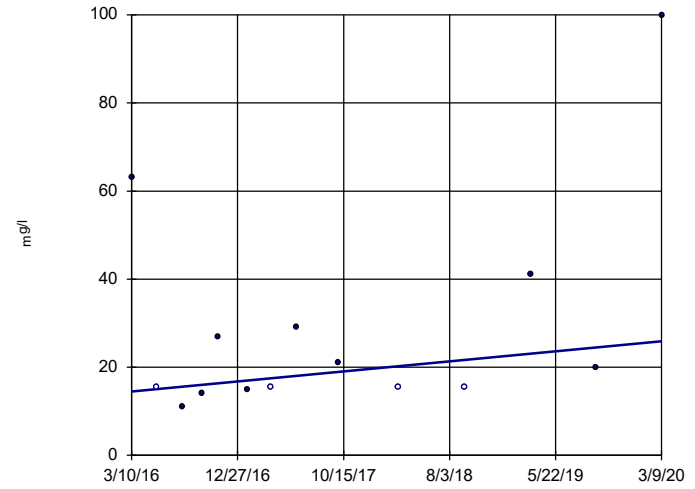


n = 14
Slope = 16.64
units per year.
Mann-Kendall
statistic = 37
critical = 44
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

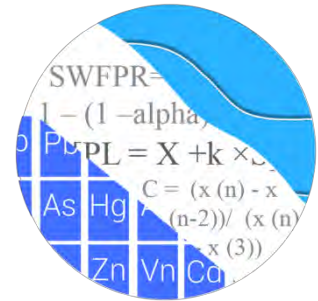
GWC-48



n = 14
Slope = 2.852
units per year.
Mann-Kendall
statistic = 27
critical = 44
Trend not sig-
nificant at 98%
confidence level
($\alpha = 0.01$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 4/17/2020 10:34 AM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

GROUNDWATER STATS CONSULTING



January 25, 2021

Southern Company Services
Attn: Ms. Lauren Petty
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Bowen Landfill Cells 1 & 2 - Bedrock and Overburden Wells
September 2020 Event - Statistical Analysis

Dear Ms. Petty,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the September 2020 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1 & 2. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

Bedrock Wells:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-4RZ, and GWA-50R
- **Downgradient wells:** GWC-6RZ, GWC-8RR, GWC-10R, GWC-11R, GWC-13RZ, and GWC-15R

Overburden Wells:

- **Upgradient wells:** GWA-3 and GWA-50
- **Downgradient wells:** GWC-5, GWC-6, GWC-7Z, GWC-8Z, GWC-9, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14Z, and GWC-15Z

Note that well GWA-3 was not sampled in September 2020.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The following constituents are evaluated:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium and zinc

Note that the terms “parameters” and “constituents” are interchangeable throughout this report. When there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% nondetects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is used for all nondetects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. A single reporting limit substitution is used across all wells in the time series plots for a given parameter since the wells are plotted as a group. In the case of zinc, the reporting limit increased from 0.01 mg/L to 0.02 mg/L and lead to small changes in statistical limits for the following wells:

- GWA-50, GWC-10, GWC-11, GWC-13, GWC-14Z, GWC-15Z, GWC-5, GWC-6, GWC-8Z, and GWC-9

For cadmium and cobalt, reporting limits of 0.001 mg/L and 0.01 mg/L respectively were substituted to be consistent with previous analyses. Values were re-assessed for outliers in this analysis and a summary of flagged outliers follows this report (Figure C). Changes in outliers did not result in any changes in statistically significant exceedances of prediction limits.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided during the previous screenings to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Constituents:

Bedrock Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all 16 parameters)
- # Constituents: 16
- # Downgradient wells: 6

Overburden Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan (all 16 parameters)
- # Constituents: 16
- # Downgradient wells: 11

CCR Appendix III Constituents:

Bedrock & Overburden Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (calcium, sulfate, TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, chloride, fluoride, pH)

- # Constituents: 7
- # Downgradient wells: 17

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects.
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with 1-of-2 or 1-of-3 resample plans, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. The 1-of-3 plan allows collection of up to two samples. A statistically significant increase is not declared unless all resamples also exceed the intrawell prediction limit (United State Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resamples confirm the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that

an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Background Screening Summary Georgia EPD Constituents – Conducted in August 2019

Outlier and Trend Testing – Bedrock & Overburden Wells

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of those findings were submitted with the screening report and a summary of the flagged values follows this letter.

For Bedrock and Overburden wells, the Tukey box plot method identified several outliers. When the most recent values were identified as outliers, values were not flagged in the database (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the nondetects were replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) required flagging as outliers because they were much higher than current reporting limits.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported nondetects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections. The results of those findings were submitted with the screening report.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. A summary of the trend analyses was included in the background screening.

Several statistically significant decreasing trends were noted. No statistically significant increasing trends were identified except for barium in 3 bedrock wells and in 1 overburden well. The magnitudes of the majority of these trends were low relative to the average concentrations and, therefore, required no adjustments to the records. For the following Bedrock well/constituent pairs, however, adjustments were required for statistically significant decreasing trending data in order to minimize the variance within each well and utilize more recent data that do not contain trends and that are representative of present-day groundwater quality conditions: chromium in well GWC-11R; and copper and nickel in upgradient well GWA-50R.

Note that, due to more recent higher measurements that are elevated above those observed in the upgradient well data, it is recommended that the trend test be used in lieu of prediction limits for barium at well GWC-13RZ. If research shows that these

concentrations are representative of natural spatial variation rather than resulting from the unit, intrawell prediction limits may be used to statistically analyze future compliance observations. A summary of the background data ranges used for these special cases follows this letter.

Determination of Spatial Variation – Bedrock & Overburden

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. A summary of the findings was submitted with the screening report.

For Bedrock wells, the ANOVA identified variation among upgradient well data for: antimony, arsenic, barium, chromium, lead, nickel, selenium and silver. No variation was identified for beryllium, cadmium, cobalt, copper, mercury, thallium, vanadium and zinc.

For Overburden wells, the ANOVA identified variation among upgradient well data for: barium, cobalt, copper, nickel, silver and zinc. The ANOVA did not identify variation for cadmium, chromium, lead, mercury and vanadium. The ANOVA could not test the following constituents because the data had no variation among the upgradient wells: arsenic, thallium, beryllium and selenium.

Where variation is not identified, this suggests that interwell analysis would be the most appropriate statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level detections, and no records required adjustments due to increasing trends, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Background Update CCR Appendix III Constituents – Conducted in March 2020

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data through September 2019. Tukey's test was used for all wells for the intrawell parameters and for only the upgradient wells for the interwell parameters. The results of

this test were submitted with the screening report. High values for fluoride were noted through visual screening for wells GWA-2 and GWC-14Z. Of these two values, only the high value in well GWA-2 was flagged because of its impact on statistical limits. This value is included in a separate table for Excluded Data - Appendix III. Although Tukey's test noted several potential outliers in downgradient wells for intrawell parameters, these values were not flagged as they appeared to be representative of natural variation. As mentioned above, any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. Summary tables of all flagged values follow this report.

For constituents requiring intrawell prediction limits (calcium, sulfate and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through August 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the well/constituent pairs for calcium in upgradient well GWA-3, and sulfate in upgradient well GWA-3 and downgradient wells GWC-15R, GWC-5, and GWC-8Z.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. The following cases with statistically significant Mann-Whitney results were updated because the newer data had a lower median or the newer data were similar in concentration to portions of the historical data: calcium in well GWA-3 and sulfate in wells GWA-3, GWC-5, and GWC-8Z.

Although sulfate in well GWC-15R showed an increase in the median concentration, the magnitude of the increase is minimal relative to concentrations in other wells. The background was, therefore, updated with newer data. The results of the Mann-Whitney test were submitted with the screening report.

Evaluation of Georgia EPD Constituents – September 2020

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from

across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-3 resample plan for Overburden wells and a 1-of-2 resample plan for Bedrock wells, were constructed using all available data, except for the cases mentioned above, within each well with detections through September 2018 (Figures D and E, respectively). Future compliance data will be compared to these intrawell background limits during each subsequent semi-annual sampling event. As previously discussed, no statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. The 1-of-3 plan allows collection of up to two samples. When all resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. No exceedance was identified for Overburden wells, however, the following well/constituent pairs had compliance values higher than their respective prediction limits. These were not identified as exceedances because the compliance values were non-detect values based on the reporting limit:

- Arsenic: GWC-7Z
- Nickel: GWC-7Z
- Zinc: GWA-50 (upgradient), GWC-9, and GWC-13

Similar non-detect values were not identified as exceedances despite being higher than the respective well/constituent pair prediction limit for the following Bedrock well/constituent pairs:

- Zinc: GWA-1 (upgradient), GWC-6RZ, and GWC-13RZ

An exceedance was noted for the following downgradient Bedrock well/constituent pair:

- Antimony: GWC-11R

The reported measurement of 0.0053 mg/L for antimony in well GWC-11R exceeded its intrawell prediction limit of 0.0044 mg/L. Following the two-step analysis procedure, an interwell prediction limit was then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedance (Figure F). The reported measurement of antimony in this well was within the interwell prediction limit of 0.0097 mg/L. Therefore, no statistically significant increase (SSI) is identified, and no further action is necessary.

A statistical exceedance was noted for barium in upgradient Bedrock well GWA-4RZ. Exceedances in upgradient wells are an indication of natural changes in groundwater quality. Summaries of the Georgia EPD prediction limits follow this report.

When an initial exceedance occurs in a downgradient well (i.e. antimony at well GWC-11R), the exceedance is further evaluated using the Sen's Slope/Mann Kendall trend test, whether or not the exceedance is confirmed as an SSI by the follow-up interwell test. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site. No statistically significant trends for antimony were found. Based on the recommendation of previous screenings, a Sen's Slope/Mann-Kendall trend test was used in lieu of a prediction limit for barium in well GWC-13RZ and identified a statistically significant increasing trend. That trend test, along with trend tests for upgradient wells, is included with the trend test results for prediction limit exceedances for Georgia EPD parameters (Figure G).

Evaluation of Appendix III Parameters – September 2020

For calcium, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019. Results and a summary table are presented in Figure H. The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. No exceedances were identified.

For boron, chloride, fluoride, and pH, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through March 2020. Results and a summary table are presented in Figure I. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background

limit to determine whether there are exceedances over background. Exceedances were identified for the following well/constituent pairs:

- Chloride: GWC-13RZ
- Upper limit pH: GWC-10R, GWC-11R, and GWC-8RR

Note that when rounded, the upper limit for pH of 7.65 in well GWC-10R equals the observed value of 7.7.

Data from downgradient well/constituent pairs found to exceed their respective prediction limits were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure J). A summary of the trend test results follows this letter. No statistically significant increasing trends were identified, but statistically significant decreasing trends were noted for the following well/constituent pairs:

- pH: GWA-3 (upgradient) and GWC-11R

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1 & 2. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Groundwater Analyst



Kristina L. Rayner
Groundwater Statistician

100% Non-Detects: Bedrock

Analysis Run 10/29/2020 9:51 AM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Antimony (mg/L)

GWA-2

Arsenic (mg/L)

GWA-2, GWA-50R, GWC-10R

Beryllium (mg/L)

GWA-2, GWA-2R, GWA-4RZ, GWC-10R, GWC-11R, GWC-13RZ, GWC-15R

Cadmium (mg/L)

GWA-2, GWA-2R, GWA-4RZ, GWA-50R, GWC-13RZ, GWC-6RZ, GWC-8RR

Chromium (mg/L)

GWA-4RZ

Cobalt (mg/L)

GWC-10R, GWC-6RZ

Mercury (mg/L)

GWA-1, GWA-2R, GWA-4RZ, GWA-50R, GWC-10R, GWC-11R, GWC-6RZ

Nickel (mg/L)

GWC-6RZ

Selenium (mg/L)

GWA-1, GWA-2R, GWA-4RZ, GWA-50R, GWC-10R, GWC-11R, GWC-6RZ, GWC-8RR

Silver (mg/L)

GWA-1, GWA-2, GWA-2R, GWA-4RZ, GWC-10R, GWC-11R, GWC-15R, GWC-6RZ, GWC-8RR

Thallium (mg/L)

GWA-1, GWA-2, GWA-4RZ, GWC-15R, GWC-6RZ, GWC-8RR

Vanadium (mg/L)

GWC-10R, GWC-6RZ

100% Non-Detects: Overburden

Analysis Run 11/3/2020 3:55 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Antimony (mg/L)

GWC-10, GWC-12, GWC-8Z

Arsenic (mg/L)

GWA-3, GWA-50

Beryllium (mg/L)

GWA-3, GWA-50, GWC-12, GWC-15Z, GWC-7Z

Cadmium (mg/L)

GWA-3, GWC-10, GWC-11, GWC-13, GWC-15Z, GWC-9

Cobalt (mg/L)

GWA-50

Lead (mg/L)

GWA-3, GWC-12

Mercury (mg/L)

GWA-3, GWC-10, GWC-14Z, GWC-7Z, GWC-8Z, GWC-9

Selenium (mg/L)

GWA-3, GWA-50, GWC-10, GWC-11, GWC-12, GWC-15Z, GWC-6, GWC-7Z, GWC-8Z

Silver (mg/L)

GWA-3, GWC-10, GWC-11, GWC-13, GWC-14Z, GWC-15Z, GWC-5, GWC-6, GWC-7Z, GWC-8Z, GWC-9

Thallium (mg/L)

GWA-3, GWA-50, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14Z, GWC-9

Vanadium (mg/L)

GWA-50, GWC-7Z

Date Ranges

Date: 10/28/2020 2:13 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Chromium (mg/L)

GWC-11R background:4/13/2011-9/18/2018

Copper (mg/L)

GWA-50R background:4/22/2014-9/18/2018

Nickel (mg/L)

GWA-50R background:4/22/2014-9/18/2018

Overburden Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-3	0.0068	n/a	3/11/2020	0.0045	No	32	n/a	n/a	68.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-50	0.003	n/a	9/16/2020	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-11	0.003	n/a	9/21/2020	0.00091J	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-13	0.003	n/a	9/22/2020	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-14Z	0.005	n/a	9/21/2020	0.003ND	No	32	n/a	n/a	87.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-15Z	0.0053	n/a	9/21/2020	0.003ND	No	31	n/a	n/a	83.87	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-5	0.003	n/a	9/16/2020	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-6	0.0035	n/a	9/16/2020	0.003ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-7Z	0.003	n/a	9/16/2020	0.0012J	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-9	0.003	n/a	9/17/2020	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0079	n/a	9/17/2020	0.005ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.012	n/a	9/21/2020	0.0065	No	31	n/a	n/a	29.03	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Arsenic (mg/L)	GWC-13	0.0096	n/a	9/22/2020	0.00098J	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-14Z	0.0079	n/a	9/21/2020	0.005ND	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15Z	0.0077	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5	0.005	n/a	9/16/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-6	0.005	n/a	9/16/2020	0.005ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-7Z	0.003663	n/a	9/16/2020	0.005ND	No	11	0.002522	0.0005101	18.18	Kaplan-Meier	No	0.0002993	Param Intra 1 of 3
Arsenic (mg/L)	GWC-8Z	0.005	n/a	9/17/2020	0.005ND	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.0086	n/a	9/17/2020	0.005ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-3	0.007921	n/a	3/11/2020	0.0041J	No	23	0.005815	0.001177	4.348	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWA-50	0.01571	n/a	9/16/2020	0.0081J	No	25	0.009848	0.003336	4	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.02966	n/a	9/17/2020	0.013	No	29	-4.024	0.2943	0	None	ln(x)	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.036	n/a	9/21/2020	0.0093J	No	31	n/a	n/a	3.226	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.07	n/a	9/21/2020	0.023	No	28	n/a	n/a	0	n/a	n/a	0.0002317	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-13	0.04922	n/a	9/22/2020	0.027	No	30	0.02845	0.01216	0	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-14Z	0.04432	n/a	9/21/2020	0.013	No	28	0.1367	0.04275	7.143	None	sqrt(x)	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-15Z	0.01987	n/a	9/21/2020	0.013	No	31	0.0106	0.00545	3.226	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-5	0.02443	n/a	9/16/2020	0.013	No	31	0.01764	0.003992	0	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-6	0.02458	n/a	9/16/2020	0.0074J	No	29	0.1134	0.02526	3.448	None	sqrt(x)	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-7Z	0.03969	n/a	9/16/2020	0.02	No	11	0.0267	0.005812	0	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-8Z	0.05253	n/a	9/17/2020	0.025	No	15	0.1761	0.02662	0	None	sqrt(x)	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.04876	n/a	9/17/2020	0.031	No	28	0.03862	0.005872	0	None	No	0.0002993	Param Intra 1 of 3
Beryllium (mg/L)	GWC-10	0.003	n/a	9/17/2020	0.003ND	No	14	n/a	n/a	71.43	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.003	n/a	9/21/2020	0.003ND	No	14	n/a	n/a	100	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-13	0.003	n/a	9/22/2020	0.003ND	No	14	n/a	n/a	57.14	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-14Z	0.003	n/a	9/21/2020	0.000095J	No	14	n/a	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5	0.003	n/a	9/16/2020	0.00069J	No	14	n/a	n/a	14.29	n/a	n/a	0.0016	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-6	0.003	n/a	9/16/2020	0.003ND	No	14	n/a	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-8Z	0.003	n/a	9/17/2020	0.000049J	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.003	n/a	9/17/2020	0.000048J	No	14	n/a	n/a	35.71	n/a	n/a	0.0016	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-50	0.001	n/a	9/16/2020	0.001ND	No	26	n/a	n/a	96.15	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-12	0.001	n/a	9/21/2020	0.00025J	No	32	n/a	n/a	68.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-14Z	0.001	n/a	9/21/2020	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-5	0.00104	n/a	9/16/2020	0.001ND	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-6	0.001	n/a	9/16/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-7Z	0.001	n/a	9/16/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-8Z	0.001	n/a	9/17/2020	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-3	0.027	n/a	3/11/2020	0.00095J	No	29	n/a	n/a	86.21	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-50	0.01	n/a	9/16/2020	0.01ND	No	26	n/a	n/a	88.46	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-10	0.042	n/a	9/17/2020	0.0011J	No	32	n/a	n/a	46.88	n/a	n/a	0.0001572	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.025	n/a	9/21/2020	0.0081J	No	32	n/a	n/a	28.13	n/a	n/a	0.0001572	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-12	0.039	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	71.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-13	0.02017	n/a	9/22/2020	0.0062J	No	32	-4.769	0.511	0	None	ln(x)	0.0002993	Param Intra 1 of 3
Chromium (mg/L)	GWC-14Z	0.01856	n/a	9/21/2020	0.01ND	No	31	0.07182	0.03787	25.81	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 3

Overburden Intrawell Prediction Limits - All Results (No Significant) Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-15Z	0.027	n/a	9/21/2020	0.00089J	No	26	n/a	n/a	57.69	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5	0.032	n/a	9/16/2020	0.01ND	No	32	n/a	n/a	53.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-6	0.027	n/a	9/16/2020	0.0022J	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-7Z	0.01	n/a	9/16/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-8Z	0.01	n/a	9/17/2020	0.0017J	No	14	n/a	n/a	42.86	n/a	n/a	0.0016	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-9	0.018	n/a	9/17/2020	0.01ND	No	30	n/a	n/a	80	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.01	n/a	3/11/2020	0.00041J	No	32	n/a	n/a	37.5	n/a	n/a	0.0001572	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-10	0.013	n/a	9/17/2020	0.01ND	No	32	n/a	n/a	65.63	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.016	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.01	n/a	9/21/2020	0.0029J	No	31	n/a	n/a	9.677	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-13	0.011	n/a	9/22/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-14Z	0.011	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15Z	0.01	n/a	9/21/2020	0.01ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5	0.01	n/a	9/16/2020	0.01ND	No	32	n/a	n/a	53.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-6	0.01	n/a	9/16/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-7Z	0.01	n/a	9/16/2020	0.00072J	No	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-8Z	0.01	n/a	9/17/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.01	n/a	9/17/2020	0.01ND	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0509	n/a	3/11/2020	0.027	No	27	0.03618	0.008473	0	None	No	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWA-50	0.01497	n/a	9/16/2020	0.0018J	No	21	0.1825	0.03515	19.05	Kaplan-Meier	x^(1/3)	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWC-10	0.025	n/a	9/17/2020	0.025ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	70.37	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-13	0.025	n/a	9/22/2020	0.025ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-14Z	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15Z	0.025	n/a	9/21/2020	0.025ND	No	26	n/a	n/a	69.23	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5	0.05566	n/a	9/16/2020	0.017J	No	26	0.02693	0.01643	0	None	No	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWC-6	0.025	n/a	9/16/2020	0.025ND	No	27	n/a	n/a	59.26	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-7Z	0.025	n/a	9/16/2020	0.025ND	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-8Z	0.025	n/a	9/17/2020	0.025ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.025	n/a	9/17/2020	0.025ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-50	0.005	n/a	9/16/2020	0.000093J	No	26	n/a	n/a	92.31	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-10	0.005	n/a	9/17/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.005	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-13	0.005	n/a	9/22/2020	0.00015J	No	32	n/a	n/a	84.38	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-14Z	0.005	n/a	9/21/2020	0.00023J	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-15Z	0.005	n/a	9/21/2020	0.000075J	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5	0.005	n/a	9/16/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-6	0.005	n/a	9/16/2020	0.00012J	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-7Z	0.005	n/a	9/16/2020	0.00011J	No	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-8Z	0.005	n/a	9/17/2020	0.000065J	No	15	n/a	n/a	46.67	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-9	0.005	n/a	9/17/2020	0.000079J	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-50	0.0005	n/a	9/16/2020	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-11	0.0005	n/a	9/21/2020	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-12	0.0005	n/a	9/21/2020	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-13	0.0005	n/a	9/22/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-15Z	0.0005	n/a	9/21/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-5	0.0005	n/a	9/16/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-6	0.0005	n/a	9/16/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.05886	n/a	3/11/2020	0.012	No	26	-3.665	0.4764	0	None	ln(x)	0.0002993	Param Intra 1 of 3
Nickel (mg/L)	GWA-50	0.01	n/a	9/16/2020	0.01ND	No	21	n/a	n/a	47.62	n/a	n/a	0.000511	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-10	0.032	n/a	9/17/2020	0.01ND	No	27	n/a	n/a	51.85	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.029	n/a	9/21/2020	0.0019J	No	27	n/a	n/a	48.15	n/a	n/a	0.000256	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-13	0.015	n/a	9/22/2020	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-14Z	0.011	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	62.96	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3

Overburden Intrawell Prediction Limits - All Results (No Significant) Page 3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWC-15Z	0.019	n/a	9/21/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5	0.04631	n/a	9/16/2020	0.0075J	No	27	0.02419	0.01273	0	None	No	0.0002993	Param Intra 1 of 3
Nickel (mg/L)	GWC-6	0.022	n/a	9/16/2020	0.01ND	No	26	n/a	n/a	46.15	n/a	n/a	0.0002803	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-7Z	0.001363	n/a	9/16/2020	0.01ND	No	5	0.001133	0.0000471440		Kaplan-Meier	No	0.0002993	Param Intra 1 of 3
Nickel (mg/L)	GWC-8Z	0.01	n/a	9/17/2020	0.01ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.014	n/a	9/17/2020	0.01ND	No	25	n/a	n/a	40	n/a	n/a	0.0003046	NP Intra (normality) 1 of 3
Selenium (mg/L)	GWC-13	0.01	n/a	9/22/2020	0.01ND	No	32	n/a	n/a	62.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-14Z	0.01	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5	0.01	n/a	9/16/2020	0.01ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.01	n/a	9/17/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-50	0.01	n/a	9/16/2020	0.00042J	No	21	n/a	n/a	80.95	n/a	n/a	0.000511	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-12	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-15Z	0.001	n/a	9/21/2020	0.001ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5	0.001	n/a	9/16/2020	0.001ND	No	12	n/a	n/a	100	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-6	0.001	n/a	9/16/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-7Z	0.001	n/a	9/16/2020	0.00019J	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-8Z	0.001	n/a	9/17/2020	0.001ND	No	12	n/a	n/a	83.33	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.01	n/a	3/11/2020	0.01ND	No	27	n/a	n/a	92.59	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.01	n/a	9/17/2020	0.01ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-13	0.01	n/a	9/22/2020	0.01ND	No	26	n/a	n/a	53.85	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-14Z	0.012	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15Z	0.0165	n/a	9/21/2020	0.01ND	No	26	0.006028	0.005988	34.62	Kaplan-Meier	No	0.0002993	Param Intra 1 of 3
Vanadium (mg/L)	GWC-5	0.01	n/a	9/16/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-6	0.01	n/a	9/16/2020	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-8Z	0.01	n/a	9/17/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.01	n/a	9/17/2020	0.01ND	No	27	n/a	n/a	81.48	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-3	0.1185	n/a	3/11/2020	0.031	No	27	-2.766	0.3644	3.704	None	ln(x)	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWA-50	0.009177	n/a	9/16/2020	0.02ND	No	20	-5.563	0.4751	25	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-10	0.03667	n/a	9/17/2020	0.02ND	No	27	0.09035	0.0582	29.63	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-11	0.02	n/a	9/21/2020	0.02ND	No	27	n/a	n/a	62.96	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.05749	n/a	9/21/2020	0.0065J	No	27	-4.541	0.9693	14.81	None	ln(x)	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-13	0.01765	n/a	9/22/2020	0.02ND	No	23	0.008589	0.005062	26.09	Kaplan-Meier	No	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-14Z	0.02	n/a	9/21/2020	0.02ND	No	22	n/a	n/a	27.27	n/a	n/a	0.0004594	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-15Z	0.025	n/a	9/21/2020	0.02ND	No	23	n/a	n/a	43.48	n/a	n/a	0.0004078	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-5	0.1443	n/a	9/16/2020	0.033	No	27	0.07538	0.03964	3.704	None	No	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-6	0.021	n/a	9/16/2020	0.02ND	No	22	n/a	n/a	36.36	n/a	n/a	0.0004594	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-7Z	0.02	n/a	9/16/2020	0.02ND	No	5	n/a	n/a	100	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-8Z	0.02	n/a	9/17/2020	0.02ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-9	0.01702	n/a	9/17/2020	0.02ND	No	23	0.08208	0.02704	17.39	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 3

Bedrock Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-11R	0.0044	n/a	9/21/2020	0.0053	Yes	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-4RZ	0.03461	n/a	9/17/2020	0.036	Yes	11	0.02799	0.002333	0	None	No	0.0005486	Param Intra 1 of 2

Bedrock Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.0097	n/a	9/15/2020	0.0061	No	30	n/a	n/a	50	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.0081	n/a	9/15/2020	0.0037	No	30	n/a	n/a	56.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	9/17/2020	0.00087J	No	11	n/a	n/a	63.64	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.003	n/a	9/15/2020	0.00048J	No	26	n/a	n/a	100	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	9/17/2020	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.0044	n/a	9/21/2020	0.0053	Yes	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13RZ	0.00447	n/a	9/22/2020	0.00079J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	9/21/2020	0.0021J	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	9/16/2020	0.003ND	No	14	n/a	n/a	85.71	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	9/17/2020	0.00082J	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	9/15/2020	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	9/15/2020	0.00081J	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.002431	n/a	9/17/2020	0.0011J	No	11	0.0969	0.01324	27.27	Kaplan-Meier	x^(1/3)	0.0005486	Param Intra 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	9/21/2020	0.0012J	No	32	n/a	n/a	50	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-13RZ	0.0066	n/a	9/22/2020	0.00086J	No	30	n/a	n/a	66.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.005	n/a	9/16/2020	0.005ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	9/17/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04054	n/a	9/15/2020	0.019	No	31	0.1451	0.02538	0	None	sqrt(x)	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.04842	n/a	9/15/2020	0.019	No	30	0.02121	0.01224	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.02539	n/a	9/15/2020	0.013	No	30	0.2153	0.03537	0	None	x^(1/3)	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.03461	n/a	9/17/2020	0.036	Yes	11	0.02799	0.002333	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02185	n/a	9/15/2020	0.0089J	No	23	0.01499	0.002959	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.03543	n/a	9/17/2020	0.022	No	32	0.02388	0.005231	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-11R	0.02192	n/a	9/21/2020	0.016	No	32	0.01259	0.004227	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.03156	n/a	9/21/2020	0.021	No	31	0.0244	0.003233	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-6RZ	0.01917	n/a	9/16/2020	0.0066J	No	15	0.009456	0.003803	6.667	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	9/17/2020	0.014	No	20	n/a	n/a	0	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-1	0.003	n/a	9/15/2020	0.003ND	No	14	n/a	n/a	92.86	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-50R	0.003	n/a	9/15/2020	0.000085J	No	14	n/a	n/a	92.86	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-6RZ	0.003	n/a	9/16/2020	0.000067J	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-8RR	0.003	n/a	9/17/2020	0.003ND	No	14	n/a	n/a	92.86	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-1	0.001	n/a	9/15/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.001	n/a	9/17/2020	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.001	n/a	9/21/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.001	n/a	9/21/2020	0.001ND	No	31	n/a	n/a	87.1	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.038	n/a	9/15/2020	0.01ND	No	30	n/a	n/a	70	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.01	n/a	9/15/2020	0.00086J	No	29	n/a	n/a	65.52	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	9/15/2020	0.01ND	No	31	n/a	n/a	83.87	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.01	n/a	9/15/2020	0.01ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	9/17/2020	0.01ND	No	30	n/a	n/a	80	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11R	0.02073	n/a	9/21/2020	0.0056J	No	21	0.009791	0.004649	4.762	None	No	0.0005486	Param Intra 1 of 2
Chromium (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	31	n/a	n/a	74.19	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	9/21/2020	0.0016J	No	31	n/a	n/a	64.52	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	9/16/2020	0.0023J	No	15	n/a	n/a	33.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8RR	0.01	n/a	9/17/2020	0.00086J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.01	n/a	9/15/2020	0.00048J	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	9/15/2020	0.01ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.01	n/a	9/15/2020	0.001J	No	31	n/a	n/a	100	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.02221	n/a	9/17/2020	0.019	No	11	0.0078	0.005078	9.091	None	No	0.0005486	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.01	n/a	9/15/2020	0.01ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.01	n/a	9/21/2020	0.01ND	No	31	n/a	n/a	93.55	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.01	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.01	n/a	9/17/2020	0.01ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.025	n/a	9/15/2020	0.025ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

Bedrock Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWA-2	0.025	n/a	9/15/2020	0.025ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.025	n/a	9/15/2020	0.025ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4RZ	0.025	n/a	9/17/2020	0.025ND	No	4	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50R	0.01777	n/a	9/15/2020	0.0031J	No	10	0.005944	0.004014	0	None	No	0.0005486	Param Intra 1 of 2
Copper (mg/L)	GWC-10R	0.025	n/a	9/17/2020	0.025ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13RZ	0.025	n/a	9/22/2020	0.025ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.025	n/a	9/16/2020	0.025ND	No	10	n/a	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.025	n/a	9/17/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.005	n/a	9/15/2020	0.000093J	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.005	n/a	9/15/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.005	n/a	9/15/2020	0.00005J	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.005	n/a	9/17/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.005	n/a	9/15/2020	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.005	n/a	9/17/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.005	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13RZ	0.005	n/a	9/22/2020	0.000071J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.005	n/a	9/21/2020	0.00093J	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.005	n/a	9/16/2020	0.005ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8RR	0.005	n/a	9/17/2020	0.00008J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-2	0.0005	n/a	9/15/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13RZ	0.0005	n/a	9/22/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-15R	0.0005	n/a	9/21/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8RR	0.0005	n/a	9/17/2020	0.0005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	9/15/2020	0.01ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	9/15/2020	0.01ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.01	n/a	9/15/2020	0.0013J	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.01	n/a	9/17/2020	0.01ND	No	4	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50R	0.01209	n/a	9/15/2020	0.0012J	No	10	0.05305	0.01932	10	None	sqrt(x)	0.0005486	Param Intra 1 of 2
Nickel (mg/L)	GWC-10R	0.01	n/a	9/17/2020	0.01ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.01	n/a	9/21/2020	0.0015J	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8RR	0.01	n/a	9/17/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2	0.01	n/a	9/15/2020	0.01ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.01	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004299	n/a	9/15/2020	0.0012J	No	21	0.002202	0.0008907	38.1	Kaplan-Meier	No	0.0005486	Param Intra 1 of 2
Silver (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-2R	0.001	n/a	9/15/2020	0.001ND	No	13	n/a	n/a	92.31	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-50R	0.001	n/a	9/15/2020	0.001ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	9/17/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	9/21/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-13RZ	0.001	n/a	9/22/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	9/15/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	9/15/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	9/15/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.01	n/a	9/17/2020	0.01ND	No	4	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	9/15/2020	0.01ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	9/21/2020	0.01ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-13RZ	0.011	n/a	9/22/2020	0.01ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15R	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	9/17/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.01974	n/a	9/15/2020	0.02ND	No	24	-5.343	0.6168	29.17	Kaplan-Meier	ln(x)	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWA-2	0.027	n/a	9/15/2020	0.02ND	No	25	n/a	n/a	48	n/a	n/a	0.002832	NP Intra (normality) 1 of 2

Bedrock Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWA-2R	0.02	n/a	9/15/2020	0.02ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4RZ	0.01	n/a	9/17/2020	0.0047J	No	4	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-50R	0.02265	n/a	9/15/2020	0.02ND	No	17	0.009815	0.005207	23.53	Kaplan-Meier	No	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.02	n/a	9/17/2020	0.02ND	No	27	n/a	n/a	40.74	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11R	0.017	n/a	9/21/2020	0.0037J	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-13RZ	0.01293	n/a	9/22/2020	0.02ND	No	23	-5.434	0.4686	30.43	Kaplan-Meier	ln(x)	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-15R	0.01063	n/a	9/21/2020	0.0036J	No	25	0.004906	0.002508	20	Kaplan-Meier	No	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-6RZ	0.0115	n/a	9/16/2020	0.02ND	No	10	0.1406	0.02888	40	Kaplan-Meier	x^(1/3)	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-8RR	0.02	n/a	9/17/2020	0.02ND	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP Intra (normality) 1 of 2

Bedrock Interwell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:25 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	GWC-11R	0.0097	n/a	9/21/2020	0.0053	No	149	n/a	n/a	71.14	n/a	n/a	0.00008924	NP Inter (NDs) 1 of 2

State Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:40 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-1 (bg)	-0.0009794	-315	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.004109	68	53	Yes	15	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007283	-165	-124	Yes	27	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.006529	343	176	Yes	34	0	n/a	n/a	0.01	NP

State Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	6	176	No	34	47.06	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2 (bg)	0	0	191	No	36	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2R (bg)	0	52	176	No	34	50	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-4RZ (bg)	0	-7	-53	No	15	53.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	0	-29	-146	No	30	96.67	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-11R	0	-20	-176	No	34	76.47	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.0009794	-315	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	0.0004475	57	176	No	34	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	0.000174	47	176	No	34	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.004109	68	53	Yes	15	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007283	-165	-124	Yes	27	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.006529	343	176	Yes	34	0	n/a	n/a	0.01	NP

Appendix III Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWA-1	35.77	n/a	9/15/2020	30.8	No	13	30.12	2.045	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-2	76.67	n/a	9/15/2020	18.4	No	13	21.87	19.84	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-2R	68.55	n/a	9/15/2020	21.4	No	13	4.874	1.233	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-3	2.13	n/a	3/11/2020	1	No	13	1.301	0.3004	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-4RZ	57.67	n/a	9/17/2020	48.4	No	13	48.45	3.34	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-50	4.676	n/a	9/16/2020	1.7	No	13	2.38	0.8311	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-50R	14.16	n/a	9/15/2020	0.94J	No	13	5.032	3.306	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	46.26	n/a	9/17/2020	32.6	No	13	976.2	421.5	0	None	x^2	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10R	48.64	n/a	9/17/2020	39	No	13	40.21	3.054	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11	30.68	n/a	9/21/2020	17.7	No	13	17.71	4.696	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11R	36.51	n/a	9/21/2020	26	No	13	25.31	4.056	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-12	9.786	n/a	9/21/2020	8	No	13	8.042	0.6313	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13	77.34	n/a	9/22/2020	43.1	No	13	48.64	10.39	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13RZ	66.28	n/a	9/22/2020	47.7	No	13	43.21	8.352	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-14Z	46.16	n/a	9/21/2020	13.1	No	13	23.01	8.383	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-15Z	30.61	n/a	9/21/2020	22.6	No	13	12616	5821	0	None	x^3	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-15R	62.5	n/a	9/21/2020	36.5	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWC-5	8.151	n/a	9/16/2020	2.8	No	13	1.854	0.3624	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	16.11	n/a	9/16/2020	14.3	No	12	13.73	0.8433	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6RZ	15.76	n/a	9/16/2020	8.8	No	12	11.35	1.561	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-7Z	27.62	n/a	9/16/2020	24.4	No	13	23.25	1.58	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8RR	25.71	n/a	9/17/2020	21.4	No	13	22.17	1.281	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8Z	27.75	n/a	9/17/2020	18.1	No	12	21.09	2.357	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-9	33.72	n/a	9/17/2020	18.3	No	13	10.16	8.529	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-1	2.705	n/a	9/15/2020	0.96J	No	13	1.707	0.3615	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-2	171.3	n/a	9/15/2020	35.3	No	13	45.47	45.57	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-2R	103.2	n/a	9/15/2020	1	No	13	1.076	1.289	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-3	1.359	n/a	3/11/2020	0.5ND	No	13	0.7044	0.2369	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-4RZ	29.81	n/a	9/17/2020	20.3	No	14	21.19	3.193	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-50	1.082	n/a	9/16/2020	0.5ND	No	13	0.692	0.1413	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-50R	1.77	n/a	9/15/2020	0.54J	No	13	1.035	0.2659	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-10	2.331	n/a	9/17/2020	0.87J	No	13	1.414	0.332	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-10R	2.202	n/a	9/17/2020	0.95J	No	13	1.539	0.2398	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-11	3.864	n/a	9/21/2020	2	No	13	2.667	0.4333	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-11R	4.815	n/a	9/21/2020	1.8	No	13	2.798	0.7303	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-12	0.8022	n/a	9/21/2020	0.5ND	No	13	0.6222	0.09903	23.08	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-13	205.7	n/a	9/22/2020	39.6	No	13	84.47	43.88	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-13RZ	108.2	n/a	9/22/2020	69.8	No	13	53.11	19.95	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-14Z	8.012	n/a	9/21/2020	5.5	No	12	3.192	1.707	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-15Z	14.01	n/a	9/21/2020	0.9J	No	13	4.438	3.464	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-15R	14.72	n/a	9/21/2020	9	No	13	9.142	2.02	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-5	2.23	n/a	9/16/2020	1.1	No	13	1.506	0.2621	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-6	4.05	n/a	9/16/2020	1.8	No	13	2.394	0.5998	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-6RZ	3.575	n/a	9/16/2020	1.3	No	13	2.112	0.5298	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-7Z	2.373	n/a	9/16/2020	1.1	No	13	0.8731	0.5429	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-8RR	2.043	n/a	9/17/2020	0.6J	No	13	1.043	0.3621	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-8Z	4.386	n/a	9/17/2020	0.74J	No	13	2.324	0.7467	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-9	4.885	n/a	9/17/2020	3.5	No	13	2.372	0.9101	7.692	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-1	192.9	n/a	9/15/2020	156	No	13	151.7	14.9	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-2	370	n/a	9/15/2020	28	No	13	122.7	89.51	7.692	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-2R	250.2	n/a	9/15/2020	89	No	13	120	47.12	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-3	58.82	n/a	3/11/2020	24	No	13	26.41	11.74	38.46	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-4RZ	444.4	n/a	9/17/2020	223	No	13	262.5	65.86	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-50	50.58	n/a	9/16/2020	20	No	13	23.65	9.751	30.77	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-50R	107.3	n/a	9/15/2020	12	No	13	37	25.45	23.08	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-10	203.4	n/a	9/17/2020	140	No	13	133.3	25.39	0	None	No	0.0004426	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-10R	224.9	n/a	9/17/2020	125	No	13	161	23.15	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-11	157.3	n/a	9/21/2020	93	No	13	95.08	22.54	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-11R	178.8	n/a	9/21/2020	145	No	13	128	18.4	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-12	114	n/a	9/21/2020	62	No	13	4.084	0.2771	0	None	x^(1/3)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-13	424.3	n/a	9/22/2020	176	No	13	239.6	66.87	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-13RZ	380.1	n/a	9/22/2020	248	No	13	67659	27810	0	None	x^2	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-14Z	287.4	n/a	9/21/2020	94	No	13	123.6	59.29	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-15Z	233.3	n/a	9/21/2020	122	No	13	125.5	39.04	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-15R	247.9	n/a	9/21/2020	186	No	13	166.2	29.56	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-5	124	n/a	9/16/2020	30	No	13	43.54	29.12	15.38	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-6	169.5	n/a	9/16/2020	77	No	13	9.238	1.368	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-6RZ	163.6	n/a	9/16/2020	52	No	13	82	29.54	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-7Z	174.7	n/a	9/16/2020	124	No	13	125.7	17.74	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-8RR	132.3	n/a	9/17/2020	111	No	13	108.6	8.559	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-8Z	178.6	n/a	9/17/2020	98	No	13	121.7	20.62	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-9	187.9	n/a	9/17/2020	94	No	13	64.54	44.65	0	None	No	0.0004426	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-13RZ	3.7	n/a	9/22/2020	7	Yes	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
pH (pH units)	GWC-10R	7.65	5.07	9/17/2020	7.7	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11R	7.65	5.07	9/21/2020	7.84	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8RR	7.65	5.07	9/17/2020	7.96	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-10	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10R	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11R	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.1	n/a	9/22/2020	0.0087J	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13RZ	0.1	n/a	9/22/2020	0.01J	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-14Z	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-15Z	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-15R	0.1	n/a	9/21/2020	0.0075J	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.1	n/a	9/16/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6	0.1	n/a	9/16/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6RZ	0.1	n/a	9/16/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-7Z	0.1	n/a	9/16/2020	0.0052J	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8RR	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8Z	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Chloride (mg/L)	GWC-10	3.7	n/a	9/17/2020	2.5	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10R	3.7	n/a	9/17/2020	2.9	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	3.7	n/a	9/21/2020	1	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11R	3.7	n/a	9/21/2020	1.3	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	3.7	n/a	9/21/2020	0.71J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	3.7	n/a	9/22/2020	3.5	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13RZ	3.7	n/a	9/22/2020	7	Yes	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-14Z	3.7	n/a	9/21/2020	3.5	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-15Z	3.7	n/a	9/21/2020	0.64J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-15R	3.7	n/a	9/21/2020	1.6	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-5	3.7	n/a	9/16/2020	0.7J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-6	3.7	n/a	9/16/2020	1.2	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-6RZ	3.7	n/a	9/16/2020	1.2	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-7Z	3.7	n/a	9/16/2020	0.79J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-8RR	3.7	n/a	9/17/2020	0.77J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-8Z	3.7	n/a	9/17/2020	1.4	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	3.7	n/a	9/17/2020	1.9	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-10	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10R	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11R	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-13	0.3	n/a	9/22/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-13RZ	0.3	n/a	9/22/2020	0.1J	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-14Z	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-15Z	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-15R	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-5	0.3	n/a	9/16/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-6	0.3	n/a	9/16/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-6RZ	0.3	n/a	9/16/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-7Z	0.3	n/a	9/16/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-8RR	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-8Z	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
pH (pH units)	GWC-10	7.65	5.07	9/17/2020	7.28	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-10R	7.65	5.07	9/17/2020	7.7	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11	7.65	5.07	9/21/2020	7.02	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11R	7.65	5.07	9/21/2020	7.84	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-12	7.65	5.07	9/21/2020	6.28	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-13	7.65	5.07	9/22/2020	7.34	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-13RZ	7.65	5.07	9/22/2020	6.95	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-14Z	7.65	5.07	9/21/2020	6.06	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-15Z	7.65	5.07	9/21/2020	7.65	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-15R	7.65	5.07	9/21/2020	7.48	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-5	7.65	5.07	9/16/2020	6	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-6	7.65	5.07	9/16/2020	7.33	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-6RZ	7.65	5.07	9/16/2020	6.99	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-7Z	7.65	5.07	9/16/2020	7.56	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8RR	7.65	5.07	9/17/2020	7.96	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8Z	7.65	5.07	9/17/2020	7.05	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-9	7.65	5.07	9/17/2020	6.39	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:43 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
pH (pH units)	GWA-3 (bg)	-0.1413	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-11R	-0.08652	-54	-53	Yes	15	0	n/a	n/a	0.01	NP

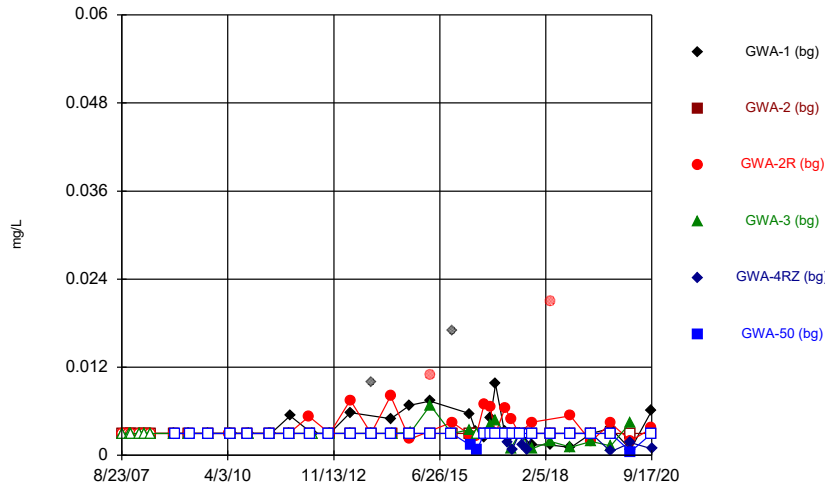
Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-1 (bg)	-0.08193	-38	-53	No	15	6.667	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.2877	-45	-53	No	15	6.667	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2R (bg)	-0.0308	-9	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-3 (bg)	-0.03156	-34	-48	No	14	7.143	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4RZ (bg)	0	-2	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-50 (bg)	-0.05571	-36	-53	No	15	6.667	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-50R (bg)	-0.05637	-44	-53	No	15	13.33	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-13RZ	0.7498	33	53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-1 (bg)	-0.03517	-43	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-2 (bg)	-0.0895	-37	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-2R (bg)	-0.07068	-43	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-3 (bg)	-0.1413	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-4RZ (bg)	-0.02273	-8	-58	No	16	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-50 (bg)	-0.08295	-44	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-50R (bg)	-0.2159	-49	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-10R	0.03227	20	53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-11R	-0.08652	-54	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-8RR	-0.02605	-24	-58	No	16	0	n/a	n/a	0.01	NP

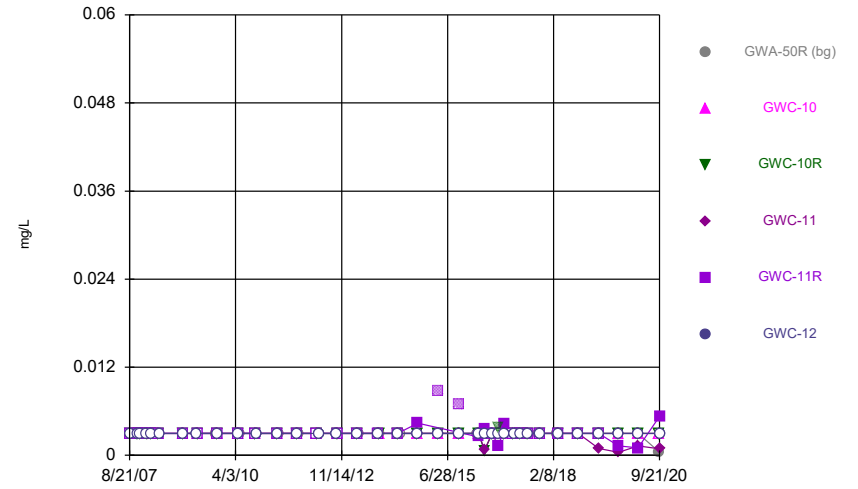
FIGURE A.

Time Series



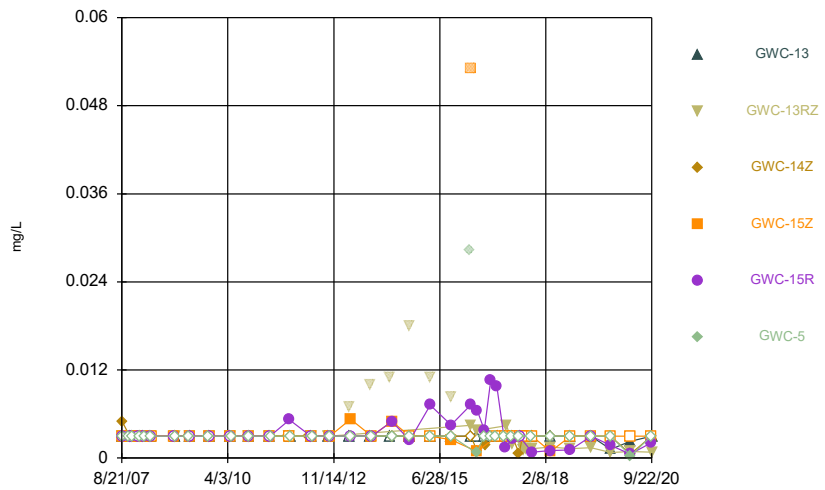
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



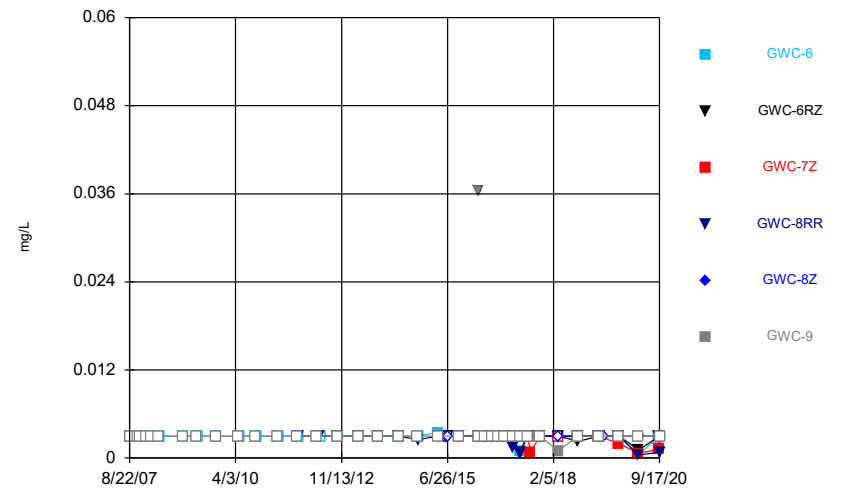
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Time Series



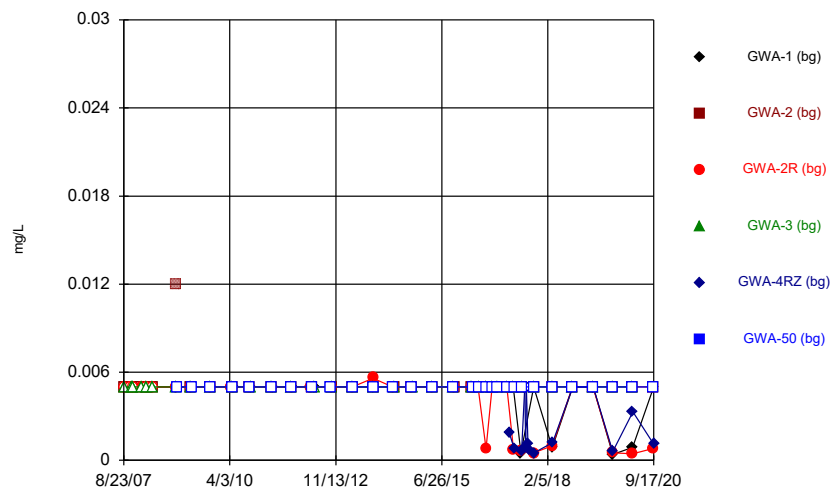
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Time Series



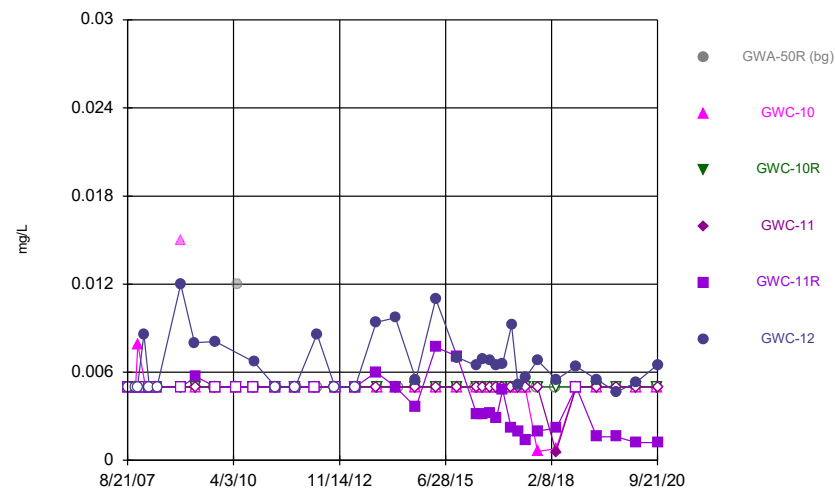
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Time Series



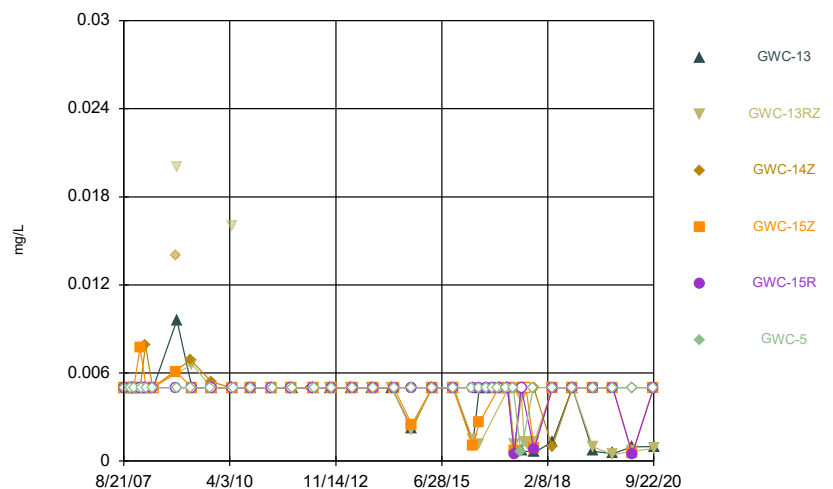
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Time Series



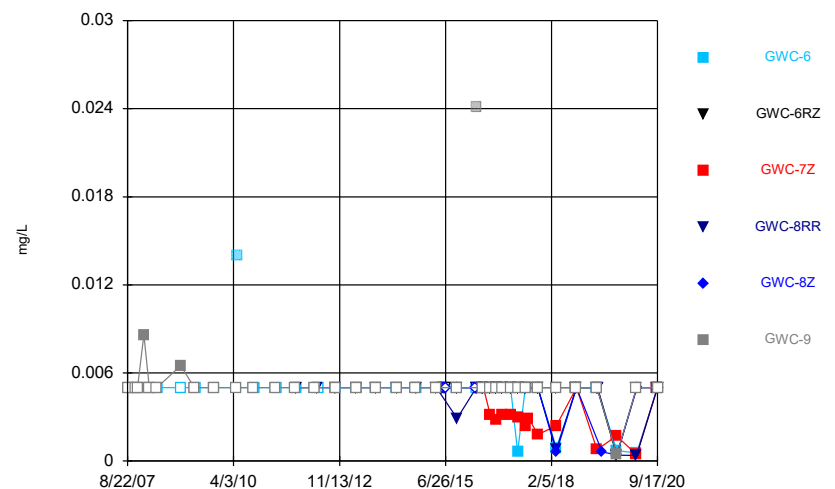
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



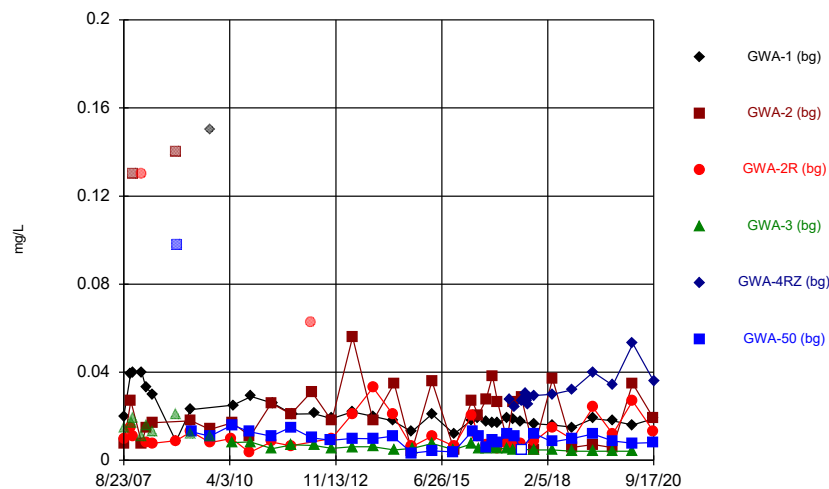
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



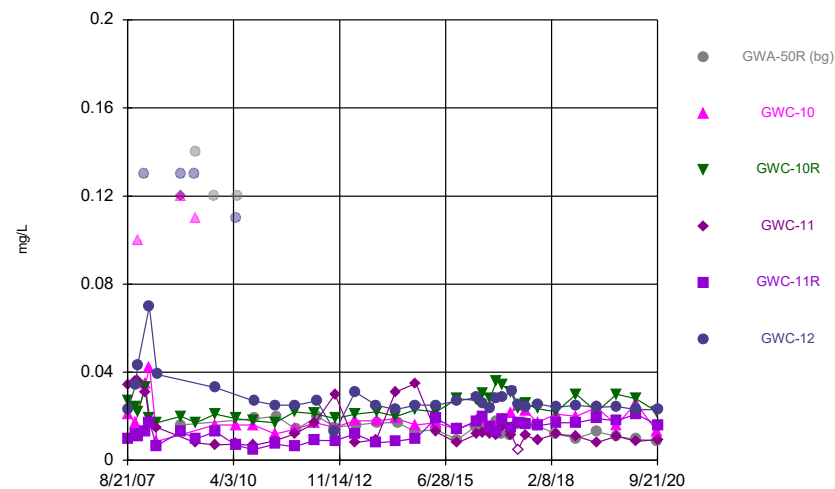
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



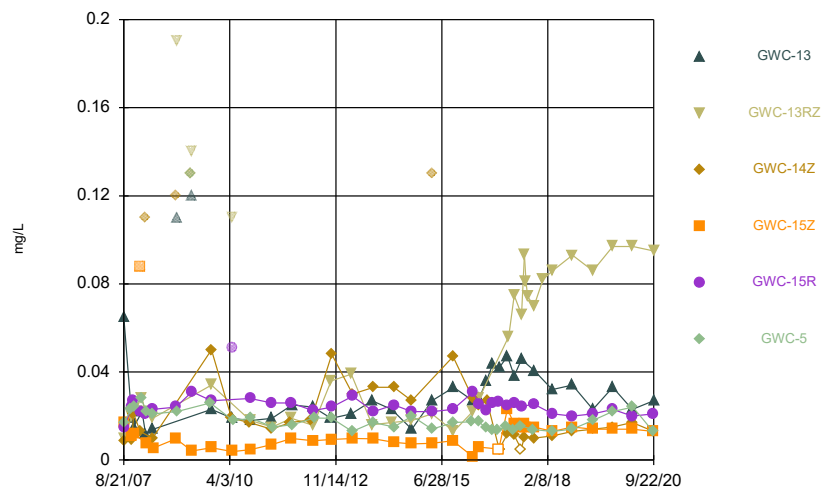
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Time Series



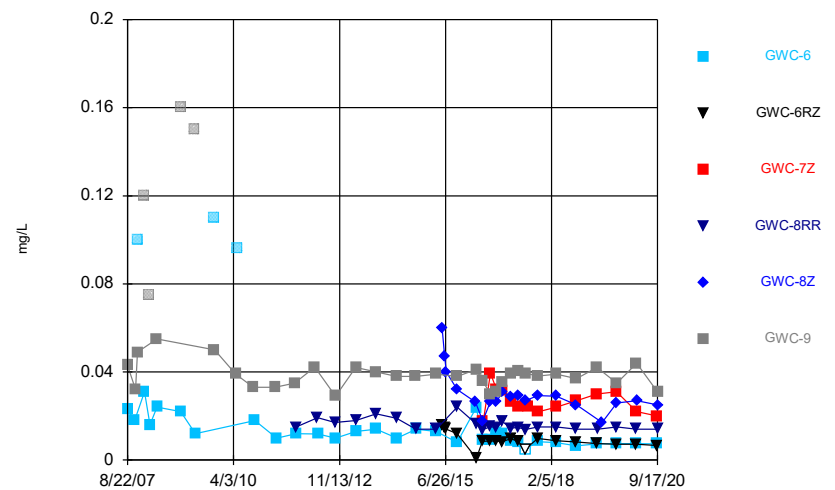
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



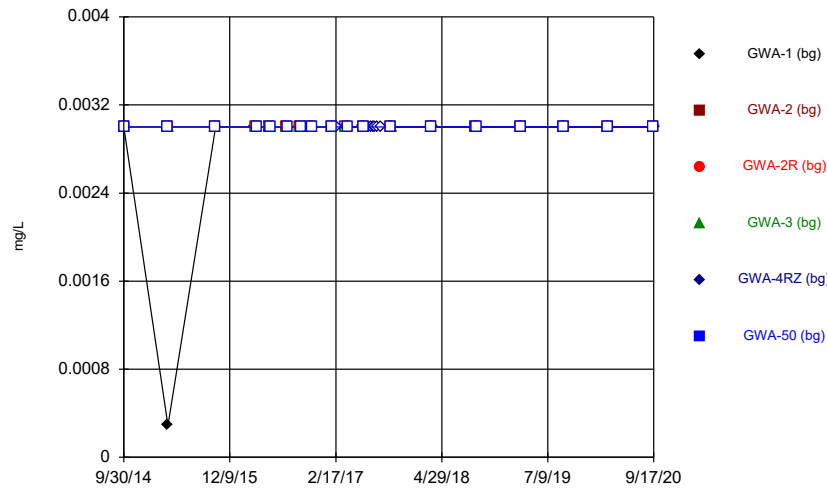
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



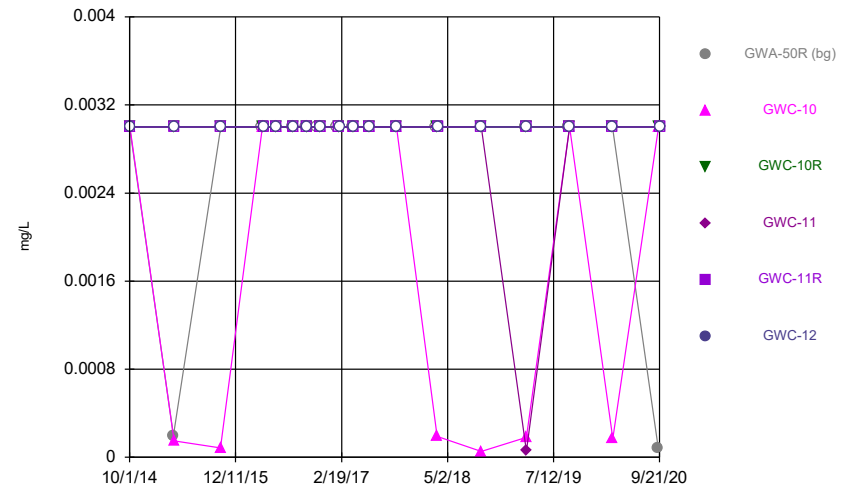
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



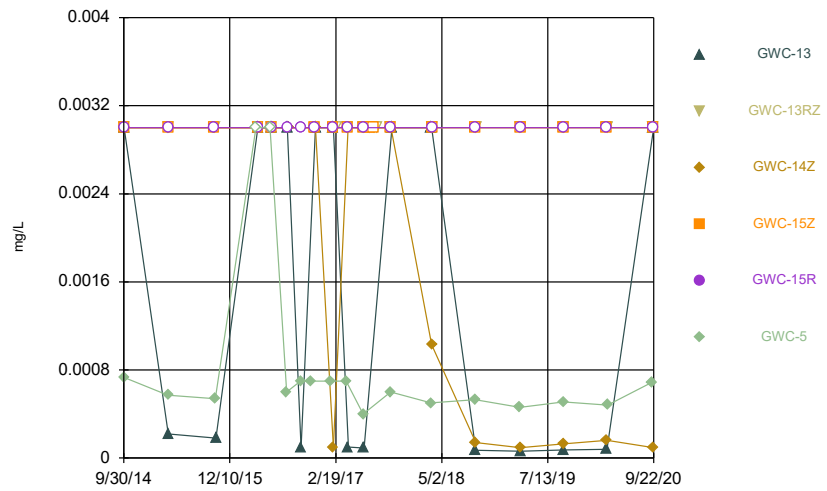
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



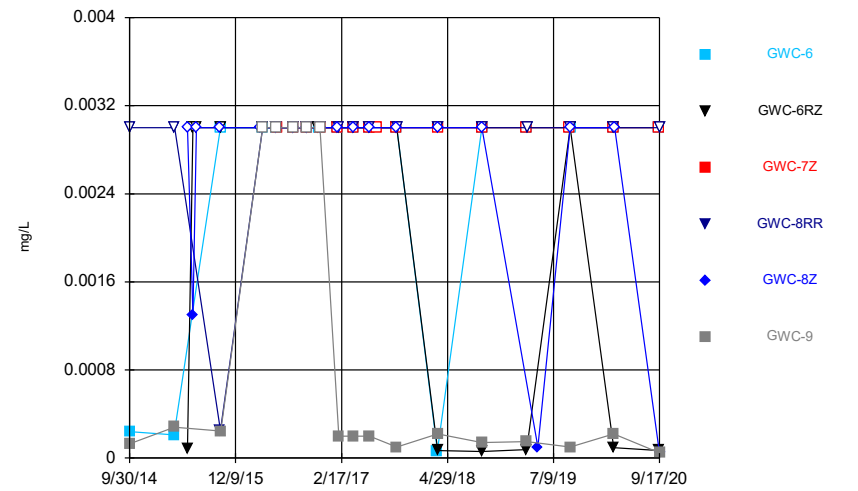
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



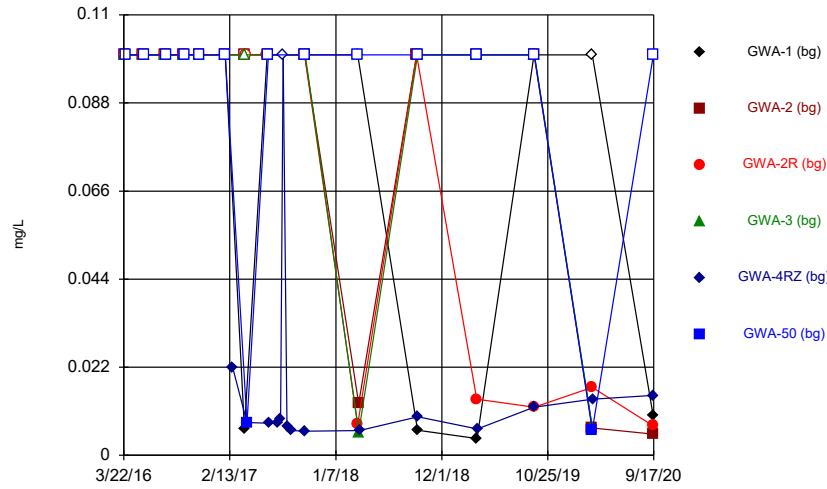
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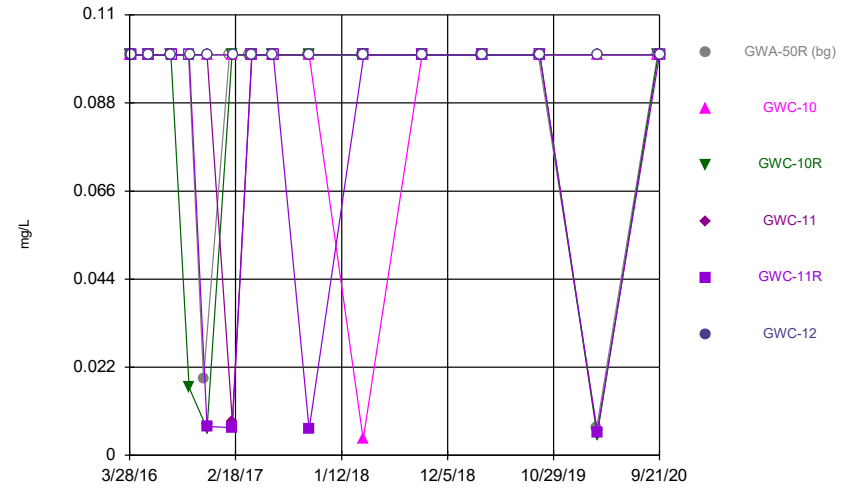
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

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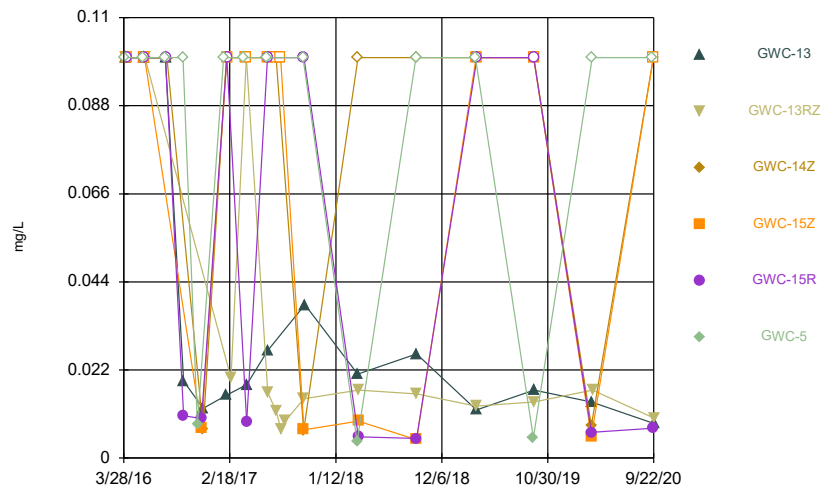
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



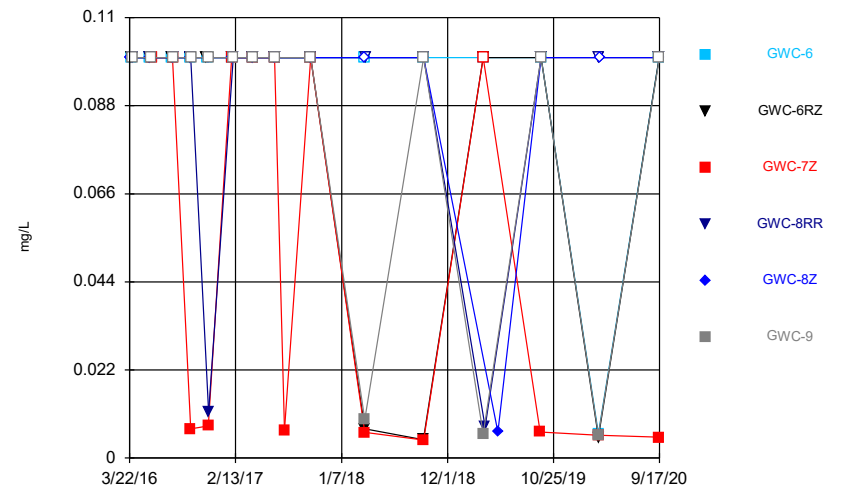
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



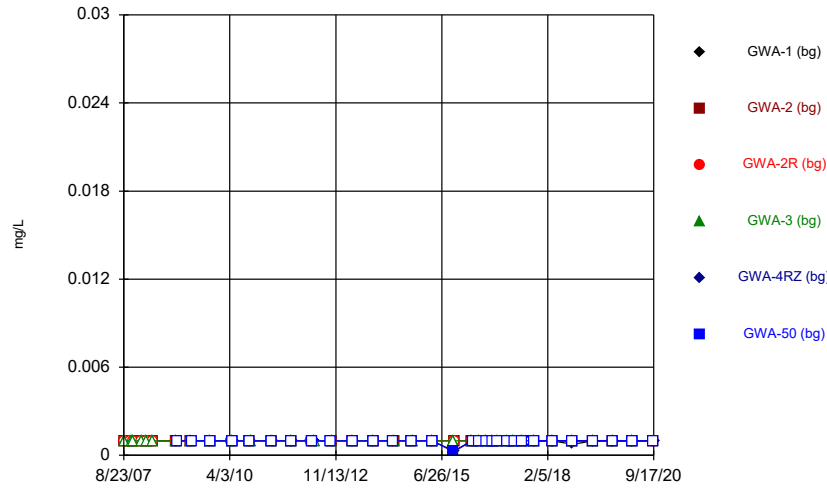
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



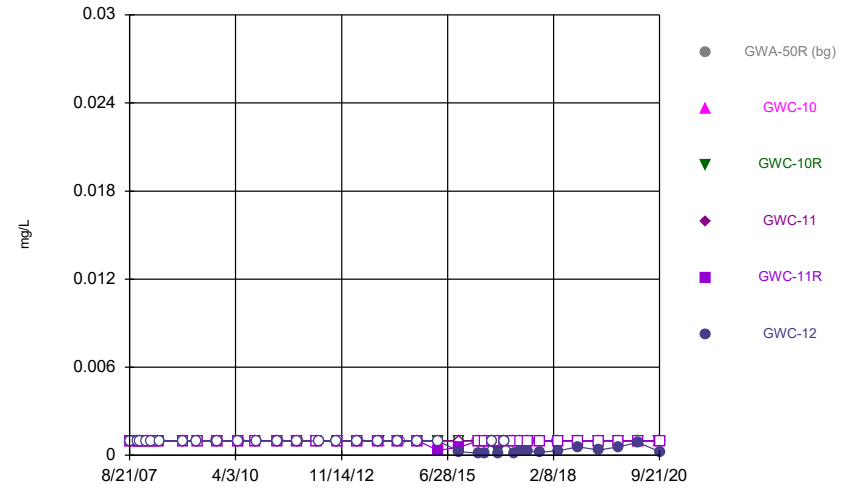
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



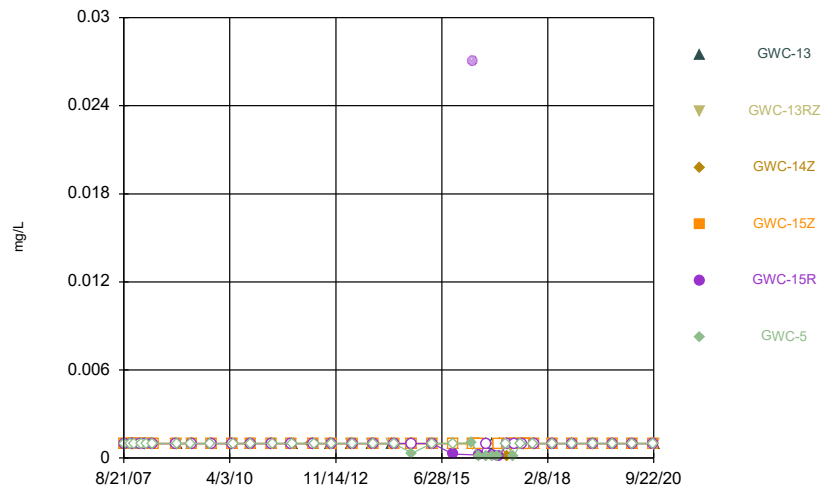
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



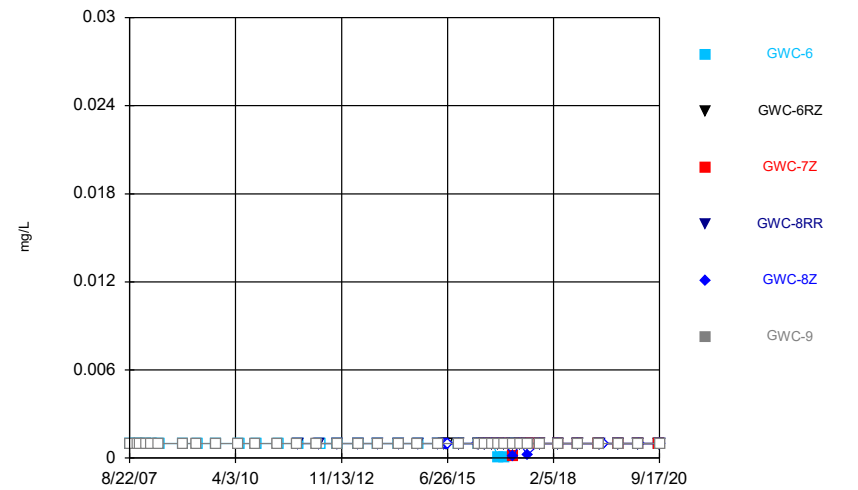
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



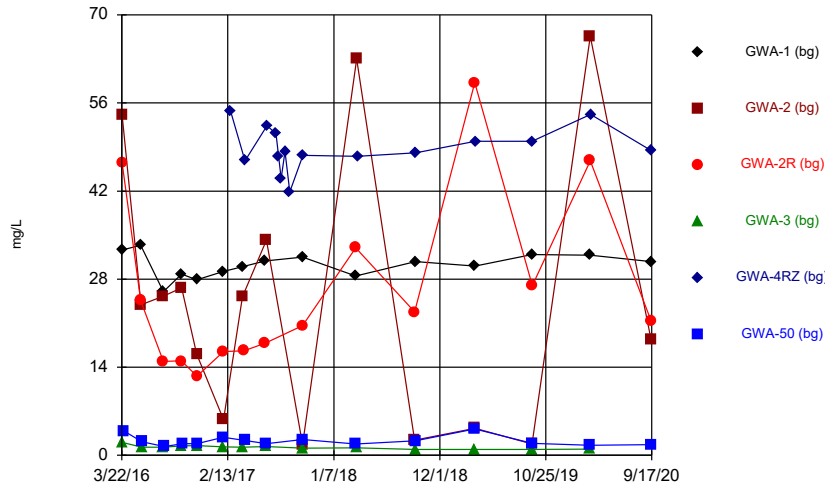
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



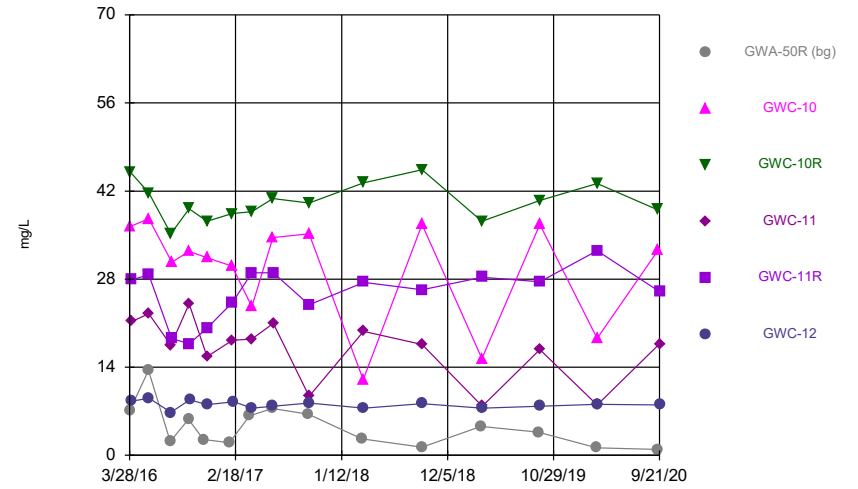
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Time Series



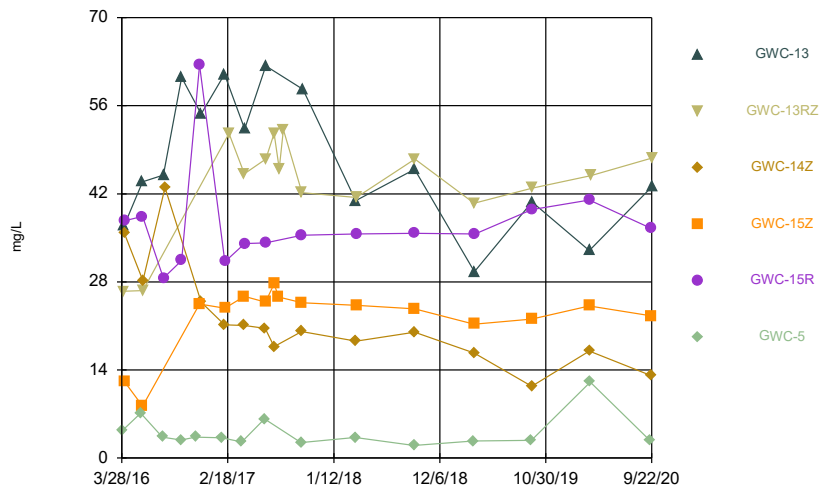
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



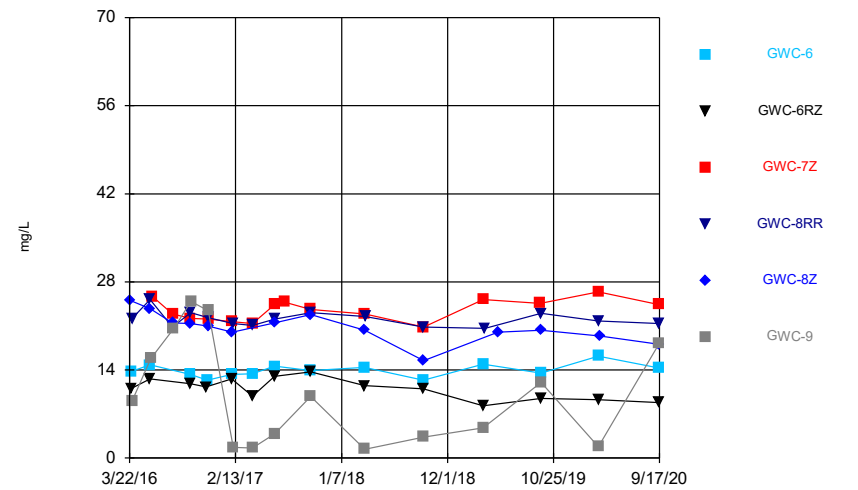
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



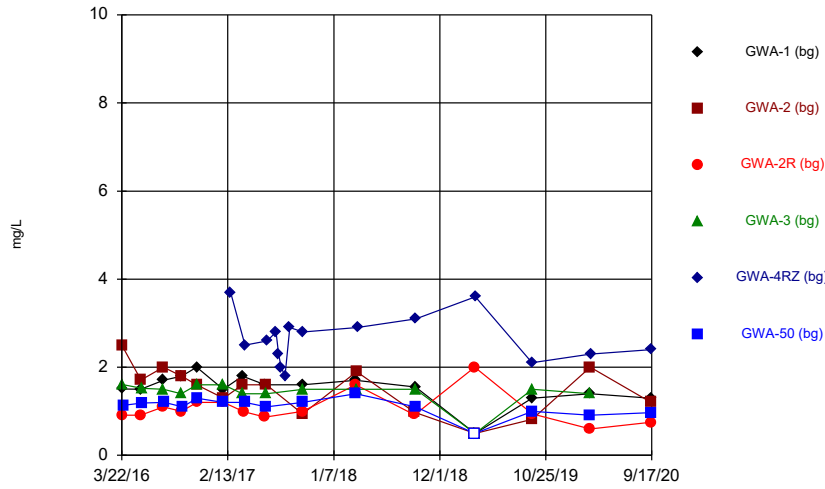
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Time Series



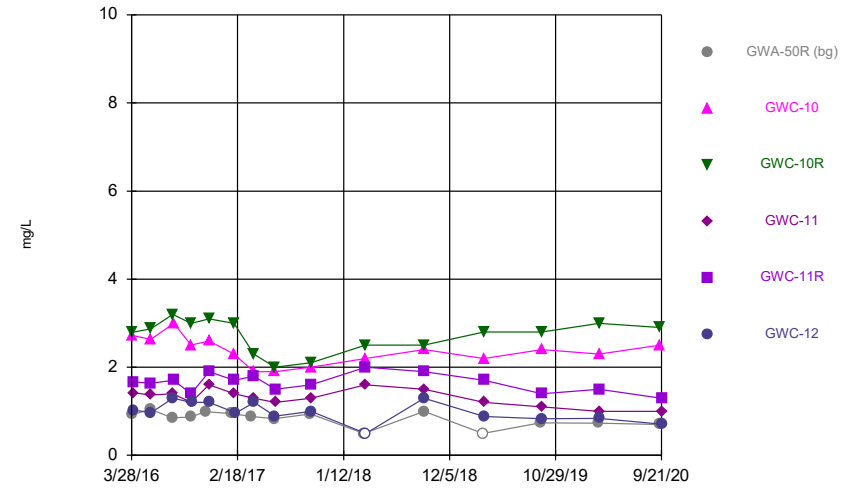
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



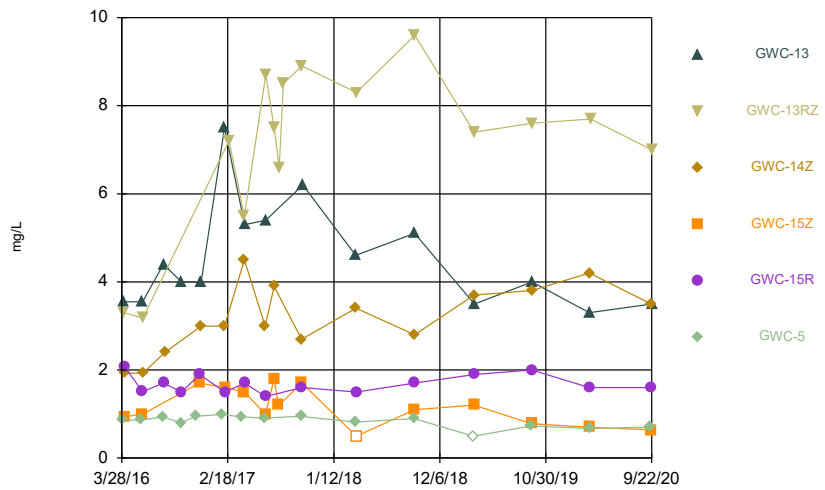
Constituent: Chloride Analysis Run 11/3/2020 3:22 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



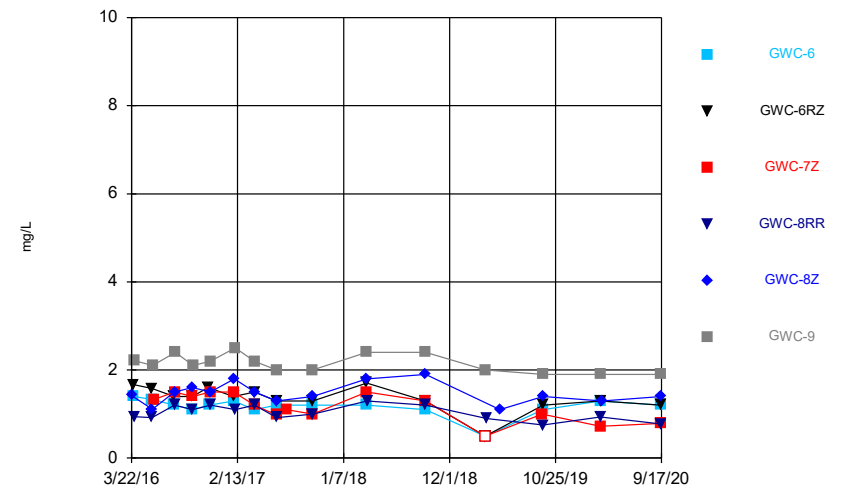
Constituent: Chloride Analysis Run 11/3/2020 3:22 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



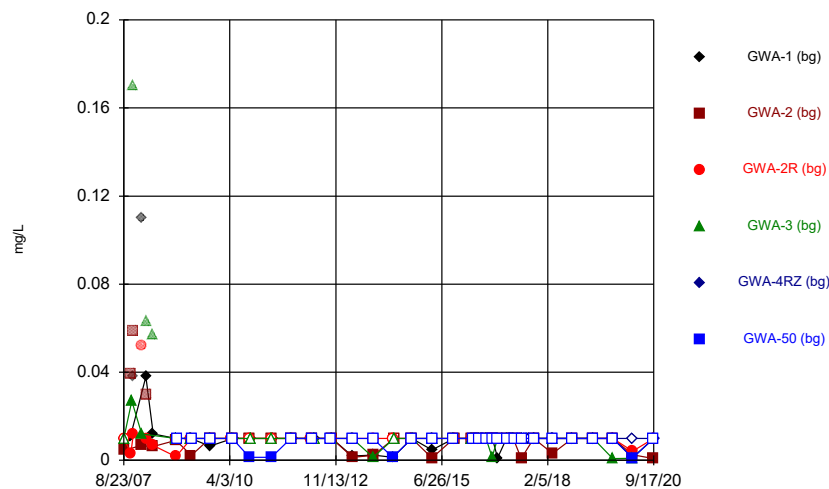
Constituent: Chloride Analysis Run 11/3/2020 3:22 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



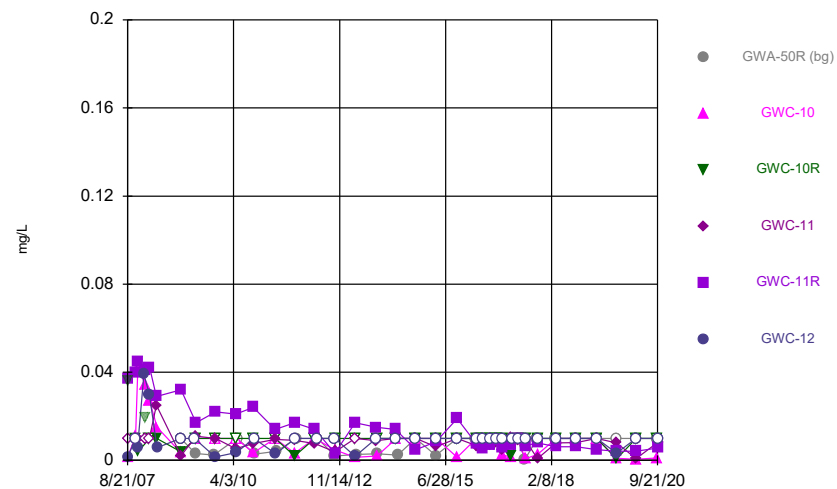
Constituent: Chloride Analysis Run 11/3/2020 3:22 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



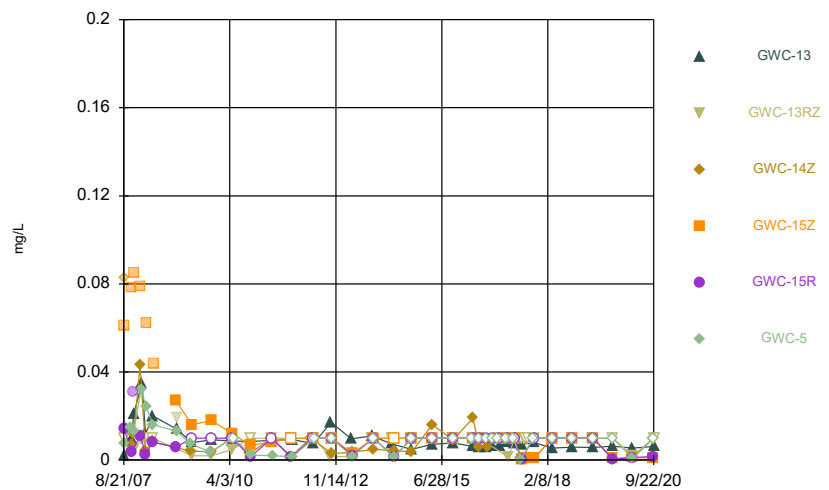
Constituent: Chromium Analysis Run 11/3/2020 3:22 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



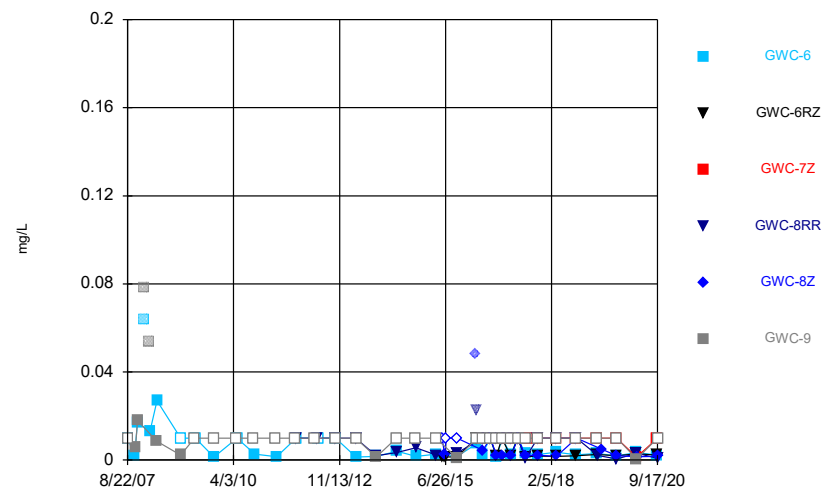
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



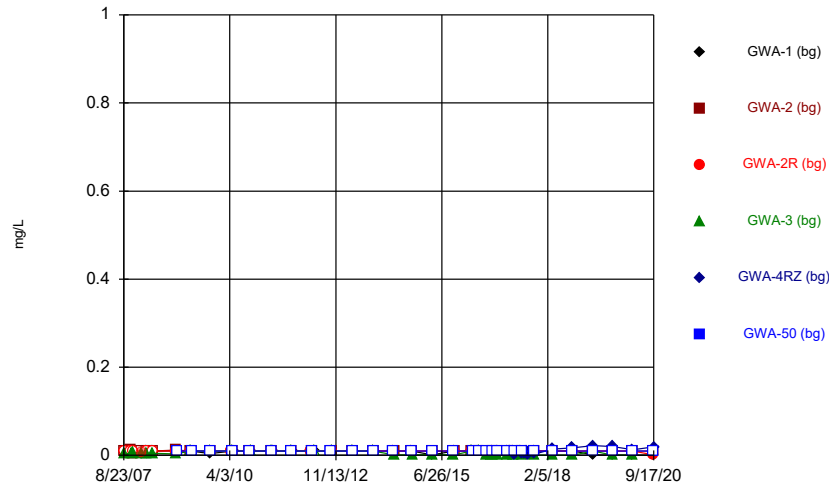
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



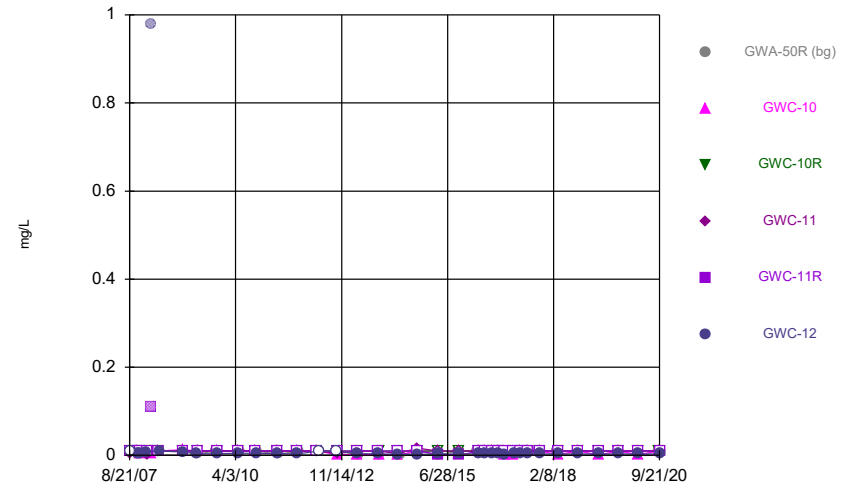
Constituent: Chromium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Cobalt Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



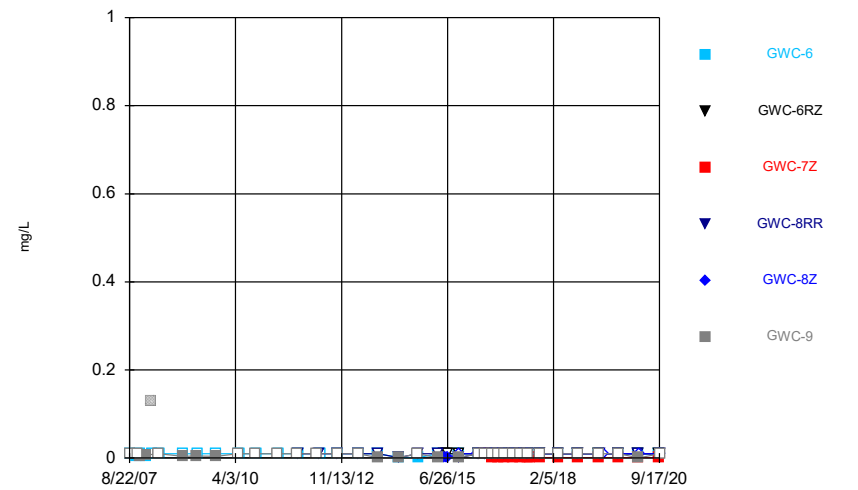
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



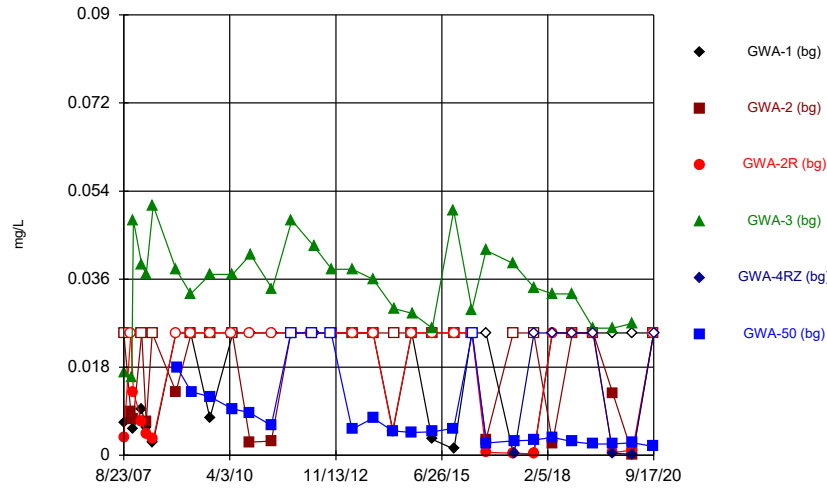
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



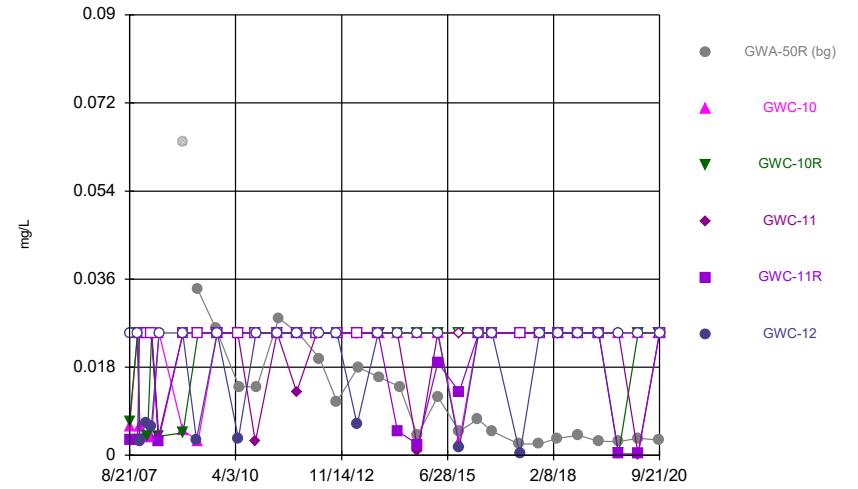
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



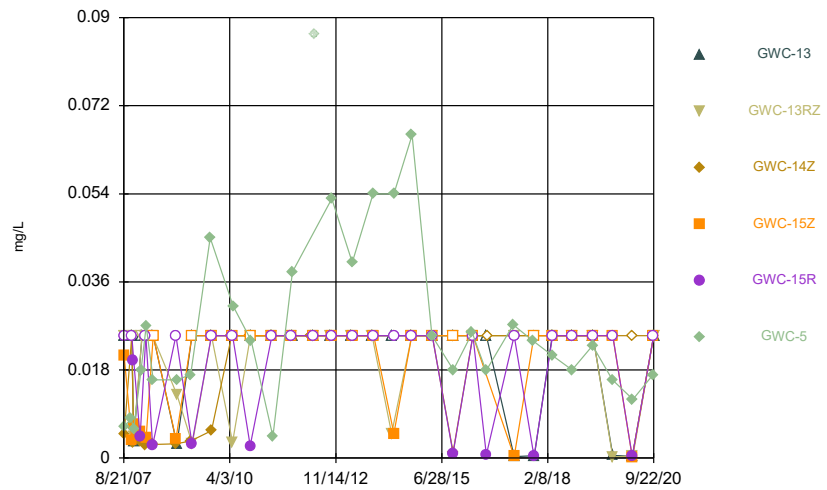
Constituent: Copper Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



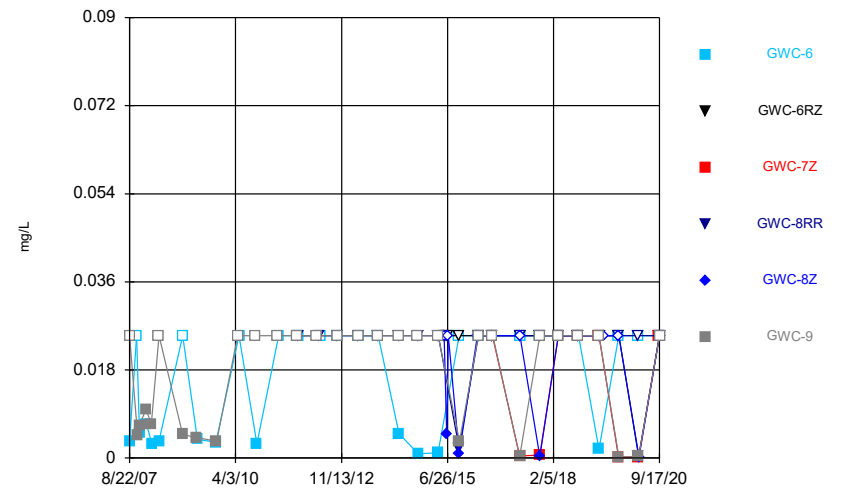
Constituent: Copper Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



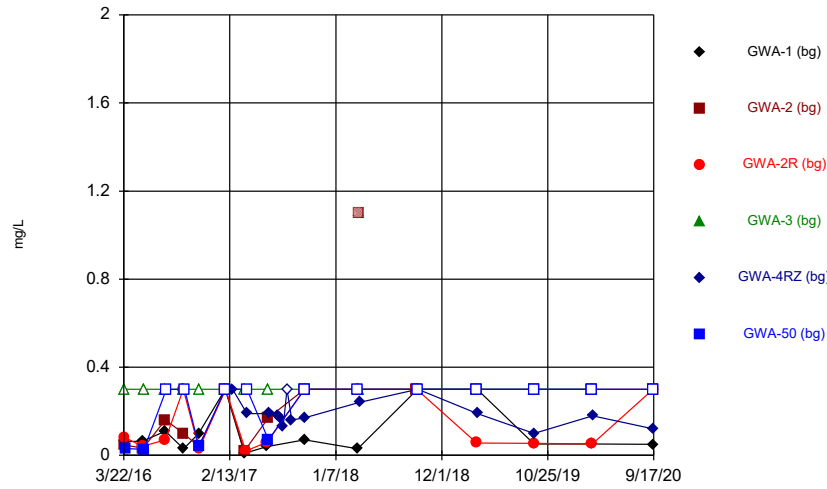
Constituent: Copper Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



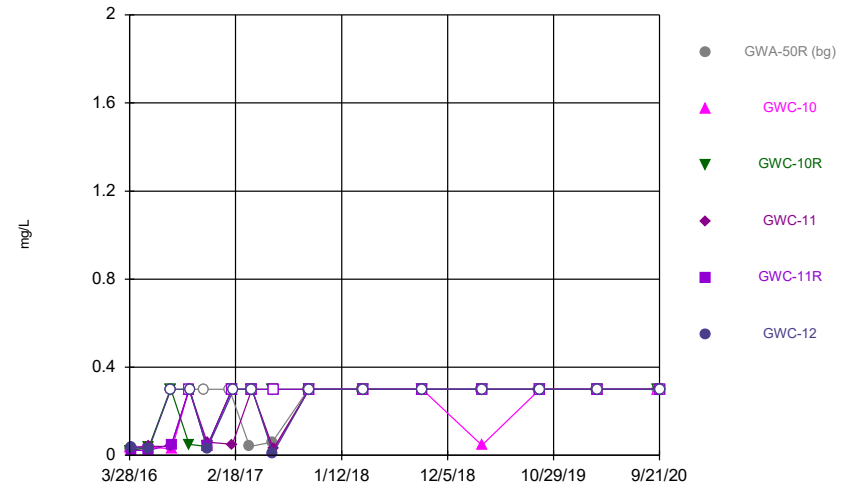
Constituent: Copper Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



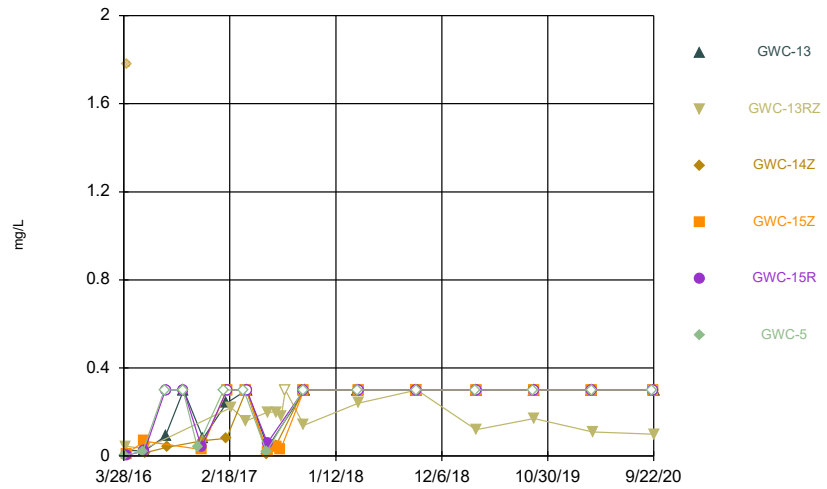
Constituent: Fluoride Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



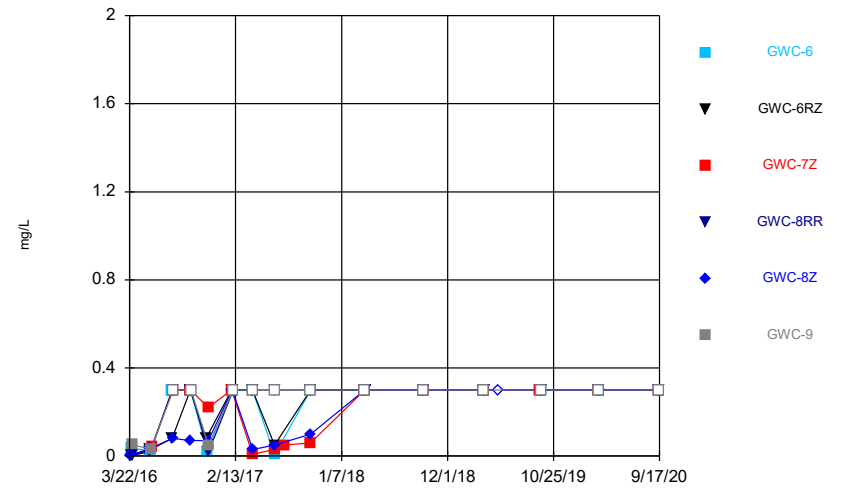
Constituent: Fluoride Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



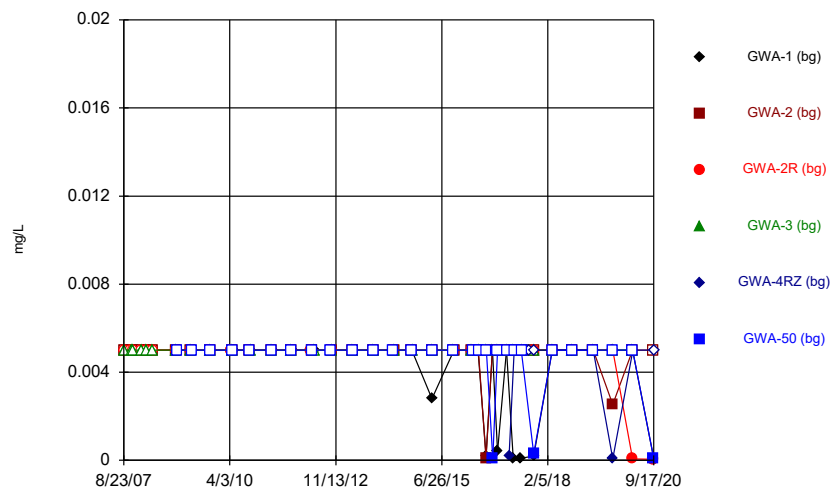
Constituent: Fluoride Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



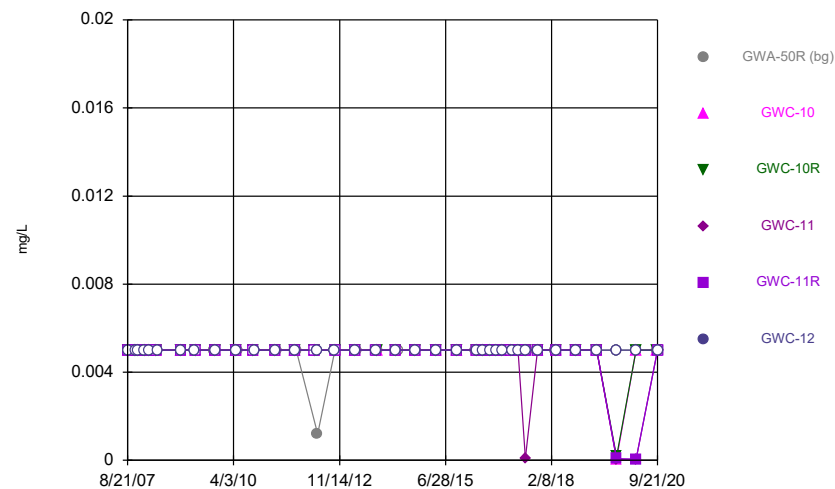
Constituent: Fluoride Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



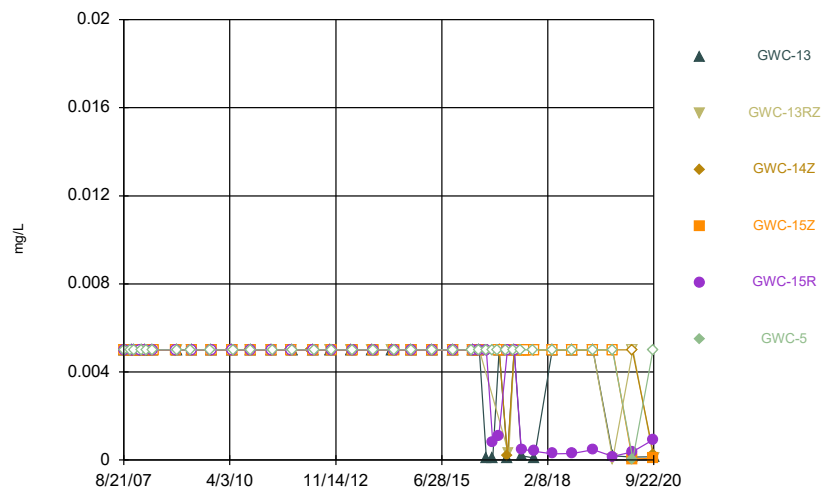
Constituent: Lead Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



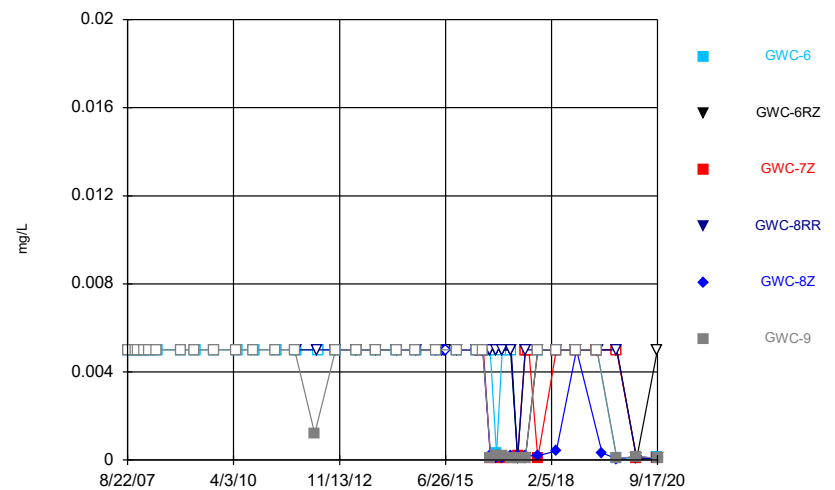
Constituent: Lead Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



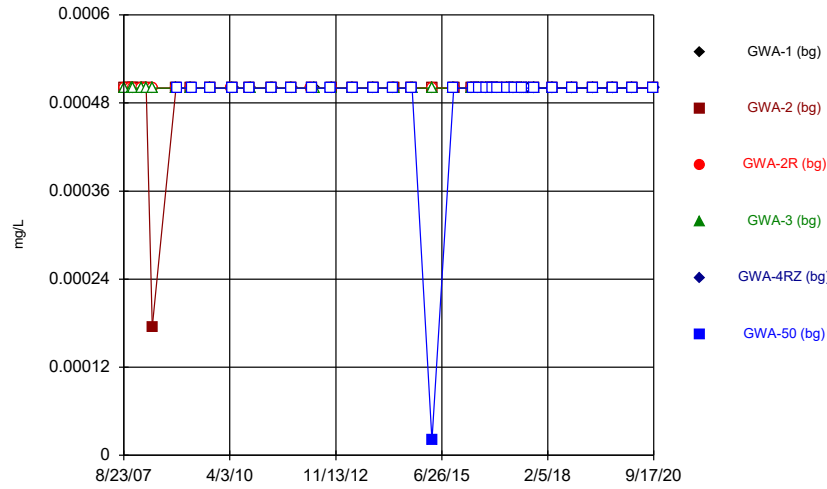
Constituent: Lead Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



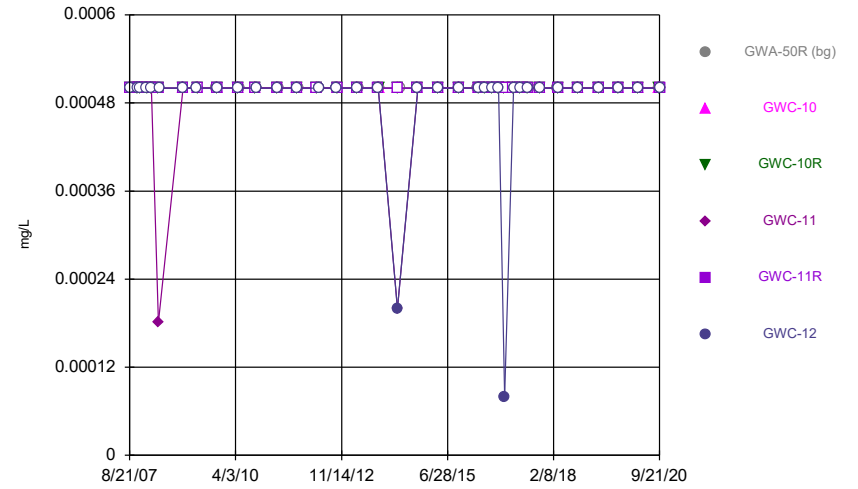
Constituent: Lead Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



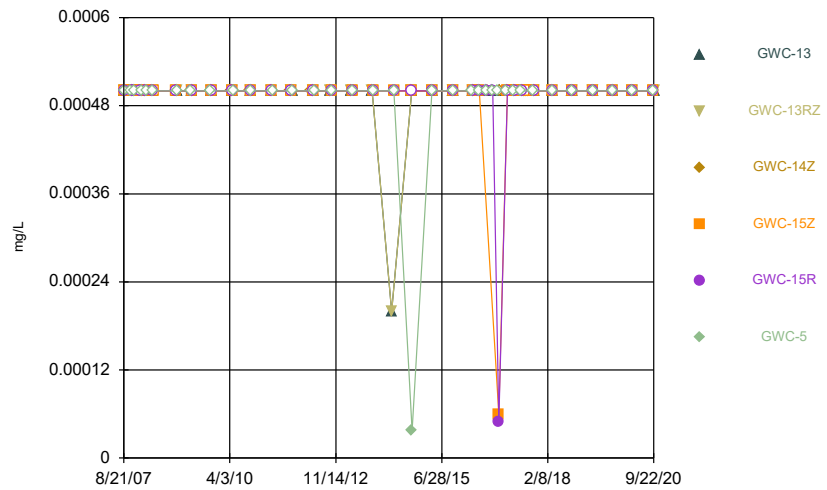
Constituent: Mercury Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



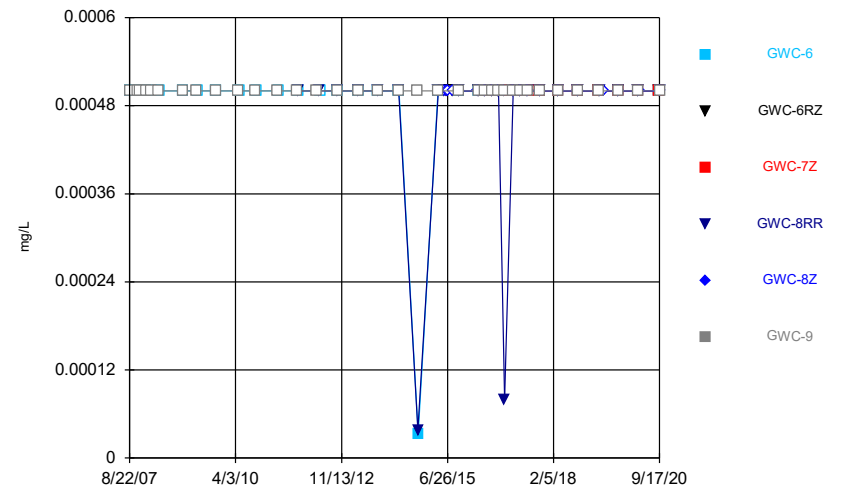
Constituent: Mercury Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



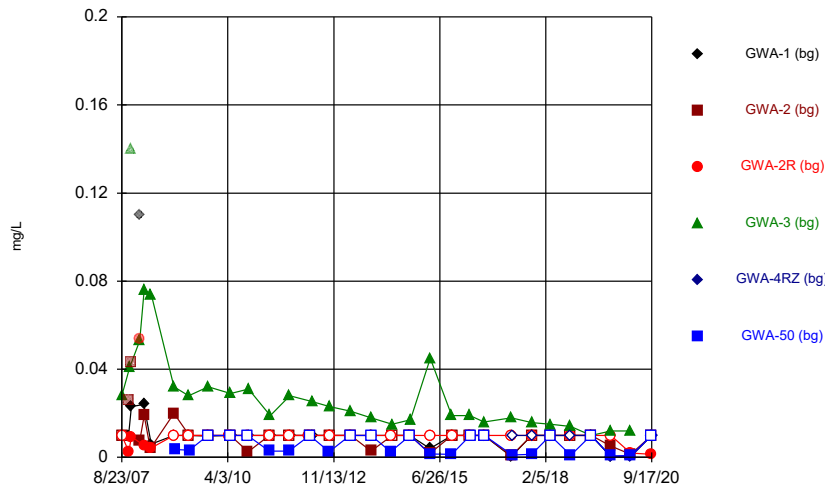
Constituent: Mercury Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



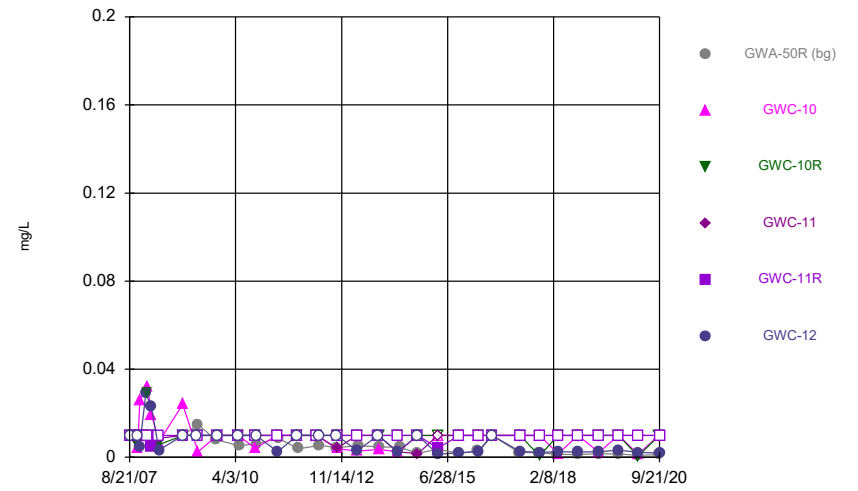
Constituent: Mercury Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



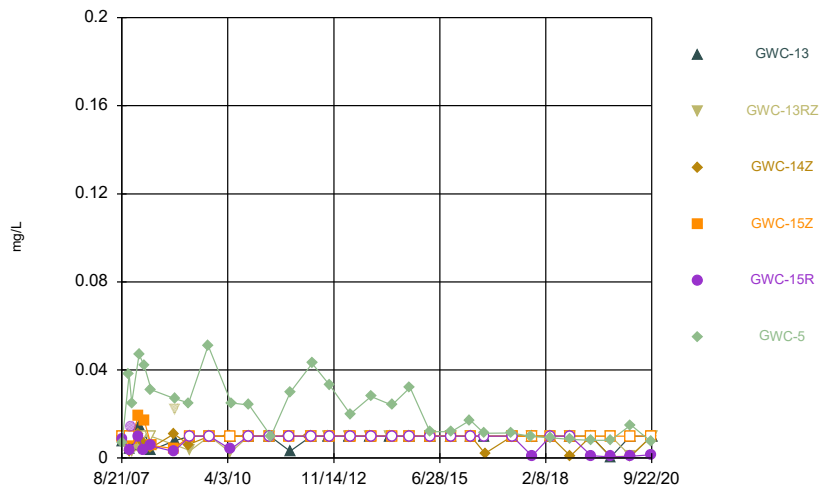
Constituent: Nickel Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



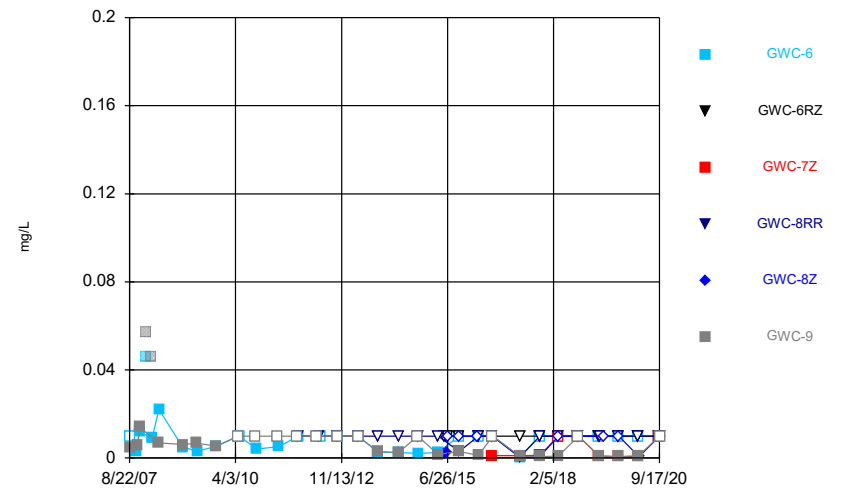
Constituent: Nickel Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



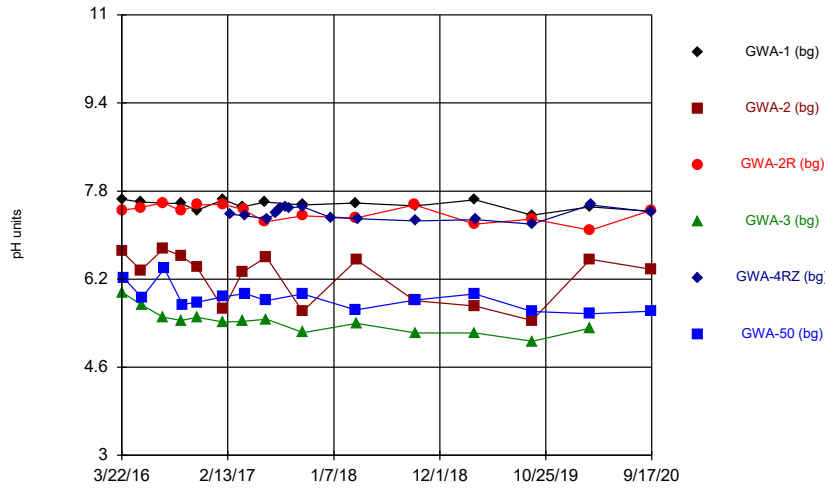
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



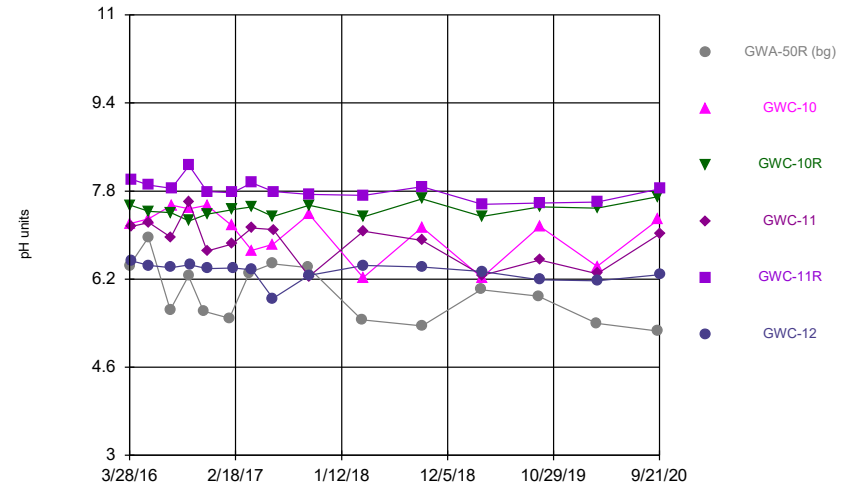
Constituent: Nickel Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



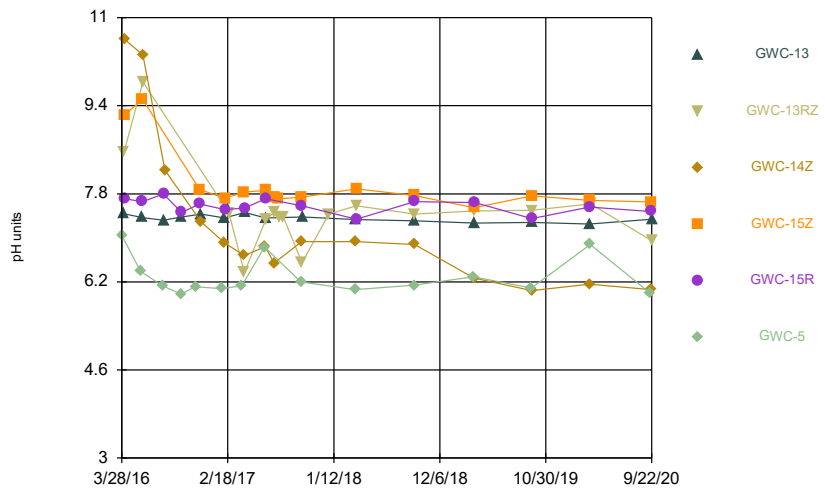
Constituent: pH Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



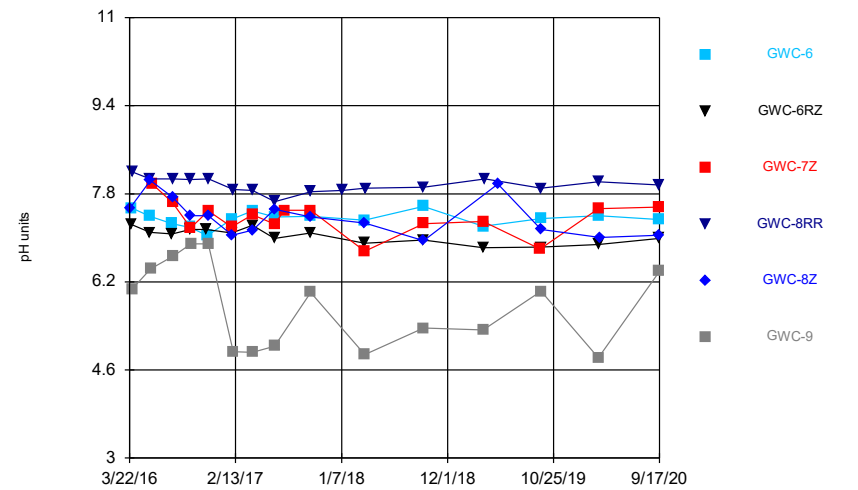
Constituent: pH Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



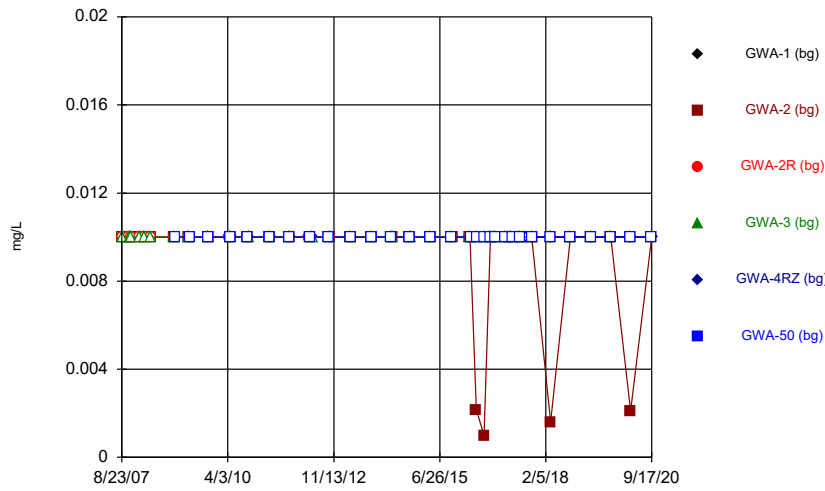
Constituent: pH Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



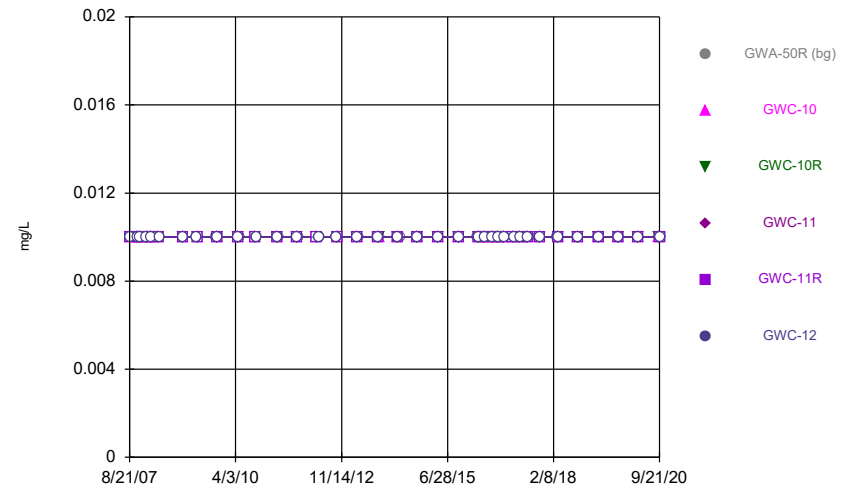
Constituent: pH Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



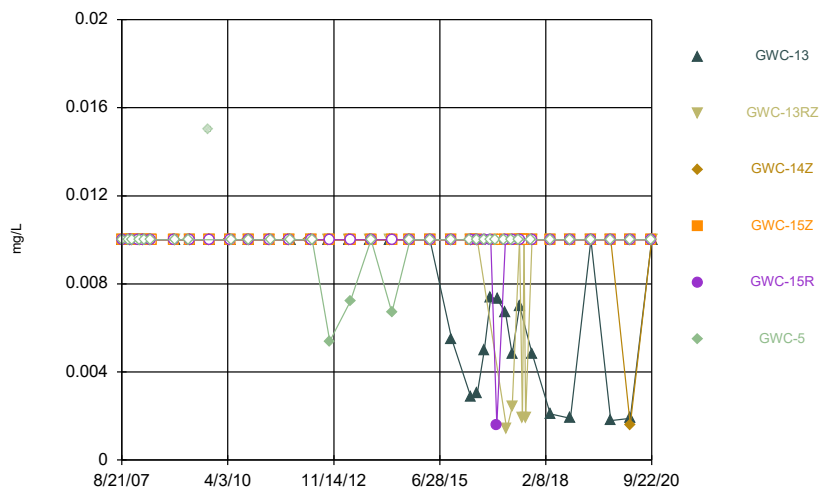
Constituent: Selenium Analysis Run 11/3/2020 3:23 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



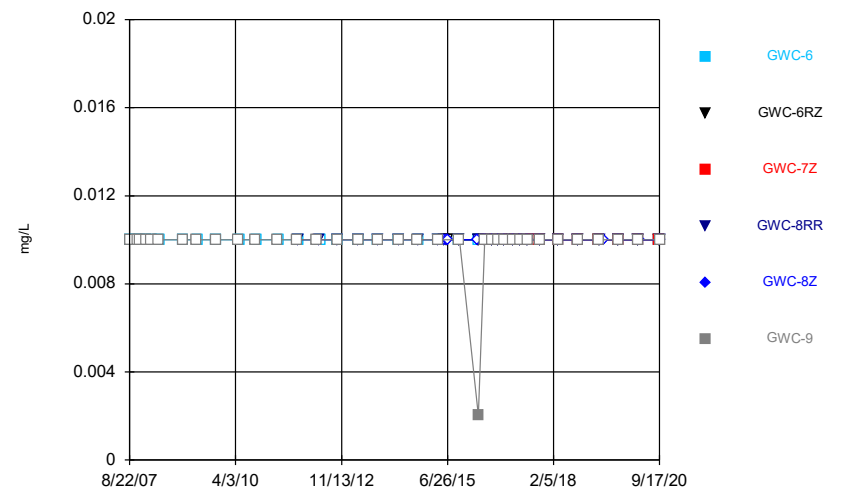
Constituent: Selenium Analysis Run 11/3/2020 3:23 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



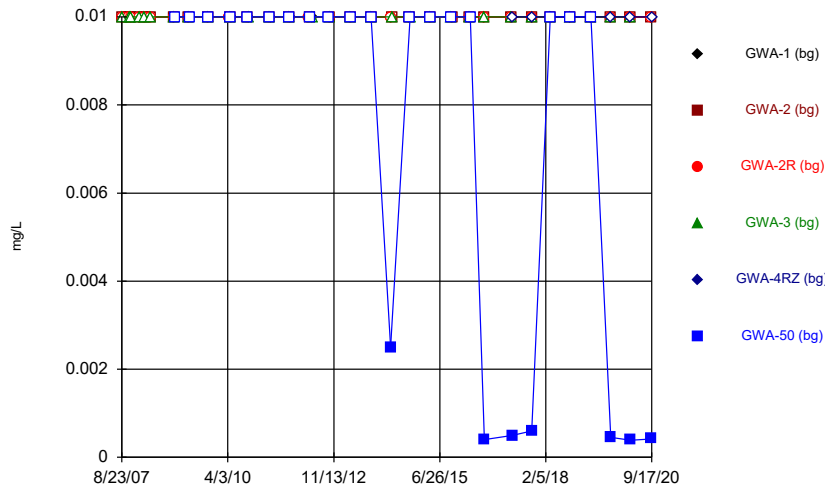
Constituent: Selenium Analysis Run 11/3/2020 3:23 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



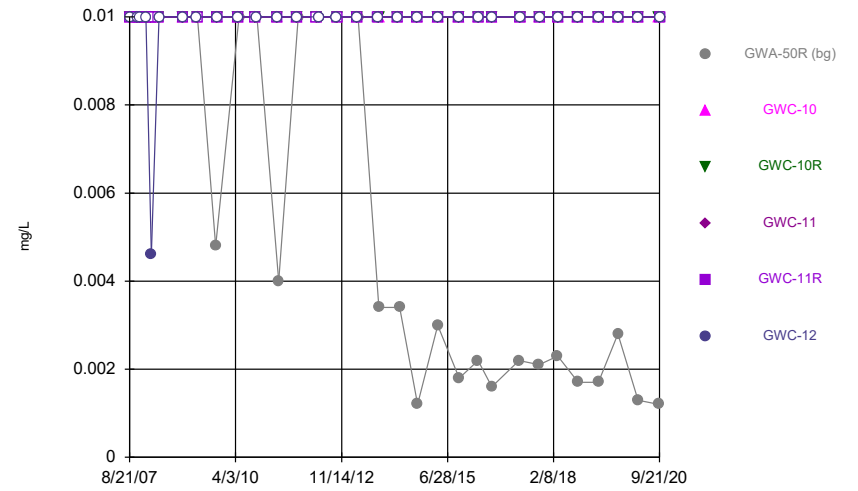
Constituent: Selenium Analysis Run 11/3/2020 3:23 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



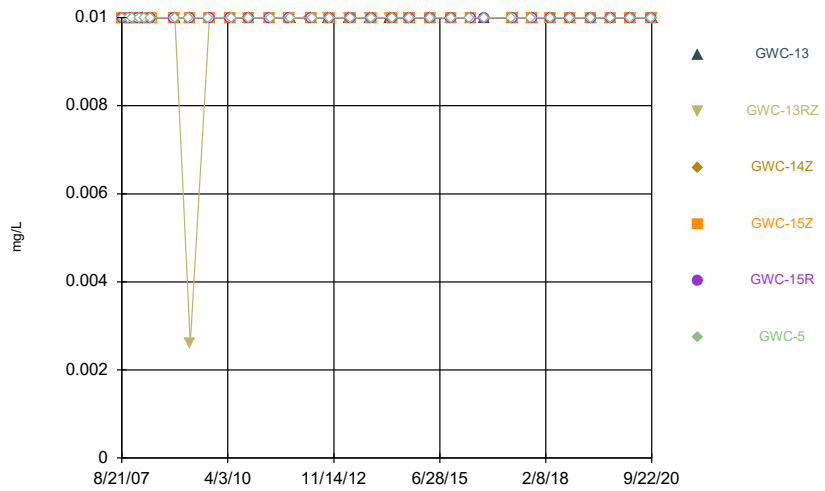
Constituent: Silver Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



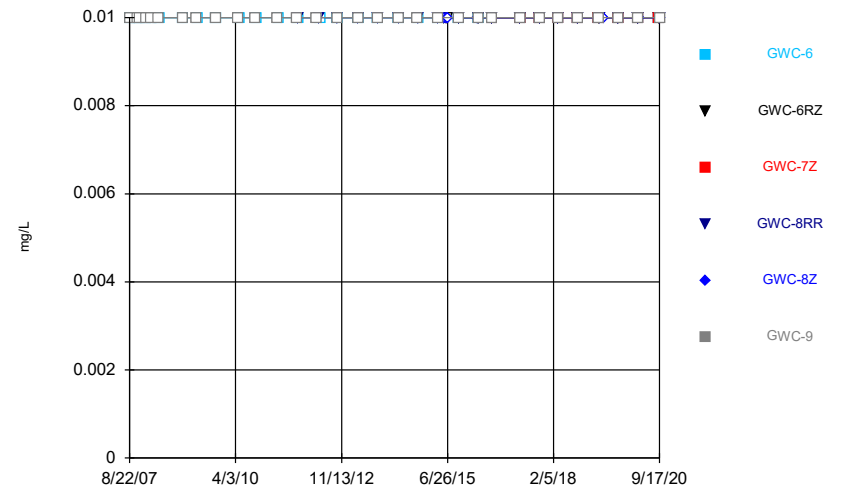
Constituent: Silver Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



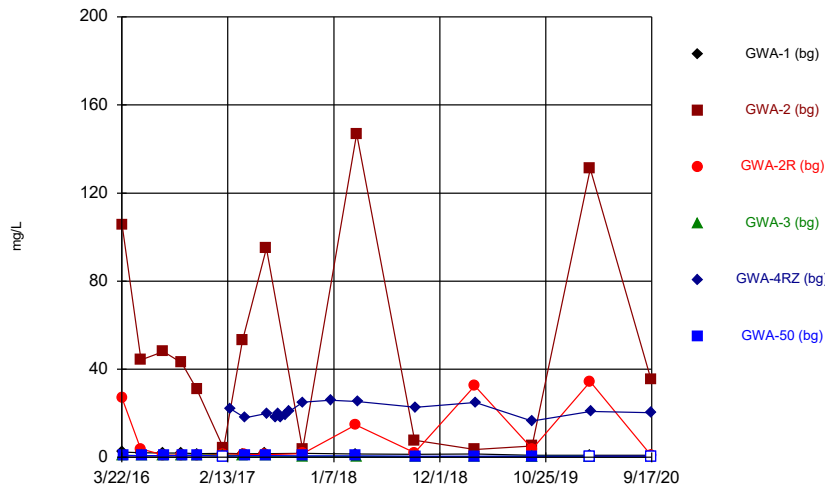
Constituent: Silver Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



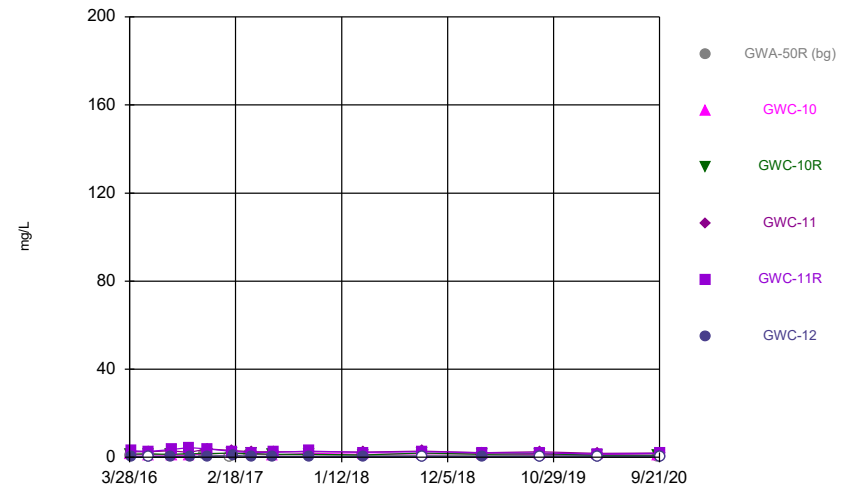
Constituent: Silver Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



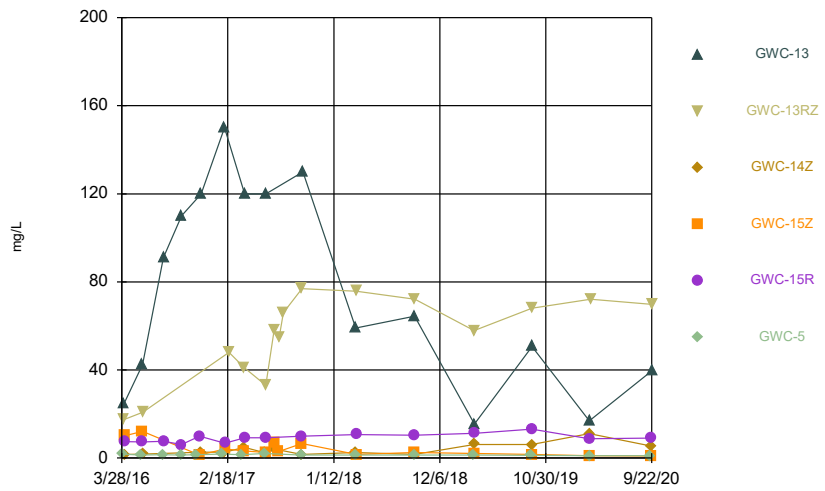
Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



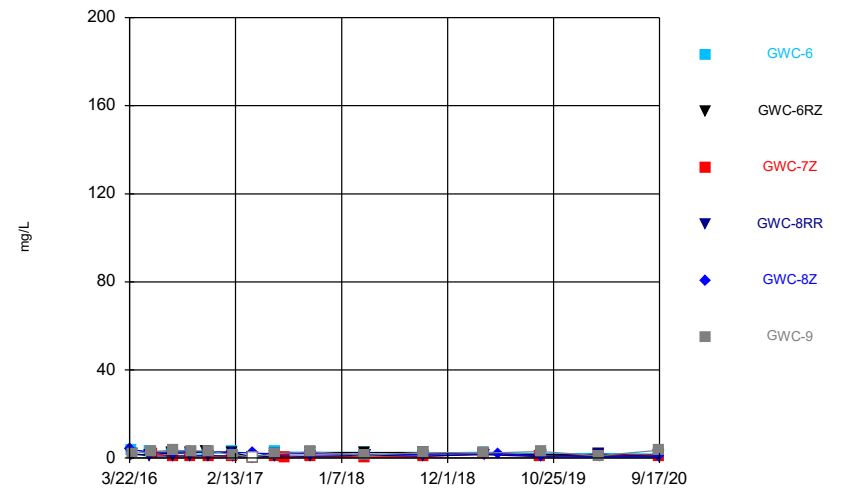
Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



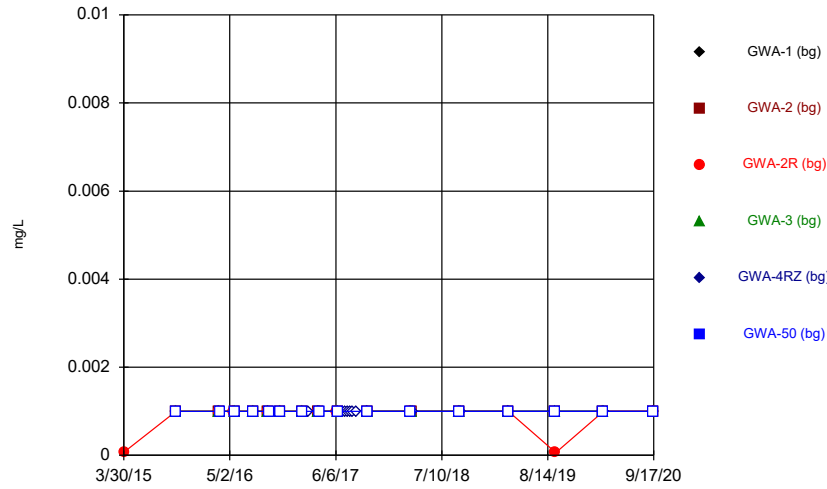
Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



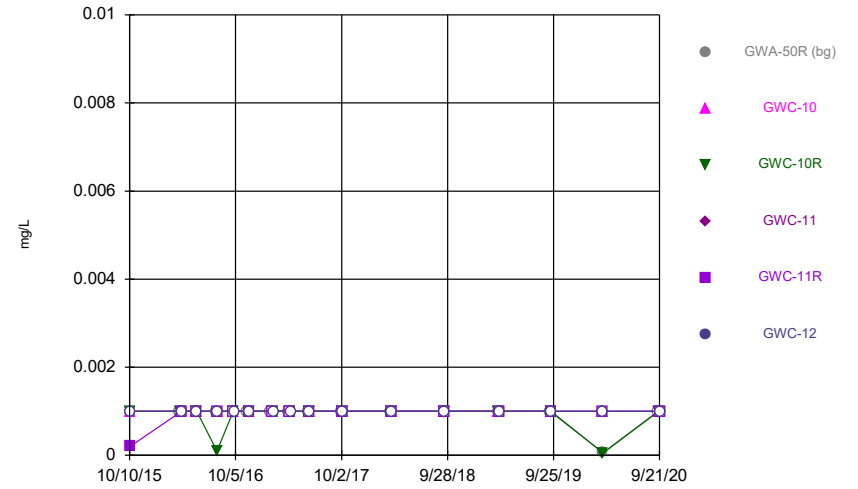
Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



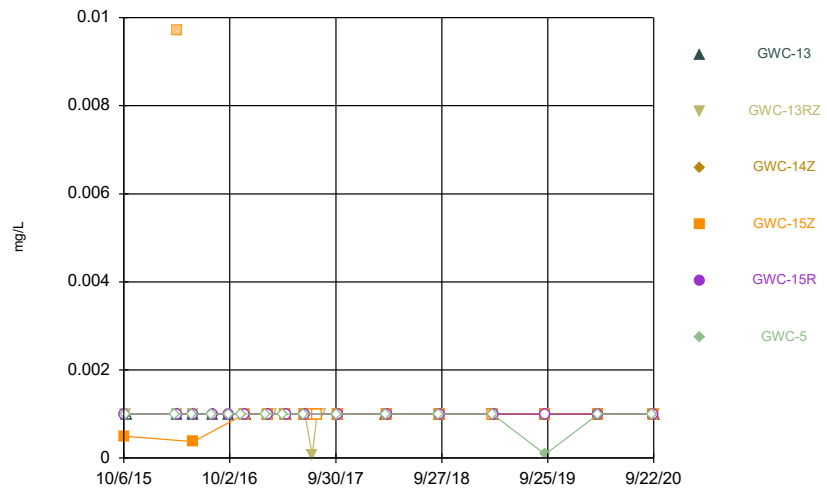
Constituent: Thallium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



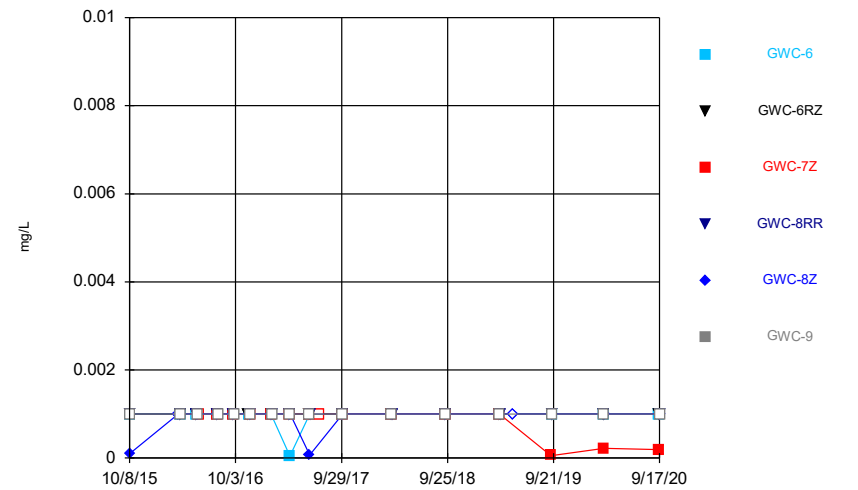
Constituent: Thallium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



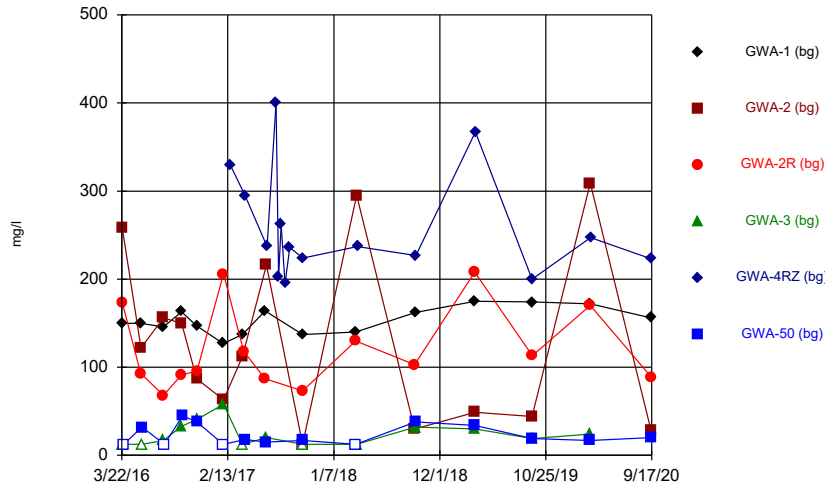
Constituent: Thallium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



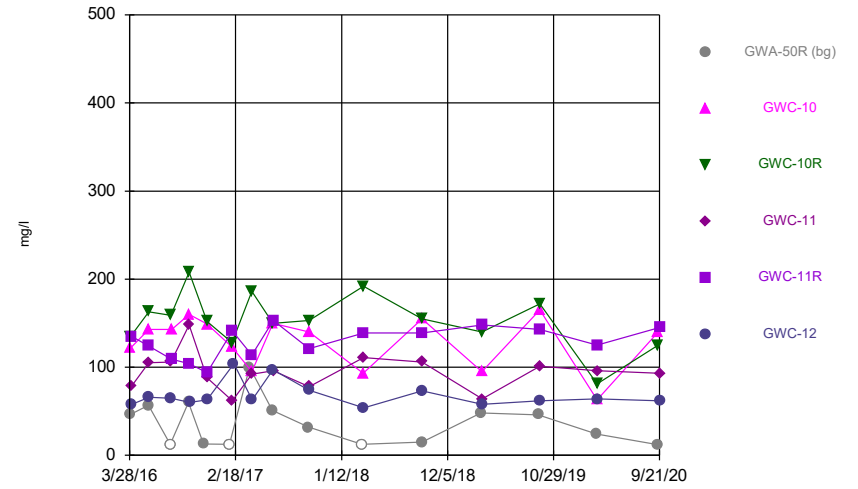
Constituent: Thallium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



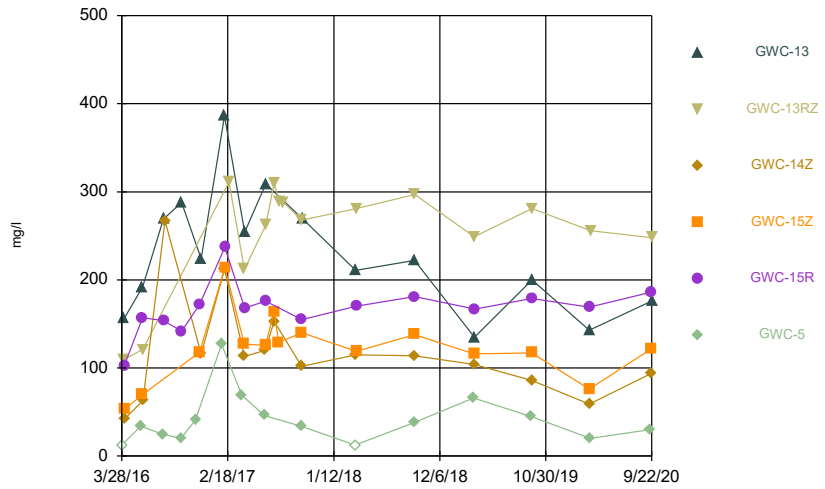
Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



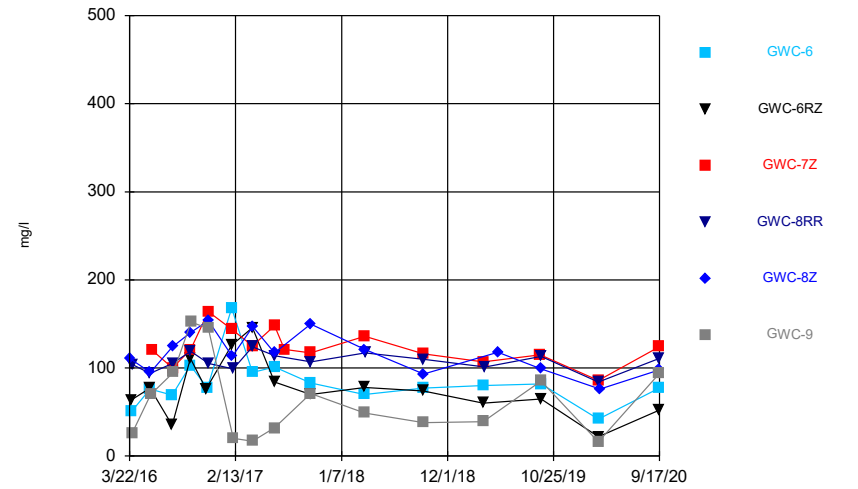
Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



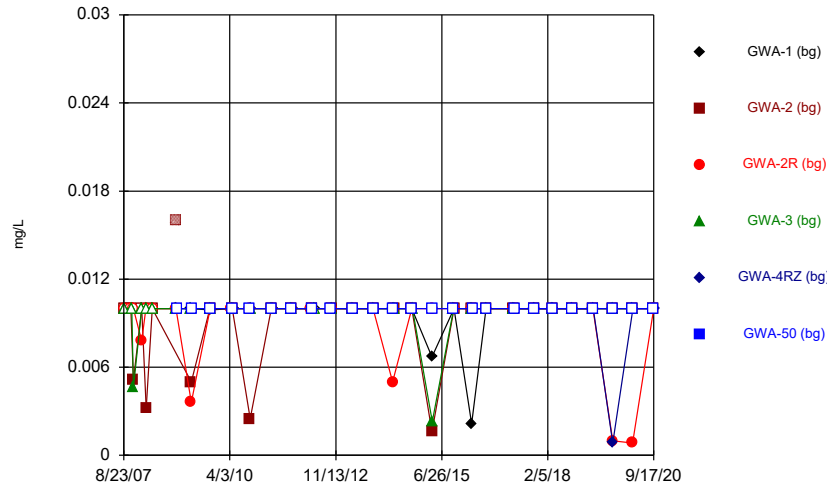
Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



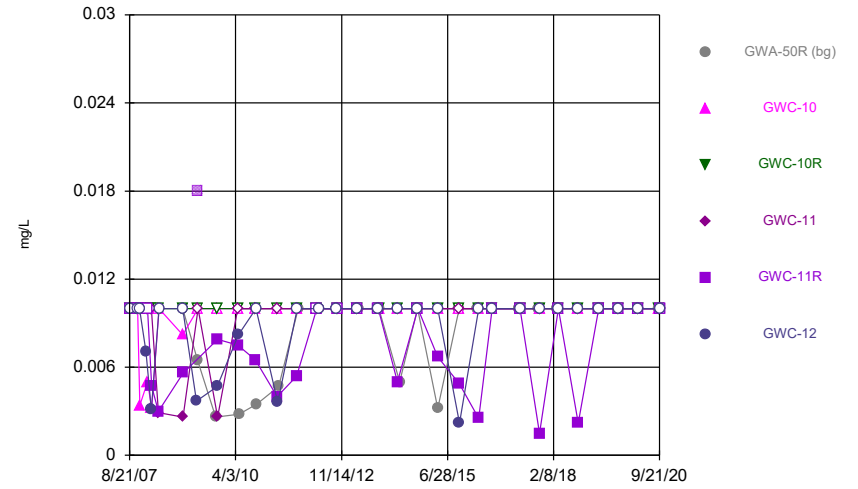
Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



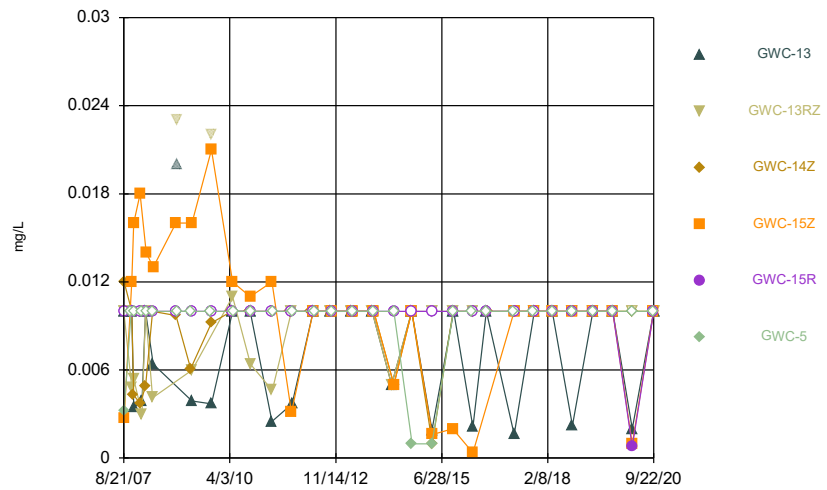
Constituent: Vanadium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



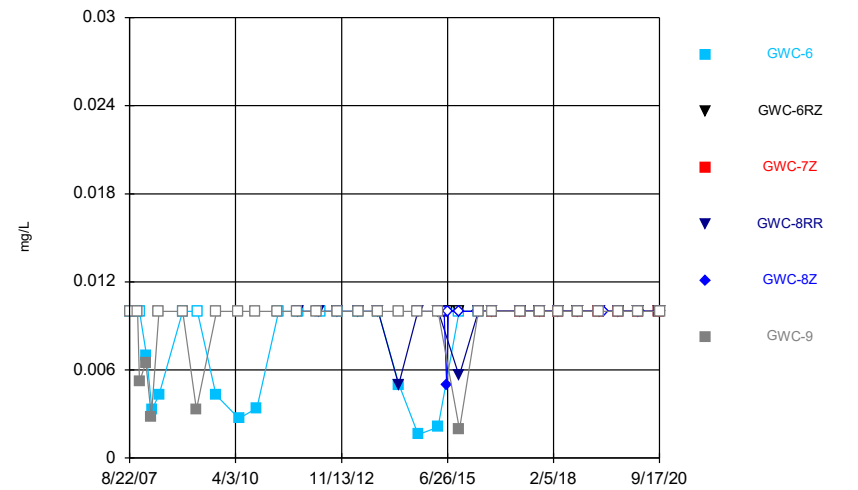
Constituent: Vanadium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



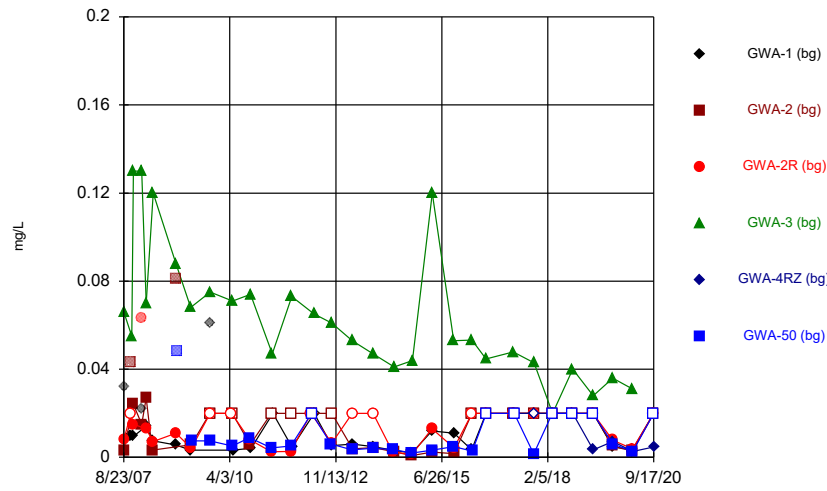
Constituent: Vanadium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



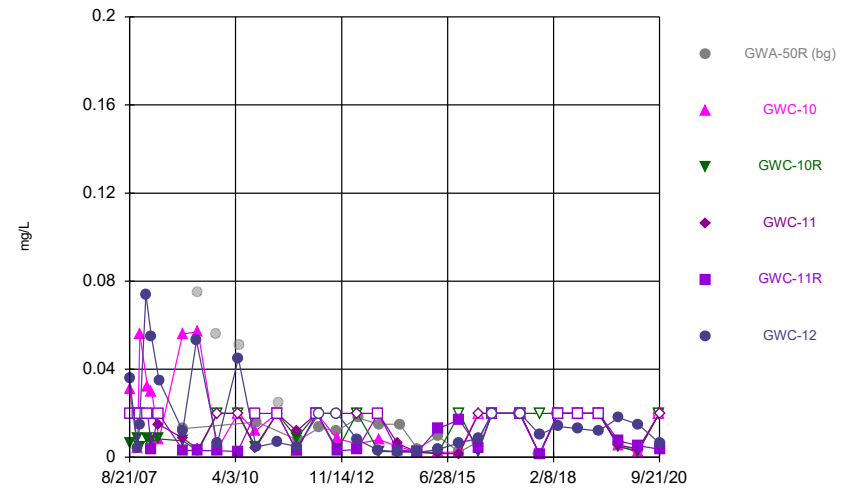
Constituent: Vanadium Analysis Run 11/3/2020 3:23 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



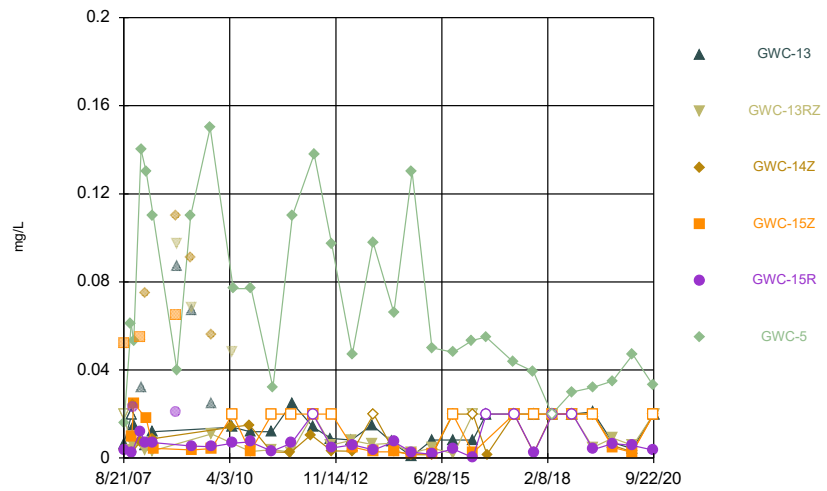
Constituent: Zinc Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



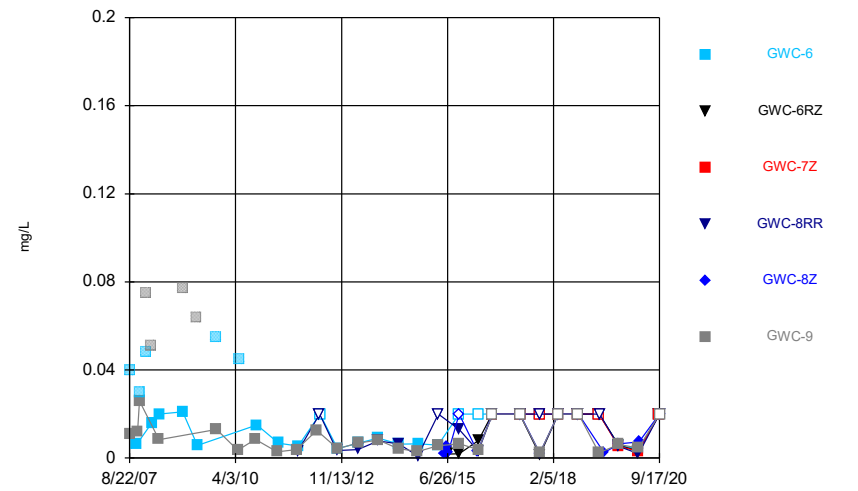
Constituent: Zinc Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Zinc Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series



Constituent: Zinc Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
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10/23/2007	<0.003					
10/24/2007		<0.003	<0.003			
11/2/2007				<0.003		
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1/30/2008	<0.003					
1/31/2008		<0.003	<0.003	<0.003		
3/10/2008	<0.003		<0.003			
3/11/2008		<0.003		<0.003		
5/6/2008		<0.003				
5/13/2008	<0.003		<0.003			
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12/12/2008						<0.003
4/15/2009	<0.003			<0.003		
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10/8/2009			<0.003	<0.003		
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4/12/2011			<0.003			
4/13/2011		<0.003				
4/14/2011						<0.003
4/21/2011				<0.003		
4/27/2011	<0.003					
10/4/2011			<0.003			
10/5/2011		<0.003				<0.003
10/13/2011				<0.003		
10/17/2011	0.0054					
4/3/2012			0.0053			
4/11/2012		<0.003				<0.003
5/1/2012				<0.003		
5/2/2012	<0.003					
10/2/2012						<0.003
10/8/2012	<0.003					
10/9/2012		<0.003	<0.003	<0.003		
4/9/2013						<0.003
4/11/2013			0.0075	<0.003		
4/12/2013	0.0058					
4/15/2013		<0.003				
10/15/2013		<0.003				<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	0.01 (o)		<0.003	<0.003		
4/10/2014			0.0081			<0.003
4/11/2014	0.005 (J)					
4/22/2014		<0.003				
4/23/2014				<0.003		
9/30/2014	0.0068	<0.003	0.0022 (J)			
10/1/2014						<0.003
10/4/2014				0.0031 (J)		
3/30/2015	0.0074	<0.003	0.011 (o)			<0.003
3/31/2015				0.0068		
10/11/2015						<0.003
10/12/2015				<0.003		
10/13/2015	0.017 (o)	<0.003	0.0045 (J)			
3/22/2016	0.00567					
3/23/2016		<0.003	0.00281 (J)	0.0035		
3/28/2016						0.00139 (J)
5/19/2016	0.00319		0.00264 (J)			
5/20/2016		<0.003				
5/23/2016				<0.003		0.000677 (J)
7/29/2016	0.0025 (J)	<0.003	0.0069	0.0029 (J)		
8/1/2016						<0.003
9/22/2016			0.0066	0.0041		
9/23/2016	0.0051	<0.003				
9/26/2016						<0.003
11/9/2016	0.0097 (J)	<0.003				
11/10/2016			<0.003	0.0048 (J)		<0.003
1/30/2017	0.0032					<0.003
1/31/2017		<0.003	0.0064	<0.003		
2/22/2017					0.0018 (J)	
3/30/2017	0.0028 (J)	<0.003		0.001 (J)		
4/3/2017			0.0049			
4/7/2017					0.0008 (J)	<0.003
6/9/2017	<0.003		<0.003			
6/12/2017		<0.003		<0.003		<0.003
6/14/2017					<0.003	
7/12/2017					0.0015 (J)	
7/20/2017					<0.003	
7/28/2017					<0.003	
8/9/2017					<0.003	
8/24/2017					0.0007 (J)	
10/2/2017	0.0014 (J)	<0.003	0.0045			<0.003
10/3/2017					<0.003	
10/4/2017				0.0009 (J)		
3/16/2018	0.0014 (J)		0.021 (o)			<0.003
3/19/2018		<0.003		0.0019 (J)		
3/21/2018					<0.003	
9/14/2018		<0.003	0.0054			
9/17/2018	0.00105 (JD)			0.0011 (J)		<0.003
9/18/2018					<0.003	
3/19/2019			0.0019 (J)			<0.003
3/20/2019	<0.003	<0.003		0.0019 (J)		
3/21/2019					<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	0.0037	<0.003 (D)			0.00052 (J)	
9/13/2019			0.0044	0.0013 (J)		<0.003
3/11/2020	0.00079 (J)	<0.003	0.002 (J)	0.0045		0.0005 (J)
3/12/2020					0.0017 (J)	
9/15/2020	0.0061	<0.003	0.0037			
9/16/2020						<0.003
9/17/2020					0.00087 (J)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2007		<0.003	<0.003	<0.003	<0.003	<0.003
11/18/2007				<0.003	<0.003	
11/19/2007						<0.003
11/20/2007		<0.003	<0.003			
1/16/2008						<0.003
1/30/2008		<0.003	<0.003	<0.003	<0.003	
3/5/2008				<0.003		<0.003
3/6/2008		<0.003	<0.003		<0.003	
5/7/2008				<0.003	<0.003	
5/8/2008			<0.003			
5/12/2008		<0.003				
5/13/2008						<0.003
12/12/2008	<0.003					
12/13/2008		<0.003				<0.003
12/14/2008			<0.003	<0.003	<0.003	
4/16/2009						<0.003
4/23/2009	<0.003					
4/29/2009		<0.003	<0.003	<0.003	<0.003	
10/6/2009	<0.003					
10/20/2009		<0.003				
10/21/2009			<0.003			<0.003
10/22/2009				<0.003	<0.003	
4/21/2010			<0.003	<0.003	<0.003	
4/26/2010		<0.003				
4/27/2010						<0.003
5/3/2010	<0.003					
9/28/2010			<0.003	<0.003		
9/29/2010		<0.003			<0.003	
10/5/2010						<0.003
10/11/2010	<0.003					
4/12/2011			<0.003	<0.003		
4/13/2011		<0.003			<0.003	
4/19/2011						<0.003
4/27/2011	<0.003					
10/4/2011			<0.003	<0.003	<0.003	
10/5/2011		<0.003				
10/12/2011						<0.003
10/19/2011	<0.003					
4/3/2012			<0.003	<0.003		
4/4/2012		<0.003			<0.003	
4/24/2012						<0.003
5/1/2012	<0.003					
10/2/2012	<0.003					<0.003
10/3/2012		<0.003		<0.003	<0.003	
10/8/2012			<0.003			
4/2/2013						<0.003
4/3/2013		<0.003	<0.003	<0.003	<0.003	
4/10/2013	<0.003					
10/9/2013				<0.003	<0.003	<0.003
10/15/2013		<0.003	<0.003			
10/16/2013	<0.003					

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.003
4/2/2014				<0.003	<0.003	
4/9/2014		<0.003	<0.003			
4/22/2014	<0.003					
10/1/2014	<0.003					
10/2/2014		<0.003	<0.003	<0.003	0.0044 (J)	<0.003
3/30/2015	<0.003					
4/1/2015				<0.003	0.0087 (o)	<0.003
4/2/2015		<0.003	<0.003			
10/10/2015		<0.003				
10/11/2015	<0.003			<0.003	0.007 (o)	
10/12/2015			<0.003			
10/14/2015						<0.003
3/28/2016	<0.003					
3/31/2016		<0.003	<0.003			
4/4/2016				<0.003	0.00252 (J)	<0.003
5/25/2016	<0.003					
5/26/2016		<0.003	0.000659 (J)	0.000722 (J)	0.00351	
5/27/2016						<0.003
8/1/2016	<0.003					
8/3/2016			<0.003	<0.003		<0.003
8/4/2016					<0.003	
8/5/2016		<0.003				
9/26/2016	<0.003					
9/28/2016		<0.003	0.0037 (o)	<0.003	0.0012 (J)	
9/30/2016						<0.003
11/11/2016	<0.003					
11/22/2016		<0.003	<0.003	<0.003	0.0042	<0.003
1/30/2017	<0.003					
2/7/2017		<0.003	<0.003			
2/8/2017				<0.003	<0.003	
2/13/2017						<0.003
4/3/2017	<0.003					
4/10/2017		<0.003	<0.003	<0.003	<0.003	
4/11/2017						<0.003
6/12/2017	<0.003					
6/14/2017		<0.003	<0.003			<0.003
6/15/2017				<0.003	<0.003	
10/2/2017	<0.003					
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003
3/16/2018	<0.003					
3/20/2018		<0.003				
3/21/2018			<0.003	<0.003		
3/22/2018					<0.003	<0.003
9/18/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/19/2019	<0.003					
3/22/2019		<0.003	<0.003			
3/23/2019				0.00094 (J)	<0.003	<0.003
9/12/2019	<0.003					
9/17/2019		<0.003	<0.003	0.00041 (J)	0.0013 (J)	<0.003 (D)
3/11/2020	<0.003					
3/12/2020		<0.003	<0.003	0.0013 (J)	0.001 (J)	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/15/2020	0.00048 (J)					
9/17/2020		<0.003	<0.003			
9/21/2020				0.00091 (J)	0.0053	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.003	<0.003				
8/23/2007					<0.003	<0.003
8/24/2007			0.005	<0.003		
10/25/2007						<0.003
11/1/2007	<0.003	<0.003				
11/2/2007			<0.003	<0.003	<0.003	
11/17/2007			<0.003		<0.003	
11/18/2007				<0.003		
11/19/2007	<0.003	<0.003				<0.003
1/15/2008			<0.003	<0.003	<0.003	
1/23/2008						<0.003
1/31/2008	<0.003	<0.003				
3/5/2008	<0.003	<0.003	<0.003			
3/6/2008					<0.003	
3/10/2008				<0.003		
3/11/2008						<0.003
5/7/2008		<0.003	<0.003		<0.003	
5/12/2008	<0.003					<0.003
5/13/2008				<0.003		
12/2/2008			<0.003	<0.003	<0.003	
12/11/2008						<0.003
12/12/2008		<0.003				
12/13/2008	<0.003					
4/15/2009						<0.003
4/16/2009			<0.003			
4/28/2009	<0.003			<0.003	<0.003	
4/29/2009		<0.003				
10/9/2009						<0.003
10/19/2009					<0.003	
10/20/2009			<0.003	<0.003		
10/21/2009	<0.003	<0.003				
4/20/2010			<0.003			
4/27/2010				<0.003	<0.003	
4/28/2010	<0.003	<0.003				
5/4/2010						<0.003
9/29/2010			<0.003			
10/4/2010					<0.003	
10/5/2010	<0.003			<0.003		
10/6/2010		<0.003				
10/12/2010						<0.003
4/12/2011			<0.003			
4/18/2011					<0.003	
4/19/2011	<0.003			<0.003		
4/20/2011		<0.003				
4/28/2011						<0.003
10/4/2011			<0.003			
10/12/2011		<0.003		<0.003	0.0052	
10/18/2011	<0.003					
10/19/2011						<0.003
4/4/2012			<0.003			
4/23/2012					<0.003	
4/25/2012	<0.003	<0.003		<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.003
10/2/2012	<0.003	<0.003				
10/9/2012						<0.003
10/10/2012			<0.003	<0.003	<0.003	
4/2/2013	<0.003	0.007 (o)				
4/11/2013						<0.003
4/15/2013			<0.003		<0.003	
4/16/2013				0.0053		
10/8/2013	<0.003	0.01 (o)				
10/16/2013						<0.003
10/22/2013			<0.003	<0.003	<0.003	
4/1/2014	<0.003	0.011 (o)				
4/21/2014			<0.003	0.005 (J)	0.005 (J)	
4/23/2014						<0.003
9/30/2014			<0.003	<0.003	0.0024 (J)	
10/1/2014	<0.003	0.018 (o)				
10/3/2014						<0.003
3/31/2015		0.011 (o)				<0.003
4/1/2015	<0.003					
4/3/2015			<0.003	<0.003	0.0072	
10/6/2015				0.0025 (J)		
10/7/2015			<0.003		0.0045 (J)	
10/12/2015						<0.003
10/14/2015		0.0083 (o)				
10/15/2015	<0.003					
3/28/2016						0.0284 (o)
4/4/2016	<0.003	0.00447				
4/5/2016			<0.003	0.053 (o)	0.00727	
5/25/2016						0.000686 (J)
5/31/2016	<0.003			0.00088 (J)	0.00649	
6/1/2016		0.00377	0.000895 (J)			
8/1/2016						<0.003
8/4/2016	<0.003				0.0038	
8/9/2016			0.0017 (JD)			
9/27/2016						<0.003
9/29/2016	<0.003				0.0106	
11/11/2016						<0.003
11/23/2016				<0.003	0.0098	
11/28/2016	<0.003		<0.003			
1/31/2017						<0.003
2/9/2017	<0.003		<0.003			
2/10/2017				<0.003	0.0014 (J)	
2/22/2017		0.0044				
4/3/2017						<0.003
4/11/2017		0.0019 (J)	<0.003	<0.003		
4/12/2017	<0.003				0.0026 (J)	
6/12/2017						<0.003
6/14/2017			0.0006 (J)			
6/15/2017				<0.003	<0.003	
6/16/2017	<0.003	<0.003				
7/12/2017		0.0018 (J)	<0.003	<0.003		
7/26/2017				<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		0.0011 (J)				
8/10/2017		0.0012 (J)				
10/3/2017						<0.003
10/5/2017			<0.003			
10/6/2017		0.0013 (J)		<0.003	0.0008 (J)	
10/9/2017	<0.003					
3/19/2018						<0.003
3/21/2018	<0.003					
3/22/2018			<0.003			
3/23/2018		0.0015 (J)		0.00089 (J)	0.001 (J)	
9/17/2018						<0.003
9/19/2018	<0.003		<0.003	<0.003	0.0011 (J)	
9/20/2018		0.0013 (J)				
3/20/2019						<0.003
3/22/2019		0.0014 (J)	<0.003	<0.003		
3/23/2019	<0.003					
3/25/2019					<0.003	
9/16/2019						<0.003
9/17/2019			<0.003	<0.003	0.0017 (J)	
9/18/2019	0.0012 (J)	0.00077 (X)				
3/13/2020	0.0023 (J)		0.00053 (J)	<0.003	0.00056 (J)	
3/16/2020						0.00031 (J)
3/17/2020		0.0009 (J)				
9/16/2020						<0.003
9/21/2020			<0.003	<0.003	0.0021 (J)	
9/22/2020	<0.003	0.00079 (J)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.003					
8/23/2007						<0.003
10/25/2007	<0.003					
11/1/2007						<0.003
11/19/2007						<0.003
11/20/2007	<0.003					
1/15/2008						<0.003
1/23/2008	<0.003					
3/6/2008						<0.003
3/11/2008	<0.003					
5/13/2008						<0.003
5/14/2008	<0.003					
12/11/2008	<0.003					
12/12/2008						<0.003
4/16/2009						<0.003
4/23/2009	<0.003					
10/9/2009	<0.003					
10/13/2009						<0.003
4/21/2010						<0.003
5/4/2010	<0.003					
9/29/2010						<0.003
10/11/2010	<0.003					
4/13/2011						<0.003
4/26/2011	<0.003					
10/5/2011						<0.003
10/18/2011	<0.003			<0.003		
4/4/2012						<0.003
4/30/2012				<0.003		
5/2/2012	<0.003					
10/3/2012				<0.003		
10/8/2012	<0.003					<0.003
4/8/2013				<0.003		<0.003
4/10/2013	<0.003					
10/8/2013	<0.003					
10/9/2013				<0.003		<0.003
4/9/2014						<0.003
4/10/2014				<0.003		
4/14/2014	<0.003					
9/30/2014						<0.003
10/2/2014				0.0025 (J)		
10/3/2014	<0.003					
4/1/2015	0.0035 (J)					
4/2/2015						<0.003
4/3/2015				<0.003		
5/26/2015		<0.003			<0.003	
6/18/2015		<0.003 (D)			<0.003 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				<0.003	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						<0.003 (D)
3/22/2016					<0.003	
3/29/2016	<0.003	0.0364 (o)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				0.0015 (J)		<0.003
4/6/2017	0.001 (J)	0.0006 (J)	<0.003	0.0007 (J)		<0.003
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	<0.003
6/14/2017				<0.003		
7/14/2017			0.0008 (J)			
10/3/2017	<0.003	<0.003	<0.003		<0.003	<0.003
10/4/2017				<0.003		
3/19/2018	<0.003					
3/20/2018		<0.003	<0.003		<0.003	0.001 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	0.0023 (J)				
9/18/2018			<0.003	<0.003	<0.003	<0.003 (D)
3/21/2019	<0.003	<0.003	<0.003			<0.003
3/27/2019				<0.003		
5/6/2019					<0.003	
9/13/2019			0.002 (J)			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	<0.003
3/12/2020	0.00052 (J)	0.0011 (J)	0.00066 (J)	0.00043 (J)		<0.003
3/16/2020					<0.003	
9/16/2020	<0.003	<0.003	0.0012 (J)			
9/17/2020				0.00082 (J)	<0.003	<0.003

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.005	<0.005	<0.005	<0.005		
10/23/2007	<0.005					
10/24/2007		<0.005	<0.005			
11/2/2007				<0.005		
11/18/2007	<0.005	<0.005	<0.005	<0.005		
1/30/2008	<0.005					
1/31/2008		<0.005	0.005	<0.005		
3/10/2008	<0.005		<0.005			
3/11/2008		<0.005		<0.005		
5/6/2008		<0.005				
5/13/2008	<0.005		<0.005			
5/14/2008				<0.005		
12/4/2008		0.012 (o)	<0.005			
12/5/2008	<0.005			<0.005		
12/12/2008						<0.005
4/15/2009	<0.005			<0.005		
4/21/2009		<0.005	<0.005			
4/23/2009						<0.005
10/6/2009						<0.005
10/7/2009	<0.005	<0.005				
10/8/2009			<0.005	<0.005		
4/21/2010			<0.005			
4/26/2010		<0.005				
4/27/2010						<0.005
4/28/2010				<0.005		
5/3/2010	<0.005					
9/28/2010			<0.005			
9/30/2010						<0.005
10/4/2010		<0.005				
10/6/2010				<0.005		
10/12/2010	<0.005					
4/12/2011			<0.005			
4/13/2011		<0.005				
4/14/2011						<0.005
4/21/2011				<0.005		
4/27/2011	<0.005					
10/4/2011			<0.005			
10/5/2011		<0.005				<0.005
10/13/2011				<0.005		
10/17/2011	<0.005					
4/3/2012			<0.005			
4/11/2012		<0.005				<0.005
5/1/2012				<0.005		
5/2/2012	<0.005					
10/2/2012						<0.005
10/8/2012	<0.005					
10/9/2012		<0.005	<0.005	<0.005		
4/9/2013						<0.005
4/11/2013			<0.005	<0.005		
4/12/2013	<0.005					
4/15/2013		<0.005				
10/15/2013		<0.005				<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.005		0.0056	<0.005		
4/10/2014			<0.005			<0.005
4/11/2014	<0.005					
4/22/2014		<0.005				
4/23/2014				<0.005		
9/30/2014	<0.005	<0.005	<0.005			
10/1/2014						<0.005
10/4/2014				<0.005		
3/30/2015	<0.005	<0.005	<0.005			<0.005
3/31/2015				<0.005		
10/11/2015						<0.005
10/12/2015				<0.005		
10/13/2015	<0.005	<0.005	<0.005			
3/22/2016	<0.005					
3/23/2016		<0.005	<0.005	<0.005		
3/28/2016						<0.005
5/19/2016	<0.005		<0.005			
5/20/2016		<0.005				
5/23/2016				<0.005		<0.005
7/29/2016	<0.005	<0.005	0.0008 (J)	<0.005		
8/1/2016						<0.005
9/22/2016			<0.005	<0.005		
9/23/2016	<0.005	<0.005				
9/26/2016						<0.005
11/9/2016	<0.005	<0.005				
11/10/2016			<0.005	<0.005		<0.005
1/30/2017	<0.005					<0.005
1/31/2017		<0.005	<0.005	<0.005		
2/22/2017					0.0019 (J)	
3/30/2017	<0.005	<0.005		<0.005		
4/3/2017			0.0007 (J)			
4/7/2017					0.0008 (J)	<0.005
6/9/2017	0.0005 (J)		0.0006 (J)			
6/12/2017		<0.005		<0.005		<0.005
6/14/2017					0.0006 (J)	
7/12/2017					<0.005	
7/20/2017					0.0009 (J)	
7/28/2017					<0.005	
8/9/2017					0.0011 (J)	
8/24/2017					0.0007 (J)	
10/2/2017	<0.005	<0.005	0.0005 (J)			<0.005
10/3/2017					0.0005 (J)	
10/4/2017				<0.005		
3/16/2018	0.00085 (J)		0.001 (J)			<0.005
3/19/2018		<0.005		<0.005		
3/21/2018					0.0012 (J)	
9/14/2018		<0.005	<0.005			
9/17/2018	<0.005 (D)			<0.005		<0.005
9/18/2018					<0.005	
3/19/2019			<0.005			<0.005
3/20/2019	<0.005	<0.005		<0.005		
3/21/2019					<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	0.0004 (J)	<0.005 (D)			0.0006 (J)	
9/13/2019			0.00051 (J)	<0.005		<0.005
3/11/2020	0.00088 (J)	<0.005	0.00044 (J)	<0.005		<0.005
3/12/2020					0.0033 (J)	
9/15/2020	<0.005	<0.005	0.00081 (J)			
9/16/2020						<0.005
9/17/2020					0.0011 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005	
11/19/2007						<0.005
11/20/2007		0.0079	<0.005			
1/16/2008						0.0086
1/30/2008		<0.005	<0.005	<0.005	<0.005	
3/5/2008				<0.005		<0.005
3/6/2008		<0.005	<0.005		<0.005	
5/7/2008				<0.005	<0.005	
5/8/2008			<0.005			
5/12/2008		<0.005				
5/13/2008						<0.005
12/12/2008	<0.005					
12/13/2008		0.015 (o)				0.012
12/14/2008			<0.005	<0.005	<0.005	
4/16/2009						0.008
4/23/2009	<0.005					
4/29/2009		<0.005	<0.005	<0.005	0.0057	
10/6/2009	<0.005					
10/20/2009		<0.005				
10/21/2009			<0.005			0.0081
10/22/2009				<0.005	<0.005	
4/21/2010			<0.005	<0.005	<0.005	
4/26/2010		<0.005				
5/3/2010	0.012 (o)					
9/28/2010			<0.005	<0.005		
9/29/2010		<0.005			<0.005	
10/5/2010						0.0067
10/11/2010	<0.005					
4/12/2011			<0.005	<0.005		
4/13/2011		<0.005			<0.005	
4/19/2011						<0.005
4/27/2011	<0.005					
10/4/2011			<0.005	<0.005	<0.005	
10/5/2011		<0.005				
10/12/2011						<0.005
10/19/2011	<0.005					
4/3/2012			<0.005	<0.005		
4/4/2012		<0.005			<0.005	
4/24/2012						0.0086
5/1/2012	<0.005					
10/2/2012	<0.005					<0.005
10/3/2012		<0.005		<0.005	<0.005	
10/8/2012			<0.005			
4/2/2013						<0.005
4/3/2013		<0.005	<0.005	<0.005	<0.005	
4/10/2013	<0.005					
10/9/2013				<0.005	0.006	0.0094
10/15/2013		<0.005	<0.005			
10/16/2013	<0.005					
4/1/2014						0.0097

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/2/2014				<0.005	0.005 (J)	
4/9/2014		<0.005	<0.005			
4/22/2014	<0.005					
10/1/2014	<0.005					
10/2/2014		<0.005	<0.005	<0.005	0.0036 (J)	0.0055
3/30/2015	<0.005					
4/1/2015				<0.005	0.0077	0.011
4/2/2015		<0.005	<0.005			
10/10/2015		<0.005				
10/11/2015	<0.005			<0.005	0.0071	
10/12/2015			<0.005			
10/14/2015						0.007
3/28/2016	<0.005					
3/31/2016		<0.005	<0.005			
4/4/2016				<0.005	0.00315 (J)	0.00645
5/25/2016	<0.005					
5/26/2016		<0.005	<0.005	<0.005	0.00313 (J)	
5/27/2016						0.00692
8/1/2016	<0.005					
8/3/2016			<0.005	<0.005		0.0068
8/4/2016					0.0032 (J)	
8/5/2016		<0.005				
9/26/2016	<0.005					
9/28/2016		<0.005	<0.005	<0.005	0.0029 (J)	
9/30/2016						0.0065
11/11/2016	<0.005					
11/22/2016		<0.005	<0.005	<0.005	0.0048 (J)	0.0066
1/30/2017	<0.005					
2/7/2017		<0.005	<0.005			
2/8/2017				<0.005	0.0022 (J)	
2/13/2017						0.0092
4/3/2017	<0.005					
4/10/2017		<0.005	<0.005	<0.005	0.002 (J)	
4/11/2017						0.0051
6/12/2017	<0.005					
6/14/2017		<0.005	<0.005			0.0056
6/15/2017				<0.005	0.0014 (J)	
10/2/2017	<0.005					
10/4/2017		0.0006 (J)	<0.005	<0.005	0.002 (J)	0.0068
3/16/2018	<0.005					
3/20/2018		0.00079 (J)				
3/21/2018			<0.005	0.00058 (J)		
3/22/2018					0.0022 (J)	0.0055
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0064
3/19/2019	<0.005					
3/22/2019		<0.005	<0.005			
3/23/2019				<0.005	0.0016 (J)	0.0055
9/12/2019	<0.005					
9/17/2019		<0.005	<0.005	<0.005	0.0016 (J)	0.00465 (JD)
3/11/2020	<0.005					
3/12/2020		<0.005	<0.005	<0.005	0.0012 (J)	0.0053
9/15/2020	<0.005					

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/17/2020		<0.005	<0.005			
9/21/2020				<0.005	0.0012 (J)	0.0065

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.005	<0.005				
8/23/2007					<0.005	<0.005
8/24/2007			<0.005	<0.005		
10/25/2007						<0.005
11/1/2007	<0.005	<0.005				
11/2/2007			<0.005	<0.005	<0.005	
11/17/2007			<0.005		<0.005	
11/18/2007				<0.005		
11/19/2007	<0.005	<0.005				<0.005
1/15/2008			<0.005	0.0077	<0.005	
1/23/2008						<0.005
1/31/2008	<0.005	<0.005				
3/5/2008	<0.005	<0.005	0.0079			
3/6/2008					<0.005	
3/10/2008				<0.005		
3/11/2008						<0.005
5/7/2008		<0.005	<0.005		<0.005	
5/12/2008	<0.005					<0.005
5/13/2008				<0.005		
12/2/2008			0.014 (o)	0.0061	<0.005	
12/11/2008						<0.005
12/12/2008		0.02 (o)				
12/13/2008	0.0096					
4/15/2009						<0.005
4/16/2009			0.0069			
4/28/2009	<0.005			<0.005	<0.005	
4/29/2009		0.0066				
10/9/2009						<0.005
10/19/2009					<0.005	
10/20/2009			0.0054	<0.005		
10/21/2009	<0.005	<0.005				
4/20/2010			<0.005			
4/27/2010				<0.005	<0.005	
4/28/2010	<0.005	0.016 (o)				
5/4/2010						<0.005
9/29/2010			<0.005			
10/4/2010					<0.005	
10/5/2010	<0.005			<0.005		
10/6/2010		<0.005				
10/12/2010						<0.005
4/12/2011			<0.005			
4/18/2011					<0.005	
4/19/2011	<0.005			<0.005		
4/20/2011		<0.005				
4/28/2011						<0.005
10/4/2011			<0.005			
10/12/2011		<0.005		<0.005	<0.005	
10/18/2011	<0.005					
10/19/2011						<0.005
4/4/2012			<0.005			
4/23/2012					<0.005	
4/25/2012	<0.005	<0.005		<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.005
10/2/2012	<0.005	<0.005				
10/9/2012						<0.005
10/10/2012			<0.005	<0.005	<0.005	
4/2/2013	<0.005	<0.005				
4/11/2013						<0.005
4/15/2013			<0.005		<0.005	
4/16/2013				<0.005		
10/8/2013	<0.005	<0.005				
10/16/2013						<0.005
10/22/2013			<0.005	<0.005	<0.005	
4/1/2014	<0.005	<0.005				
4/21/2014			<0.005	0.005 (J)	<0.005	
4/23/2014						<0.005
9/30/2014			<0.005	0.0025 (J)	<0.005	
10/1/2014	0.0022 (J)	0.0021 (J)				
10/3/2014						<0.005
3/31/2015		<0.005				<0.005
4/1/2015	<0.005					
4/3/2015			<0.005	<0.005	<0.005	
10/6/2015				<0.005		
10/7/2015			<0.005		<0.005	
10/12/2015						<0.005
10/14/2015		<0.005				
10/15/2015	<0.005					
3/28/2016						<0.005
4/4/2016	0.00124 (J)	0.00144 (JD)				
4/5/2016			<0.005	0.00105 (J)	<0.005	
5/25/2016						<0.005
5/31/2016	<0.005			0.00261 (J)	<0.005	
6/1/2016		0.0011 (JD)	<0.005			
8/1/2016						<0.005
8/4/2016	<0.005				<0.005	
8/9/2016			<0.005			
9/27/2016						<0.005
9/29/2016	<0.005				<0.005	
11/11/2016						<0.005
11/23/2016				<0.005	<0.005	
11/28/2016	<0.005		<0.005			
1/31/2017						<0.005
2/9/2017	<0.005		<0.005			
2/10/2017				<0.005	<0.005	
2/22/2017		<0.005				
4/3/2017						<0.005
4/11/2017		0.0011 (JD)	<0.005	0.0007 (J)		
4/12/2017	0.001 (J)				0.0005 (J)	
6/12/2017						0.0006 (J)
6/14/2017			<0.005			
6/15/2017				<0.005	<0.005	
6/16/2017	0.0007 (J)	0.0043 (JD)				
7/12/2017		0.0013 (JD)	<0.005	<0.005		
7/26/2017				<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		0.0013 (J)				
8/10/2017		0.0011 (J)				
10/3/2017						<0.005
10/5/2017			<0.005			
10/6/2017		0.0013 (JD)		0.0009 (J)	0.0008 (J)	
10/9/2017	0.0006 (J)					
3/19/2018						<0.005
3/21/2018	0.0013 (J)					
3/22/2018			0.00096 (J)			
3/23/2018		<0.005		<0.005	<0.005	
9/17/2018						<0.005
9/19/2018	<0.005		<0.005	<0.005	<0.005	
9/20/2018		<0.005				
3/20/2019						<0.005
3/22/2019		0.00097 (J)	<0.005	<0.005		
3/23/2019	0.00067 (J)					
3/25/2019					<0.005	
9/16/2019						<0.005
9/17/2019			<0.005	<0.005	<0.005	
9/18/2019	0.00052 (J)	0.00045 (X)				
3/13/2020	0.00096 (J)		<0.005	0.00052 (J)	0.00047 (J)	
3/16/2020						<0.005
3/17/2020		0.00067 (J)				
9/16/2020						<0.005
9/21/2020			<0.005	<0.005	<0.005	
9/22/2020	0.00098 (J)	0.00086 (J)				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						0.0086
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						0.0065
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	0.014 (o)					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.0029 (J)	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.0241 (o)
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0031 (J)	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			0.0028 (J)	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0031 (J)		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0031 (J)			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	0.0006 (J)	<0.005	0.003 (J)	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	0.0024 (J)		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			0.0029 (J)			
10/3/2017	<0.005	<0.005	0.0018 (J)		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	0.00089 (J)					
3/20/2018		<0.005	0.0024 (J)		0.0006 (J)	<0.005
3/21/2018				0.00077 (J)		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	0.00077 (J)			<0.005
3/27/2019				<0.005		
5/6/2019					0.00063 (J)	
9/13/2019			0.0017 (J)			
9/16/2019	0.00071 (J)	0.00038 (J)		0.0004 (JD)	0.00043 (J)	0.00044 (J)
3/12/2020	0.00055 (J)	<0.005	0.00044 (J)	0.00039 (J)		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	0.02	0.0073	0.0098	0.015 (o)		
10/23/2007	0.039					
10/24/2007		0.027	0.015			
11/2/2007				0.017 (o)		
11/18/2007	0.04 (J)	0.13 (o)	0.011	0.019 (o)		
1/30/2008	0.04					
1/31/2008		0.0077	0.13 (O)	0.011 (o)		
3/10/2008	0.033		0.0078			
3/11/2008		0.015		0.016 (o)		
5/6/2008		0.017				
5/13/2008	0.03		0.0077			
5/14/2008				0.013 (o)		
12/4/2008		0.14 (o)	0.0089			
12/5/2008	0.0087			0.021 (o)		
12/12/2008						0.098 (o)
4/15/2009	0.023			0.012 (o)		
4/21/2009		0.018	0.013			
4/23/2009						0.013
10/6/2009						0.011
10/7/2009	0.15 (o)	0.014				
10/8/2009			0.008	0.011 (o)		
4/21/2010			0.01			
4/26/2010		0.017				
4/27/2010						0.016
4/28/2010				0.0081		
5/3/2010	0.025					
9/28/2010			0.0036			
9/30/2010						0.013
10/4/2010		0.011				
10/6/2010				0.0083		
10/12/2010	0.029					
4/12/2011			0.0084			
4/13/2011		0.026				
4/14/2011						0.011
4/21/2011				0.0053		
4/27/2011	0.026					
10/4/2011			0.0066			
10/5/2011		0.021				0.015
10/13/2011				0.0071		
10/17/2011	0.021					
4/3/2012			0.0625 (O)			
4/11/2012		0.0311				0.0102
5/1/2012				0.0067		
5/2/2012	0.0212					
10/2/2012						0.0091
10/8/2012	0.019					
10/9/2012		0.018	0.01	0.0055		
4/9/2013						0.01
4/11/2013			0.021	0.0061		
4/12/2013	0.022					
4/15/2013		0.056				
10/15/2013		0.018				0.0098

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	0.02		0.033	0.0062		
4/10/2014			0.021			0.011
4/11/2014	0.018					
4/22/2014		0.035				
4/23/2014				0.0047		
9/30/2014	0.013	0.0041	0.0062			
10/1/2014						0.0033
10/4/2014				0.0055		
3/30/2015	0.021	0.036	0.011			0.0043
3/31/2015				0.0076		
10/11/2015						0.0038
10/12/2015				0.0049		
10/13/2015	0.012	0.0048	0.0065			
3/22/2016	0.0182					
3/23/2016		0.0271	0.0206	0.00742 (J)		
3/28/2016						0.0133
5/19/2016	0.0193		0.0109			
5/20/2016		0.0206				
5/23/2016				0.00532 (J)		0.0109
7/29/2016	0.0174	0.0275	0.007 (J)	0.0053 (J)		
8/1/2016						0.0058 (J)
9/22/2016			0.0071 (J)	0.0058 (J)		
9/23/2016	0.0168	0.0384				
9/26/2016						0.0092 (J)
11/9/2016	0.0171	0.0266				
11/10/2016			0.0052 (J)	0.0051 (J)		0.0083 (J)
1/30/2017	0.019					0.0117
1/31/2017		0.0094 (J)	0.0076 (J)	0.0054 (J)		
2/22/2017					0.0273	
3/30/2017	0.0184	0.0262		0.0049 (J)		
4/3/2017			0.007 (J)			
4/7/2017					0.024	0.0109
6/9/2017	0.0174		0.0074 (J)			
6/12/2017		0.0288		<0.01		<0.01
6/14/2017					0.027	
7/12/2017					0.027	
7/20/2017					0.0304	
7/28/2017					0.0269	
8/9/2017					0.0254	
8/24/2017					0.0285	
10/2/2017	0.0167	0.0048 (J)	0.0085 (J)			0.0122
10/3/2017					0.0294	
10/4/2017				0.0047 (J)		
3/16/2018	0.016		0.015			0.0084 (J)
3/19/2018		0.037		0.0047 (J)		
3/21/2018					0.03	
9/14/2018		0.0059 (J)	0.0095 (J)			
9/17/2018	0.015 (D)			0.0041 (J)		0.01
9/18/2018					0.032	
3/19/2019			0.024			0.012
3/20/2019	0.019	0.0072 (J)		0.0042 (J)		
3/21/2019					0.04	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	0.018	0.0058 (JD)			0.034	
9/13/2019			0.012	0.0042 (J)		0.0088 (J)
3/11/2020	0.016	0.035	0.027	0.0041 (J)		0.0077 (J)
3/12/2020					0.053	
9/15/2020	0.019	0.019	0.013			
9/16/2020						0.0081 (J)
9/17/2020					0.036	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		0.021	0.027	0.034	0.01	0.023
11/1/2007		0.017	0.024	0.036	0.012	0.034
11/18/2007				0.036	0.011	
11/19/2007						0.043
11/20/2007		0.1 (o)	0.022			
1/16/2008						0.13 (o)
1/30/2008		0.035	0.033 (J)	0.031 (J)	0.013	
3/5/2008				0.018		0.07
3/6/2008		0.042	0.019		0.017	
5/7/2008				0.015	0.0066	
5/8/2008			0.017			
5/12/2008		0.0087				
5/13/2008						0.039
12/12/2008	0.016					
12/13/2008		0.12 (o)				0.13 (o)
12/14/2008			0.02	0.12 (o)	0.013	
4/16/2009						0.13 (o)
4/23/2009	0.14 (O)					
4/29/2009		0.11 (o)	0.017	0.0079	0.0098	
10/6/2009	0.12 (O)					
10/20/2009		0.016				
10/21/2009			0.021			0.033
10/22/2009				0.007	0.013	
4/21/2010			0.019	0.0074	0.0069	
4/26/2010		0.016				
4/27/2010						0.11 (o)
5/3/2010	0.12 (O)					
9/28/2010			0.018	0.0068		
9/29/2010		0.016			0.0049	
10/5/2010						0.027
10/11/2010	0.019					
4/12/2011			0.017	0.0089		
4/13/2011		0.012			0.0074	
4/19/2011						0.025
4/27/2011	0.02					
10/4/2011			0.022	0.012	0.0062	
10/5/2011		0.014				
10/12/2011						0.025
10/19/2011	0.014					
4/3/2012			0.0212	0.0169		
4/4/2012		0.017			0.0091	
4/24/2012						0.027
5/1/2012	0.0199					
10/2/2012	0.015					0.013
10/3/2012		0.015		0.03	0.0089	
10/8/2012			0.019			
4/2/2013						0.031
4/3/2013		0.018	0.021	0.008	0.012	
4/10/2013	0.016					
10/9/2013				0.0093	0.0079	0.025
10/15/2013		0.018	0.022			
10/16/2013	0.017					

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.023
4/2/2014				0.031	0.0086	
4/9/2014		0.019	0.02			
4/22/2014	0.017					
10/1/2014	0.013					
10/2/2014		0.016	0.023	0.035	0.01	0.025
3/30/2015	0.014					
4/1/2015				0.013	0.019	0.025
4/2/2015		0.017	0.022			
10/10/2015		0.014				
10/11/2015	0.0093			0.0079	0.014	
10/12/2015			0.028			
10/14/2015						0.027
3/28/2016	0.0155					
3/31/2016		0.0179	0.0273			
4/4/2016				0.0119	0.0176	0.0285
5/25/2016	0.0143					
5/26/2016		0.0186	0.0305	0.0127	0.0195	
5/27/2016						0.0257
8/1/2016	0.0129					
8/3/2016			0.0284	0.0121		0.0237
8/4/2016					0.0151	
8/5/2016		0.0138				
9/26/2016	0.0177					
9/28/2016		0.0153	0.036	0.0112	0.0132	
9/30/2016						0.0279
11/11/2016	0.0117					
11/22/2016		0.0184 (J)	0.0341 (J)	0.0155 (J)	0.0186 (J)	0.0286 (J)
1/30/2017	0.0113					
2/7/2017		0.0215	0.0309			
2/8/2017				0.0115	0.015	
2/13/2017						0.0313
4/3/2017	0.0166					
4/10/2017		0.0247	0.0235	<0.01	0.0172	
4/11/2017						0.0254
6/12/2017	0.017					
6/14/2017		0.0227	0.0258			0.0241
6/15/2017				0.0112	0.0167	
10/2/2017	0.0157					
10/4/2017		0.0172	0.0234	0.0093 (J)	0.0156	0.0256
3/16/2018	0.012					
3/20/2018		0.021				
3/21/2018			0.022	0.012		
3/22/2018					0.017	0.024
9/18/2018	0.0099 (J)	0.02	0.03	0.011	0.017	0.025
3/19/2019	0.013					
3/22/2019		0.024	0.022			
3/23/2019				0.0081 (J)	0.019	0.024
9/12/2019	0.011					
9/17/2019		0.016	0.03	0.011	0.018	0.0245 (D)
3/11/2020	0.0095 (J)					
3/12/2020		0.026	0.028	0.0086 (J)	0.021	0.023

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/15/2020	0.0089 (J)					
9/17/2020		0.013	0.022			
9/21/2020				0.0093 (J)	0.016	0.023

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	0.065	0.0095				
8/23/2007					0.015	0.017
8/24/2007			0.0089	0.017		
10/25/2007						0.023
11/1/2007	0.019	0.02				
11/2/2007			0.0091	0.011	0.024	
11/17/2007			0.021		0.027	
11/18/2007				0.012 (J)		
11/19/2007	0.015	0.023				0.024
1/15/2008			0.013	0.088 (o)	0.022	
1/23/2008						0.028
1/31/2008	0.022	0.028				
3/5/2008	0.012	0.022	0.11 (o)			
3/6/2008					0.021	
3/10/2008				0.0077		
3/11/2008						0.022
5/7/2008		0.019	0.01		0.023	
5/12/2008	0.014					0.021
5/13/2008				0.0055		
12/2/2008			0.12 (o)	0.0097	0.024	
12/11/2008						0.022
12/12/2008		0.19 (O)				
12/13/2008	0.11 (o)					
4/15/2009						0.13 (o)
4/16/2009			0.13 (o)			
4/28/2009	0.12 (o)			0.0042	0.031	
4/29/2009		0.14 (O)				
10/9/2009						0.026
10/19/2009					0.027	
10/20/2009			0.05	0.0056		
10/21/2009	0.023	0.034				
4/20/2010			0.019			
4/27/2010				0.0039	0.051 (o)	
4/28/2010	0.019	0.11 (O)				
5/4/2010						0.018
9/29/2010			0.017			
10/4/2010					0.028	
10/5/2010	0.018			0.0047		
10/6/2010		0.018				
10/12/2010						0.019
4/12/2011			0.014			
4/18/2011					0.026	
4/19/2011	0.019			0.0071		
4/20/2011		0.015				
4/28/2011						0.015
10/4/2011			0.017			
10/12/2011		0.019		0.0098	0.026	
10/18/2011	0.025					
10/19/2011						0.016
4/4/2012			0.0182			
4/23/2012					0.0224	
4/25/2012	0.024	0.0158		0.0088		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						0.0191
10/2/2012	0.019	0.036				
10/9/2012						0.019
10/10/2012			0.048	0.0093	0.024	
4/2/2013	0.021	0.039				
4/11/2013						0.013
4/15/2013			0.03		0.029	
4/16/2013				0.0098		
10/8/2013	0.027	0.016				
10/16/2013						0.017
10/22/2013			0.033	0.0097	0.022	
4/1/2014	0.023	0.017				
4/21/2014			0.033	0.008	0.025	
4/23/2014						0.015
9/30/2014			0.027	0.0074	0.022	
10/1/2014	0.014	0.018				
10/3/2014						0.02
3/31/2015		0.021				0.014
4/1/2015	0.027					
4/3/2015			0.13 (o)	0.0076	0.022	
10/6/2015				0.0088		
10/7/2015			0.047		0.023	
10/12/2015						0.017
10/14/2015		0.013				
10/15/2015	0.033					
3/28/2016						0.0173
4/4/2016	0.027	0.0222				
4/5/2016			0.0279	0.00153 (J)	0.0308	
5/25/2016						0.0175
5/31/2016	0.0283			0.00589 (J)	0.0255	
6/1/2016		0.0283	0.0249			
8/1/2016						0.0145
8/4/2016	0.0358				0.0227	
8/9/2016			0.0268			
9/27/2016						0.0139
9/29/2016	0.0437				0.0258	
11/11/2016						0.0135
11/23/2016				<0.01	0.0263 (J)	
11/28/2016	0.0419 (J)		<0.01			
1/31/2017						0.0153
2/9/2017	0.0472		0.0119			
2/10/2017				0.0233	0.025	
2/22/2017		0.0561				
4/3/2017						0.0135
4/11/2017		0.0748	0.0112 (D)	0.0162		
4/12/2017	0.0383				0.026	
6/12/2017						0.0154
6/14/2017			<0.01			
6/15/2017				0.0148	0.0244	
6/16/2017	0.0457	0.0661				
7/12/2017		0.0932	0.0105	0.0166		
7/26/2017				0.0146		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		0.0808				
8/10/2017		0.0743				
10/3/2017						0.0138
10/5/2017			0.0099 (J)			
10/6/2017		0.0699		0.015	0.0254	
10/9/2017	0.0406					
12/28/2017		0.082 (Y)				
3/19/2018						0.013
3/21/2018	0.032					
3/22/2018			0.011			
3/23/2018		0.086		0.013	0.021	
9/17/2018						0.014
9/19/2018	0.034		0.013	0.015	0.02	
9/20/2018		0.093				
3/20/2019						0.018
3/22/2019		0.086	0.014	0.014		
3/23/2019	0.023					
3/25/2019					0.021	
9/16/2019						0.022
9/17/2019			0.015	0.014	0.023	
9/18/2019	0.033	0.097				
3/13/2020	0.023		0.017	0.014	0.02	
3/16/2020						0.024
3/17/2020		0.097				
9/16/2020						0.013
9/21/2020			0.013	0.013	0.021	
9/22/2020	0.027	0.095				

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.023					
8/23/2007						0.043
10/25/2007	0.018					
11/1/2007						0.032
11/19/2007						0.049 (J)
11/20/2007	0.1 (o)					
1/15/2008						0.12 (o)
1/23/2008	0.031					
3/6/2008						0.075 (o)
3/11/2008	0.016					
5/13/2008						0.055
5/14/2008	0.024					
12/11/2008	0.022					
12/12/2008						0.16 (o)
4/16/2009						0.15 (o)
4/23/2009	0.012					
10/9/2009	0.11 (o)					
10/13/2009						0.05
4/21/2010						0.039
5/4/2010	0.096 (o)					
9/29/2010						0.033
10/11/2010	0.018					
4/13/2011						0.033
4/26/2011	0.01					
10/5/2011						0.035
10/18/2011	0.012			0.015		
4/4/2012						0.0422
4/30/2012				0.0192		
5/2/2012	0.0119					
10/3/2012				0.017		
10/8/2012	0.01					0.029
4/8/2013				0.018		0.042
4/10/2013	0.013					
10/8/2013	0.014					
10/9/2013				0.021		0.04
4/9/2014						0.038
4/10/2014				0.019		
4/14/2014	0.01					
9/30/2014						0.038
10/2/2014				0.014		
10/3/2014	0.014					
4/1/2015	0.013					
4/2/2015						0.039
4/3/2015				0.014		
5/26/2015		0.016			0.06	
6/18/2015		0.015 (D)			0.047 (D)	
7/2/2015		0.014			0.04	
10/8/2015				0.024	0.032	
10/9/2015	0.008	0.012				
10/10/2015						0.038 (D)
3/22/2016					0.0263	
3/29/2016	0.0239 (J)	0.000768 (J)				

Time Series

Constituent: Barium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.0163		0.0412
5/24/2016	0.00902 (J)	0.00847 (J)		0.0137		
5/25/2016					0.0178	
5/26/2016						0.0357
5/31/2016			0.0178			
8/1/2016	0.0091 (J)	0.0086 (J)				
8/2/2016			0.0394	0.0152	0.0265	
8/5/2016						0.03
9/26/2016	0.0124	0.0086 (J)			0.0267	
9/27/2016			0.032	0.0147		
9/28/2016						0.0308
11/14/2016		0.0083 (J)				
11/18/2016	0.0117					
11/21/2016			0.0316 (J)		0.0309 (J)	0.0356 (J)
11/22/2016				0.0174 (J)		
2/1/2017	0.0086 (J)	0.0096 (J)	0.0264			
2/3/2017					0.0289	
2/6/2017				0.0144		0.0391
4/6/2017	0.0083 (J)	0.0087 (J)	0.0245	0.0149		0.0402
4/7/2017					0.029	
6/13/2017	<0.01	<0.01	0.0247		0.027	0.0394
6/14/2017				0.0139		
7/14/2017			0.0245			
10/3/2017	0.0084 (J)	0.0098 (J)	0.0218		0.0292	0.0381
10/4/2017				0.015		
3/19/2018	0.0079 (J)					
3/20/2018		0.0088 (J)	0.024		0.029	0.039
3/21/2018				0.015		
9/17/2018	0.0065 (J)	0.0082 (J)				
9/18/2018			0.027	0.014	0.025	0.037
3/21/2019	0.0074 (J)	0.0075 (J)	0.03			0.042
3/27/2019				0.014		
5/6/2019					0.017	
9/13/2019			0.031			
9/16/2019	0.0075 (J)	0.0072 (J)		0.015 (D)	0.026	0.035
3/12/2020	0.0075 (J)	0.0072 (J)	0.022	0.014		0.044
3/16/2020					0.027	
9/16/2020	0.0074 (J)	0.0066 (J)	0.02			
9/17/2020				0.014	0.025	0.031

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/30/2014	<0.003	<0.003	<0.003			
10/1/2014						<0.003
10/4/2014				<0.003		
3/30/2015	0.00029 (J)	<0.003	<0.003			<0.003
3/31/2015				<0.003		
10/11/2015						<0.003
10/12/2015				<0.003		
10/13/2015	<0.003	<0.003	<0.003			
3/22/2016	<0.003					
3/23/2016		<0.003	<0.003	<0.003		
3/28/2016						<0.003
5/19/2016	<0.003		<0.003			
5/20/2016		<0.003				
5/23/2016				<0.003		<0.003
7/29/2016	<0.003	<0.003	<0.003	<0.003		
8/1/2016						<0.003
9/22/2016			<0.003	<0.003		
9/23/2016	<0.003	<0.003				
9/26/2016						<0.003
11/9/2016	<0.003	<0.003				
11/10/2016			<0.003	<0.003		<0.003
1/30/2017	<0.003					<0.003
1/31/2017		<0.003	<0.003	<0.003		
2/22/2017					<0.003	
3/30/2017	<0.003	<0.003		<0.003		
4/3/2017			<0.003			
4/7/2017					<0.003	<0.003
6/9/2017	<0.003		<0.003			
6/12/2017		<0.003		<0.003		<0.003
6/14/2017					<0.003	
7/12/2017					<0.003	
7/20/2017					<0.003	
7/28/2017					<0.003	
8/9/2017					<0.003	
8/24/2017					<0.003	
10/2/2017	<0.003	<0.003	<0.003			<0.003
10/3/2017					<0.003	
10/4/2017				<0.003		
3/16/2018	<0.003		<0.003			<0.003
3/19/2018		<0.003		<0.003		
3/21/2018					<0.003	
9/14/2018		<0.003	<0.003			
9/17/2018	<0.003 (D)			<0.003		<0.003
9/18/2018					<0.003	
3/19/2019			<0.003			<0.003
3/20/2019	<0.003	<0.003		<0.003		
3/21/2019					<0.003	
9/12/2019	<0.003	<0.003 (D)			<0.003	
9/13/2019			<0.003	<0.003		<0.003
3/11/2020	<0.003	<0.003	<0.003	<0.003		<0.003
3/12/2020					<0.003	
9/15/2020	<0.003	<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/16/2020						<0.003
9/17/2020					<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
10/1/2014	<0.003					
10/2/2014		<0.003	<0.003	<0.003	<0.003	<0.003
3/30/2015	0.0002 (J)					
4/1/2015				<0.003	<0.003	<0.003
4/2/2015		0.00015 (J)	<0.003			
10/10/2015		8.5E-05 (J)				
10/11/2015	<0.003			<0.003	<0.003	
10/12/2015			<0.003			
10/14/2015						<0.003
3/28/2016	<0.003					
3/31/2016		<0.003	<0.003			
4/4/2016				<0.003	<0.003	<0.003
5/25/2016	<0.003					
5/26/2016		<0.003	<0.003	<0.003	<0.003	
5/27/2016						<0.003
8/1/2016	<0.003					
8/3/2016			<0.003	<0.003		<0.003
8/4/2016					<0.003	
8/5/2016		<0.003				
9/26/2016	<0.003					
9/28/2016		<0.003	<0.003	<0.003	<0.003	
9/30/2016						<0.003
11/11/2016	<0.003					
11/22/2016		<0.003	<0.003	<0.003	<0.003	<0.003
1/30/2017	<0.003					
2/7/2017		<0.003	<0.003			
2/8/2017				<0.003	<0.003	
2/13/2017						<0.003
4/3/2017	<0.003					
4/10/2017		<0.003	<0.003	<0.003	<0.003	
4/11/2017						<0.003
6/12/2017	<0.003					
6/14/2017		<0.003	<0.003			<0.003
6/15/2017				<0.003	<0.003	
10/2/2017	<0.003					
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003
3/16/2018	<0.003					
3/20/2018		0.00019 (J)				
3/21/2018			<0.003	<0.003		
3/22/2018					<0.003	<0.003
9/18/2018	<0.003	5.4E-05 (J)	<0.003	<0.003	<0.003	<0.003
3/19/2019	<0.003					
3/22/2019		0.00018 (J)	<0.003			
3/23/2019				5.7E-05 (J)	<0.003	<0.003
9/12/2019	<0.003					
9/17/2019		<0.003	<0.003	<0.003	<0.003	<0.003 (D)
3/11/2020	<0.003					
3/12/2020		0.00017 (J)	<0.003	<0.003	<0.003	<0.003
9/15/2020	8.5E-05 (J)					
9/17/2020		<0.003	<0.003			
9/21/2020				<0.003	<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
9/30/2014			<0.003	<0.003	<0.003	
10/1/2014	<0.003	<0.003				
10/3/2014						0.00073 (J)
3/31/2015		<0.003				0.00057 (J)
4/1/2015	0.00022 (J)					
4/3/2015			<0.003	<0.003	<0.003	
10/6/2015				<0.003		
10/7/2015			<0.003		<0.003	
10/12/2015						0.00054 (J)
10/14/2015		<0.003				
10/15/2015	0.00018 (J)					
3/28/2016						<0.003
4/4/2016	<0.003	<0.003 (D)				
4/5/2016			<0.003	<0.003	<0.003	
5/25/2016						<0.003
5/31/2016	<0.003			<0.003	<0.003	
6/1/2016		<0.003 (D)	<0.003			
8/1/2016						0.0006 (J)
8/4/2016	<0.003				<0.003	
8/9/2016			<0.003			
9/27/2016						0.0007 (J)
9/29/2016	9E-05 (J)				<0.003	
11/11/2016						0.0007 (J)
11/23/2016				<0.003	<0.003	
11/28/2016	<0.003		<0.003			
1/31/2017						0.0007 (J)
2/9/2017	<0.003		0.0001 (J)			
2/10/2017				<0.003	<0.003	
2/22/2017		<0.003				
4/3/2017						0.0007 (J)
4/11/2017		<0.003	<0.003	<0.003		
4/12/2017	0.0001 (J)				<0.003	
6/12/2017						0.0004 (J)
6/14/2017			<0.003			
6/15/2017				<0.003	<0.003	
6/16/2017	9E-05 (J)	<0.003				
7/12/2017		<0.003	<0.003	<0.003		
7/26/2017				<0.003		
7/28/2017		<0.003				
8/10/2017		<0.003				
10/3/2017						0.0006 (J)
10/5/2017			<0.003			
10/6/2017		<0.003		<0.003	<0.003	
10/9/2017	<0.003					
3/19/2018						0.0005 (J)
3/21/2018	<0.003					
3/22/2018			0.00103 (D)			
3/23/2018		<0.003		<0.003	<0.003	
9/17/2018						0.00053 (J)
9/19/2018	7E-05 (J)		0.00014 (J)	<0.003	<0.003	
9/20/2018		<0.003				
3/20/2019						0.00046 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/22/2019		<0.003	9.4E-05 (J)	<0.003		
3/23/2019	6.1E-05 (J)					
3/25/2019					<0.003	
9/16/2019						0.00051 (J)
9/17/2019			0.00013 (X)	<0.003	<0.003	
9/18/2019	7.4E-05 (J)	<0.003				
3/13/2020	8E-05 (J)		0.00016 (J)	<0.003	<0.003	
3/16/2020						0.00048 (J)
3/17/2020		<0.003				
9/16/2020						0.00069 (J)
9/21/2020			9.5E-05 (J)	<0.003	<0.003	
9/22/2020	<0.003	<0.003				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/30/2014						0.00013 (J)
10/2/2014				<0.003		
10/3/2014	0.00024 (J)					
4/1/2015	0.00021 (J)					
4/2/2015						0.00028 (J)
4/3/2015				<0.003		
5/26/2015		8.8E-05 (J)			<0.003	
6/18/2015		<0.003 (D)			0.0013 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				0.00025 (J)	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						0.000245 (JD)
3/22/2016					<0.003	
3/29/2016	<0.003	<0.003				
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				<0.003		0.0002 (J)
4/6/2017	<0.003	<0.003	<0.003	<0.003		0.0002 (J)
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	0.0002 (J)
6/14/2017				<0.003		
7/14/2017			<0.003			
10/3/2017	<0.003	<0.003	<0.003		<0.003	0.0001 (J)
10/4/2017				<0.003		
3/19/2018	6.6E-05 (J)					
3/20/2018		6.8E-05 (J)	<0.003		<0.003	0.00022 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	5.8E-05 (J)				
9/18/2018			<0.003	<0.003	<0.003	0.00014 (JD)
3/21/2019	<0.003	7.6E-05 (J)	<0.003			0.00015 (J)
3/27/2019				<0.003		
5/6/2019					0.0001 (J)	
9/13/2019			<0.003			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	0.0001 (J)
3/12/2020	<0.003	9.3E-05 (J)	<0.003	<0.003		0.00022 (J)
3/16/2020					<0.003	
9/16/2020	<0.003	6.7E-05 (J)	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/17/2020				<0.003	4.9E-05 (J)	4.8E-05 (J)

Time Series

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	<0.1					
3/23/2016		<0.1	<0.1	<0.1		
3/28/2016						<0.1
5/19/2016	<0.1		<0.1			
5/20/2016		<0.1				
5/23/2016				<0.1		<0.1
7/29/2016	<0.1	<0.1	<0.1	<0.1		
8/1/2016						<0.1
9/22/2016			<0.1	<0.1		
9/23/2016	<0.1	<0.1				
9/26/2016						<0.1
11/9/2016	<0.1	<0.1				
11/10/2016			<0.1	<0.1		<0.1
1/30/2017	<0.1					<0.1
1/31/2017		<0.1	<0.1	<0.1		
2/22/2017					0.022 (J)	
3/30/2017	0.0065 (J)	<0.1		<0.1		
4/3/2017			<0.1			
4/7/2017					0.0082 (J)	0.008 (J)
6/9/2017	<0.1		<0.1			
6/12/2017		<0.1		<0.1		<0.1
6/14/2017					0.008 (J)	
7/12/2017					0.0082 (J)	
7/20/2017					0.0091 (J)	
7/28/2017					<0.1	
8/9/2017					0.0071 (J)	
8/24/2017					0.0062 (J)	
10/2/2017	<0.1	<0.1	<0.1			<0.1
10/3/2017					0.006 (J)	
10/4/2017				<0.1		
3/16/2018	<0.1		0.0077 (J)			<0.1
3/19/2018		0.013 (J)		0.0057 (J)		
3/21/2018					0.0062 (J)	
9/14/2018		<0.1	<0.1			
9/17/2018	0.00625 (JD)			<0.1		<0.1
9/18/2018					0.0096 (J)	
3/19/2019			0.014 (J)			<0.1
3/20/2019	0.0042 (J)	<0.1		<0.1		
3/21/2019					0.0066 (J)	
9/12/2019	<0.1	<0.1 (D)			0.012 (J)	
9/13/2019			0.012 (J)	<0.1		<0.1
3/11/2020	<0.1	0.0068 (J)	0.017 (J)	0.0071 (J)		0.0063 (J)
3/12/2020					0.014 (J)	
9/15/2020	0.01 (J)	0.0053 (J)	0.0074 (J)			
9/16/2020						<0.1
9/17/2020					0.015 (J)	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	<0.1					
3/31/2016		<0.1	<0.1			
4/4/2016				<0.1	<0.1	<0.1
5/25/2016	<0.1					
5/26/2016		<0.1	<0.1	<0.1	<0.1	
5/27/2016						<0.1
8/1/2016	<0.1					
8/3/2016			<0.1	<0.1		<0.1
8/4/2016					<0.1	
8/5/2016		<0.1				
9/26/2016	<0.1					
9/28/2016		<0.1	0.0169 (J)	<0.1	<0.1	
9/30/2016						<0.1
11/11/2016	0.0193 (J)					
11/22/2016		<0.1	0.0067 (J)	<0.1	0.0072 (J)	<0.1
1/30/2017	<0.1					
2/7/2017		<0.1	<0.1			
2/8/2017				0.0085 (J)	0.0069 (J)	
2/13/2017						<0.1
4/3/2017	<0.1					
4/10/2017		<0.1	<0.1	<0.1	<0.1	
4/11/2017						<0.1
6/12/2017	<0.1					
6/14/2017		<0.1	<0.1			<0.1
6/15/2017				<0.1	<0.1	
10/2/2017	<0.1					
10/4/2017		<0.1	<0.1	<0.1	0.0065 (J)	<0.1
3/16/2018	<0.1					
3/20/2018		0.004 (J)				
3/21/2018			<0.1	<0.1		
3/22/2018					<0.1	<0.1
9/18/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3/19/2019	<0.1					
3/22/2019		<0.1	<0.1			
3/23/2019				<0.1	<0.1	<0.1
9/12/2019	<0.1					
9/17/2019		<0.1	<0.1	<0.1	<0.1	<0.1 (D)
3/11/2020	0.007 (J)					
3/12/2020		<0.1	0.005 (J)	<0.1	0.0058 (J)	<0.1
9/15/2020	<0.1					
9/17/2020		<0.1	<0.1			
9/21/2020				<0.1	<0.1	<0.1

Time Series

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/28/2016						<0.1
4/4/2016	<0.1	<0.1				
4/5/2016			<0.1	<0.1	<0.1	
5/25/2016						<0.1
5/31/2016	<0.1			<0.1	<0.1	
6/1/2016		<0.1	<0.1			
8/1/2016						<0.1
8/4/2016	<0.1				<0.1	
8/9/2016			0.0998 (D)			
9/27/2016						<0.1
9/29/2016	0.0192 (J)				0.0106 (J)	
11/11/2016						0.0083 (J)
11/23/2016				0.0076 (J)	0.0099 (J)	
11/28/2016	0.0124 (J)		0.0072 (J)			
1/31/2017						<0.1
2/9/2017	0.0157 (J)		<0.1			
2/10/2017				<0.1	<0.1	
2/22/2017		0.02 (J)				
4/3/2017						<0.1
4/11/2017		<0.1	<0.1	<0.1		
4/12/2017	0.0183 (J)				0.009 (J)	
6/12/2017						<0.1
6/14/2017			<0.1			
6/15/2017				<0.1	<0.1	
6/16/2017	0.0269 (J)	0.0163 (J)				
7/12/2017		0.0117 (J)	<0.1	<0.1		
7/26/2017				<0.1		
7/28/2017		0.0071 (J)				
8/10/2017		0.0093 (J)				
10/3/2017						<0.1
10/5/2017			0.0068 (J)			
10/6/2017		0.0148 (J)		0.0071 (J)	<0.1	
10/9/2017	0.0383 (J)					
3/19/2018						0.0041 (J)
3/21/2018	0.021 (J)					
3/22/2018			<0.1			
3/23/2018		0.017 (J)		0.0092 (J)	0.0053 (J)	
9/17/2018						<0.1
9/19/2018	0.026 (J)		<0.1	0.0046 (J)	0.0049 (J)	
9/20/2018		0.016 (J)				
3/20/2019						<0.1
3/22/2019		0.013 (J)	<0.1	<0.1		
3/23/2019	0.012 (J)					
3/25/2019					<0.1	
9/16/2019						0.0051 (J)
9/17/2019			<0.1	<0.1	<0.1	
9/18/2019	0.017 (J)	0.014 (X)				
3/13/2020	0.014 (J)		0.0081 (J)	0.0054 (J)	0.0064 (J)	
3/16/2020						<0.1
3/17/2020		0.017 (J)				
9/16/2020						<0.1
9/21/2020			<0.1	<0.1	0.0075 (J)	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
9/22/2020	0.0087 (J)	0.01 (J)				

Time Series

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:24 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.1	
3/29/2016	<0.1	<0.1				
3/30/2016				<0.1		<0.1
5/24/2016	<0.1	<0.1		<0.1		
5/25/2016					<0.1	
5/26/2016						<0.1
5/31/2016			<0.1			
8/1/2016	<0.1	<0.1				
8/2/2016			<0.1	<0.1	<0.1	
8/5/2016						<0.1
9/26/2016	<0.1	<0.1			<0.1	
9/27/2016			0.0073 (J)	<0.1		
9/28/2016						<0.1
11/14/2016		<0.1				
11/18/2016	<0.1					
11/21/2016			0.008 (J)		<0.1	<0.1
11/22/2016				0.0115 (J)		
2/1/2017	<0.1	<0.1	<0.1			
2/3/2017					<0.1	
2/6/2017				<0.1		<0.1
4/6/2017	<0.1	<0.1	<0.1	<0.1		<0.1
4/7/2017					<0.1	
6/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1
6/14/2017				<0.1		
7/14/2017			0.007 (J)			
10/3/2017	<0.1	<0.1	<0.1		<0.1	<0.1
10/4/2017				<0.1		
3/19/2018	<0.1					
3/20/2018		0.0073 (J)	0.0064 (J)		<0.1	0.0096 (J)
3/21/2018				<0.1		
9/17/2018	<0.1	0.0046 (J)				
9/18/2018			0.0045 (J)	<0.1	<0.1	<0.1 (D)
3/21/2019	<0.1	<0.1	<0.1			0.006 (J)
3/27/2019				0.0078 (J)		
5/6/2019					0.0065 (J)	
9/13/2019			0.0065 (J)			
9/16/2019	<0.1	<0.1		<0.1 (D)	<0.1	<0.1
3/12/2020	0.0061 (J)	0.0052 (J)	0.0057 (J)	<0.1		0.0058 (J)
3/16/2020					<0.1	
9/16/2020	<0.1	<0.1	0.0052 (J)			
9/17/2020				<0.1	<0.1	<0.1

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:24 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.001	<0.001	<0.001	<0.001		
10/23/2007	<0.001					
10/24/2007		<0.001	<0.001			
11/2/2007				<0.001		
11/18/2007	<0.001	<0.001	<0.001	<0.001		
1/30/2008	<0.001					
1/31/2008		<0.001	<0.001	<0.001		
3/10/2008	<0.001		<0.001			
3/11/2008		<0.001		<0.001		
5/6/2008		<0.001				
5/13/2008	<0.001		<0.001			
5/14/2008				<0.001		
12/4/2008		<0.001	<0.001			
12/5/2008	<0.001			<0.001		
12/12/2008						<0.001
4/15/2009	<0.001			<0.001		
4/21/2009		<0.001	<0.001			
4/23/2009						<0.001
10/6/2009						<0.001
10/7/2009	<0.001	<0.001				
10/8/2009			<0.001	<0.001		
4/21/2010			<0.001			
4/26/2010		<0.001				
4/27/2010						<0.001
4/28/2010				<0.001		
5/3/2010	<0.001					
9/28/2010			<0.001			
9/30/2010						<0.001
10/4/2010		<0.001				
10/6/2010				<0.001		
10/12/2010	<0.001					
4/12/2011			<0.001			
4/13/2011		<0.001				
4/14/2011						<0.001
4/21/2011				<0.001		
4/27/2011	<0.001					
10/4/2011			<0.001			
10/5/2011		<0.001				<0.001
10/13/2011				<0.001		
10/17/2011	<0.001					
4/3/2012			<0.001			
4/11/2012		<0.001				<0.001
5/1/2012				<0.001		
5/2/2012	<0.001					
10/2/2012						<0.001
10/8/2012	<0.001					
10/9/2012		<0.001	<0.001	<0.001		
4/9/2013						<0.001
4/11/2013			<0.001	<0.001		
4/12/2013	<0.001					
4/15/2013		<0.001				
10/15/2013		<0.001				<0.001

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.001		<0.001	<0.001		
4/10/2014			<0.001			<0.001
4/11/2014	<0.001					
4/22/2014		<0.001				
4/23/2014				<0.001		
9/30/2014	<0.001	<0.001	<0.001			
10/1/2014						<0.001
10/4/2014				<0.001		
3/30/2015	<0.001	<0.001	<0.001			<0.001
3/31/2015				<0.001		
10/11/2015						0.00026 (J)
10/12/2015				<0.001		
10/13/2015	0.0003 (J)	<0.001	<0.001			
3/22/2016	<0.001					
3/23/2016		<0.001	<0.001	<0.001		
3/28/2016						<0.001
5/19/2016	<0.001		<0.001			
5/20/2016		<0.001				
5/23/2016				<0.001		<0.001
7/29/2016	<0.001	<0.001	<0.001	<0.001		
8/1/2016						<0.001
9/22/2016			<0.001	<0.001		
9/23/2016	<0.001	<0.001				
9/26/2016						<0.001
11/9/2016	<0.001	<0.001				
11/10/2016			<0.001	<0.001		<0.001
1/30/2017	<0.001					<0.001
1/31/2017		<0.001	<0.001	<0.001		
2/22/2017					<0.001	
3/30/2017	<0.001	<0.001		<0.001		
4/3/2017			<0.001			
4/7/2017					<0.001	<0.001
6/9/2017	<0.001		<0.001			
6/12/2017		<0.001		<0.001		<0.001
6/14/2017					<0.001	
7/12/2017					<0.001	
7/20/2017					<0.001	
7/28/2017					<0.001	
8/9/2017					<0.001	
8/24/2017					<0.001	
10/2/2017	<0.001	<0.001	<0.001			<0.001
10/3/2017					<0.001	
10/4/2017				<0.001		
3/16/2018	<0.001		<0.001			<0.001
3/19/2018		<0.001		<0.001		
3/21/2018					<0.001	
9/14/2018		<0.001	<0.001			
9/17/2018	0.00076 (D)			<0.001		<0.001
9/18/2018					<0.001	
3/19/2019			<0.001			<0.001
3/20/2019	<0.001	<0.001		<0.001		
3/21/2019					<0.001	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.001	<0.001 (D)			<0.001	
9/13/2019			<0.001	<0.001		<0.001
3/11/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/12/2020					<0.001	
9/15/2020	<0.001	<0.001	<0.001			
9/16/2020						<0.001
9/17/2020					<0.001	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2007		<0.001	<0.001	<0.001	<0.001	<0.001
11/18/2007				<0.001	<0.001	
11/19/2007						<0.001
11/20/2007		<0.001	<0.001			
1/16/2008						<0.001
1/30/2008		<0.001	<0.001	<0.001	<0.001	
3/5/2008				<0.001		<0.001
3/6/2008		<0.001	<0.001		<0.001	
5/7/2008				<0.001	<0.001	
5/8/2008			<0.001			
5/12/2008		<0.001				
5/13/2008						<0.001
12/12/2008	<0.001					
12/13/2008		<0.001				<0.001
12/14/2008			<0.001	<0.001	<0.001	
4/16/2009						<0.001
4/23/2009	<0.001					
4/29/2009		<0.001	<0.001	<0.001	<0.001	
10/6/2009	<0.001					
10/20/2009		<0.001				
10/21/2009			<0.001			<0.001
10/22/2009				<0.001	<0.001	
4/21/2010			<0.001	<0.001	<0.001	
4/26/2010		<0.001				
4/27/2010						<0.001
5/3/2010	<0.001					
9/28/2010			<0.001	<0.001		
9/29/2010		<0.001			<0.001	
10/5/2010						<0.001
10/11/2010	<0.001					
4/12/2011			<0.001	<0.001		
4/13/2011		<0.001			<0.001	
4/19/2011						<0.001
4/27/2011	<0.001					
10/4/2011			<0.001	<0.001	<0.001	
10/5/2011		<0.001				
10/12/2011						<0.001
10/19/2011	<0.001					
4/3/2012			<0.001	<0.001		
4/4/2012		<0.001			<0.001	
4/24/2012						<0.001
5/1/2012	<0.001					
10/2/2012	<0.001					<0.001
10/3/2012		<0.001		<0.001	<0.001	
10/8/2012			<0.001			
4/2/2013						<0.001
4/3/2013		<0.001	<0.001	<0.001	<0.001	
4/10/2013	<0.001					
10/9/2013				<0.001	<0.001	<0.001
10/15/2013		<0.001	<0.001			
10/16/2013	<0.001					

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.001
4/2/2014				<0.001	<0.001	
4/9/2014		<0.001	<0.001			
4/22/2014	<0.001					
10/1/2014	<0.001					
10/2/2014		<0.001	<0.001	<0.001	<0.001	<0.001
3/30/2015	<0.001					
4/1/2015				<0.001	0.00033 (J)	<0.001
4/2/2015		<0.001	<0.001			
10/10/2015		<0.001				
10/11/2015	<0.001			<0.001	0.00056 (J)	
10/12/2015			<0.001			
10/14/2015						0.00025 (J)
3/28/2016	<0.001					
3/31/2016		<0.001	<0.001			
4/4/2016				<0.001	<0.001	0.000136 (J)
5/25/2016	<0.001					
5/26/2016		<0.001	<0.001	<0.001	<0.001	
5/27/2016						0.000131 (J)
8/1/2016	<0.001					
8/3/2016			<0.001	<0.001		<0.001
8/4/2016					<0.001	
8/5/2016		<0.001				
9/26/2016	<0.001					
9/28/2016		<0.001	0.0002 (J)	<0.001	<0.001	
9/30/2016						9E-05 (J)
11/11/2016	<0.001					
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001
1/30/2017	<0.001					
2/7/2017		<0.001	<0.001			
2/8/2017				<0.001	<0.001	
2/13/2017						0.0001 (J)
4/3/2017	<0.001					
4/10/2017		<0.001	<0.001	<0.001	<0.001	
4/11/2017						0.0003 (J)
6/12/2017	<0.001					
6/14/2017		<0.001	<0.001			0.0003 (J)
6/15/2017				<0.001	<0.001	
10/2/2017	<0.001					
10/4/2017		<0.001	<0.001	<0.001	<0.001	0.0002 (J)
3/16/2018	<0.001					
3/20/2018		<0.001				
3/21/2018			<0.001	<0.001		
3/22/2018					<0.001	0.00032 (J)
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	0.00057 (J)
3/19/2019	<0.001					
3/22/2019		<0.001	<0.001			
3/23/2019				<0.001	<0.001	0.00035 (J)
9/12/2019	<0.001					
9/17/2019		<0.001	<0.001	<0.001	<0.001	0.000575 (JD)
3/11/2020	<0.001					
3/12/2020		<0.001	<0.001	<0.001	<0.001	0.00089 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/15/2020	<0.001					
9/17/2020		<0.001	<0.001			
9/21/2020				<0.001	<0.001	0.00025 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.001	<0.001				
8/23/2007					<0.001	<0.001
8/24/2007			<0.001	<0.001		
10/25/2007						<0.001
11/1/2007	<0.001	<0.001				
11/2/2007			<0.001	<0.001	<0.001	
11/17/2007			<0.001		<0.001	
11/18/2007				<0.001		
11/19/2007	<0.001	<0.001				<0.001
1/15/2008			<0.001	<0.001	<0.001	
1/23/2008						<0.001
1/31/2008	<0.001	<0.001				
3/5/2008	<0.001	<0.001	<0.001			
3/6/2008					<0.001	
3/10/2008				<0.001		
3/11/2008						<0.001
5/7/2008		<0.001	<0.001		<0.001	
5/12/2008	<0.001					<0.001
5/13/2008				<0.001		
12/2/2008			<0.001	<0.001	<0.001	
12/11/2008						<0.001
12/12/2008		<0.001				
12/13/2008	<0.001					
4/15/2009						<0.001
4/16/2009			<0.001			
4/28/2009	<0.001			<0.001	<0.001	
4/29/2009		<0.001				
10/9/2009						<0.001
10/19/2009					<0.001	
10/20/2009			<0.001	<0.001		
10/21/2009	<0.001	<0.001				
4/20/2010			<0.001			
4/27/2010				<0.001	<0.001	
4/28/2010	<0.001	<0.001				
5/4/2010						<0.001
9/29/2010			<0.001			
10/4/2010					<0.001	
10/5/2010	<0.001			<0.001		
10/6/2010		<0.001				
10/12/2010						<0.001
4/12/2011			<0.001			
4/18/2011					<0.001	
4/19/2011	<0.001			<0.001		
4/20/2011		<0.001				
4/28/2011						<0.001
10/4/2011			<0.001			
10/12/2011		<0.001		<0.001	<0.001	
10/18/2011	<0.001					
10/19/2011						<0.001
4/4/2012			<0.001			
4/23/2012					<0.001	
4/25/2012	<0.001	<0.001		<0.001		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.001
10/2/2012	<0.001	<0.001				
10/9/2012						<0.001
10/10/2012			<0.001	<0.001	<0.001	
4/2/2013	<0.001	<0.001				
4/11/2013						<0.001
4/15/2013			<0.001		<0.001	
4/16/2013				<0.001		
10/8/2013	<0.001	<0.001				
10/16/2013						<0.001
10/22/2013			<0.001	<0.001	<0.001	
4/1/2014	<0.001	<0.001				
4/21/2014			<0.001	<0.001	<0.001	
4/23/2014						<0.001
9/30/2014			<0.001	<0.001	<0.001	
10/1/2014	<0.001	<0.001				
10/3/2014						0.00033 (J)
3/31/2015		<0.001				<0.001
4/1/2015	<0.001					
4/3/2015			<0.001	<0.001	<0.001	
10/6/2015				<0.001		
10/7/2015			<0.001		0.00028 (J)	
10/12/2015						<0.001
10/14/2015		<0.001				
10/15/2015	<0.001					
3/28/2016						0.00104
4/4/2016	<0.001	<0.001				
4/5/2016			<0.001	<0.001	0.027 (o)	
5/25/2016						0.000148 (J)
5/31/2016	<0.001			<0.001	0.000206 (J)	
6/1/2016		<0.001	<0.001			
8/1/2016						0.0001 (J)
8/4/2016	<0.001				<0.001	
8/9/2016			<0.001			
9/27/2016						0.0001 (J)
9/29/2016	<0.001				0.0002 (J)	
11/11/2016						9E-05 (J)
11/23/2016				<0.001	0.0001 (J)	
11/28/2016	<0.001		<0.001			
1/31/2017						<0.001
2/9/2017	<0.001		0.0001 (J)			
2/10/2017				<0.001	<0.001	
2/22/2017		<0.001				
4/3/2017						0.0001 (J)
4/11/2017		<0.001	<0.001	<0.001		
4/12/2017	<0.001				<0.001	
6/12/2017						<0.001
6/14/2017			<0.001			
6/15/2017				<0.001	<0.001	
6/16/2017	<0.001	<0.001				
7/12/2017		<0.001	<0.001	<0.001		
7/26/2017				<0.001		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		<0.001				
8/10/2017		<0.001				
10/3/2017						<0.001
10/5/2017			<0.001			
10/6/2017		<0.001		<0.001	<0.001	
10/9/2017	<0.001					
3/19/2018						<0.001
3/21/2018	<0.001					
3/22/2018			<0.001			
3/23/2018		<0.001		<0.001	<0.001	
9/17/2018						<0.001
9/19/2018	<0.001		<0.001	<0.001	<0.001	
9/20/2018		<0.001				
3/20/2019						<0.001
3/22/2019		<0.001	<0.001	<0.001		
3/23/2019	<0.001					
3/25/2019					<0.001	
9/16/2019						<0.001
9/17/2019			<0.001	<0.001	<0.001	
9/18/2019	<0.001	<0.001				
3/13/2020	<0.001		<0.001	<0.001	<0.001	
3/16/2020						<0.001
3/17/2020		<0.001				
9/16/2020						<0.001
9/21/2020			<0.001	<0.001	<0.001	
9/22/2020	<0.001	<0.001				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.001					
8/23/2007						<0.001
10/25/2007	<0.001					
11/1/2007						<0.001
11/19/2007						<0.001
11/20/2007	<0.001					
1/15/2008						<0.001
1/23/2008	<0.001					
3/6/2008						<0.001
3/11/2008	<0.001					
5/13/2008						<0.001
5/14/2008	<0.001					
12/11/2008	<0.001					
12/12/2008						<0.001
4/16/2009						<0.001
4/23/2009	<0.001					
10/9/2009	<0.001					
10/13/2009						<0.001
4/21/2010						<0.001
5/4/2010	<0.001					
9/29/2010						<0.001
10/11/2010	<0.001					
4/13/2011						<0.001
4/26/2011	<0.001					
10/5/2011						<0.001
10/18/2011	<0.001			<0.001		
4/4/2012						<0.001
4/30/2012				<0.001		
5/2/2012	<0.001					
10/3/2012				<0.001		
10/8/2012	<0.001					<0.001
4/8/2013				<0.001		<0.001
4/10/2013	<0.001					
10/8/2013	<0.001					
10/9/2013				<0.001		<0.001
4/9/2014						<0.001
4/10/2014				<0.001		
4/14/2014	<0.001					
9/30/2014						<0.001
10/2/2014				<0.001		
10/3/2014	<0.001					
4/1/2015	<0.001					
4/2/2015						<0.001
4/3/2015				<0.001		
5/26/2015		<0.001			<0.001	
6/18/2015		<0.001 (D)			<0.001 (D)	
7/2/2015		<0.001			<0.001	
10/8/2015				<0.001	<0.001	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001 (D)
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			<0.001	<0.001	<0.001	
8/5/2016						<0.001
9/26/2016	8E-05 (J)	<0.001			<0.001	
9/27/2016			<0.001	<0.001		
9/28/2016						<0.001
11/14/2016		<0.001				
11/18/2016	8E-05 (J)					
11/21/2016			<0.001		<0.001	<0.001
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	9E-05 (J)			
2/3/2017					0.0001 (J)	
2/6/2017				<0.001		<0.001
4/6/2017	<0.001	<0.001	<0.001	<0.001		<0.001
4/7/2017					<0.001	
6/13/2017	<0.001	<0.001	<0.001		0.0002 (J)	<0.001
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	<0.001		<0.001	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		<0.001	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					<0.001	
9/13/2019			<0.001			
9/16/2019	<0.001	<0.001		<0.001 (D)	<0.001	<0.001
3/12/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/16/2020					<0.001	
9/16/2020	<0.001	<0.001	<0.001			
9/17/2020				<0.001	<0.001	<0.001

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	32.6					
3/23/2016		54.1	46.5	2.05		
3/28/2016						3.89
5/19/2016	33.4		24.6			
5/20/2016		23.9				
5/23/2016				1.29		2.16
7/29/2016	26	25.3	14.9	1.29		
8/1/2016						1.37
9/22/2016			15	1.51		
9/23/2016	28.8	26.6				
9/26/2016						1.86
11/9/2016	27.9	16.1				
11/10/2016			12.6	1.54		1.86
1/30/2017	29.2					2.86
1/31/2017		5.68	16.5	1.34		
2/22/2017					54.7	
3/30/2017	30	25.2		1.31		
4/3/2017			16.6			
4/7/2017					46.8	2.34
6/9/2017	30.9		17.8			
6/12/2017		34.2		1.4		1.87
6/14/2017					52.4	
7/12/2017					51.1	
7/20/2017					47.5	
7/28/2017					44	
8/9/2017					48.3	
8/24/2017					41.9	
10/2/2017	31.5	1.69	20.6			2.53
10/3/2017					47.7	
10/4/2017				1.13		
3/16/2018	28.5		33			1.8
3/19/2018		63		1.2		
3/21/2018					47.5	
9/14/2018		2.4	22.8 (J)			
9/17/2018	30.8			0.95		2.3
9/18/2018					48.1	
3/19/2019			59.2			4.2
3/20/2019	30.1	4.3		0.96		
3/21/2019					49.9	
9/12/2019	31.9	1.8			49.9	
9/13/2019			27	0.94		1.9
3/11/2020	31.8	66.6	46.8	1		1.6
3/12/2020					54.2	
9/15/2020	30.8	18.4	21.4			
9/16/2020						1.7
9/17/2020					48.4	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	7.04					
3/31/2016		36.4	45			
4/4/2016				21.3	27.9	8.63
5/25/2016	13.5					
5/26/2016		37.6	41.7	22.5	28.7	
5/27/2016						9.07
8/1/2016	2.2					
8/3/2016			35.2	17.5		6.82
8/4/2016					18.6	
8/5/2016		30.7				
9/26/2016	5.72					
9/28/2016		32.4	39.2	24.1	17.7	
9/30/2016						8.8
11/11/2016	2.5					
11/22/2016		31.4	37.2	15.7	20.2	8.08
1/30/2017	2.01					
2/7/2017		30.1	38.4			
2/8/2017				18.3	24.3	
2/13/2017						8.51
4/3/2017	6.26					
4/10/2017		23.6	38.7	18.5	29	
4/11/2017						7.5
6/12/2017	7.44					
6/14/2017		34.6	40.8			7.82
6/15/2017				21	29	
10/2/2017	6.55					
10/4/2017		35.2	40.1	9.4	23.9	8.32
3/16/2018	2.6					
3/20/2018		12 (J)				
3/21/2018			43.3	19.7 (J)		
3/22/2018					27.5	7.5
9/18/2018	1.3	36.7	45.4	17.6 (J)	26.3	8.2
3/19/2019	4.6					
3/22/2019		15.4 (J)	37.2			
3/23/2019				7.8	28.3	7.5
9/12/2019	3.7					
9/17/2019		36.7	40.5	16.8	27.6	7.8
3/11/2020	1.2					
3/12/2020		18.6	43.2	8	32.5	8.1
9/15/2020	0.94 (J)					
9/17/2020		32.6	39			
9/21/2020				17.7	26	8

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/28/2016						4.29
4/4/2016	36.9	26.5				
4/5/2016			35.7	12.2	37.7	
5/25/2016						7.15
5/31/2016	43.9			8.24	38.4	
6/1/2016		26.6	28.2			
8/1/2016						3.35
8/4/2016	45				28.6	
8/9/2016			43			
9/27/2016						2.89
9/29/2016	60.5				31.4	
11/11/2016						3.33
11/23/2016				24.5	62.5	
11/28/2016	54.7		24.8			
1/31/2017						3.21
2/9/2017	61		21.2			
2/10/2017				23.8	31.2	
2/22/2017		51.6				
4/3/2017						2.57
4/11/2017		45.2	21.1	25.7		
4/12/2017	52.3				34.1	
6/12/2017						6.22
6/14/2017			20.6			
6/15/2017				24.8	34.2	
6/16/2017	62.3	47.5				
7/12/2017		51.6	17.7	27.7		
7/26/2017				25.6		
7/28/2017		46				
8/10/2017		52.2				
10/3/2017						2.45
10/5/2017			20.1			
10/6/2017		42.2		24.7	35.4	
10/9/2017	58.6					
3/19/2018						3.3
3/21/2018	40.9					
3/22/2018			18.6 (J)			
3/23/2018		41.4		24.3 (J)	35.6	
9/17/2018						2
9/19/2018	45.9		20 (J)	23.7 (J)	35.7	
9/20/2018		47.5				
3/20/2019						2.7
3/22/2019		40.5	16.7 (J)	21.3 (J)		
3/23/2019	29.6					
3/25/2019					35.6	
9/16/2019						2.8
9/17/2019			11.4	22.1	39.5	
9/18/2019	40.7	42.9				
3/13/2020	33		17	24.2	41	
3/16/2020						12.1
3/17/2020		44.9				
9/16/2020						2.8
9/21/2020			13.1	22.6	36.5	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
9/22/2020	43.1	47.7				

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					25.1	
3/29/2016	13.8	11.1				
3/30/2016				22.2		9.07
5/24/2016	14.8	12.6		25.2		
5/25/2016					23.7	
5/26/2016						15.8
5/31/2016			25.7			
8/2/2016			22.9	20.8	21.5	
8/5/2016						20.5
9/26/2016	13.3	11.8			21.4	
9/27/2016			22.2	23.1		
9/28/2016						24.9
11/14/2016		11.3				
11/18/2016	12.4					
11/21/2016			22.1		21	23.4
11/22/2016				22.3		
2/1/2017	13.3	12.6	21.7			
2/3/2017					20	
2/6/2017				21.4		1.7
4/6/2017	13.4	9.84	21.4	21.1		1.6
6/13/2017	14.6	13	24.4		21.5	3.82
6/14/2017				22.1		
7/14/2017			24.8			
10/3/2017	13.9	13.7	23.6		22.8	9.77
10/4/2017				23.1		
3/19/2018	14.4 (J)					
3/20/2018		11.5 (J)	22.9 (J)		20.3 (J)	1.4
3/21/2018				22.5 (J)		
9/17/2018	12.4 (J)	11 (J)				
9/18/2018			20.8 (J)	20.8 (J)	15.5 (J)	3.35 (D)
3/21/2019	14.9 (J)	8.3	25.2			4.8
3/27/2019				20.6 (J)		
5/6/2019					20 (J)	
9/13/2019			24.6			
9/16/2019	13.5	9.5		23	20.3	12
3/12/2020	16.2	9.3	26.4	21.8		1.8
3/16/2020					19.4	
9/16/2020	14.3	8.8	24.4			
9/17/2020				21.4	18.1	18.3

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	1.5101					
3/23/2016		2.4904	0.9079	1.6092		
3/28/2016						1.14
5/19/2016	1.5		0.9136			
5/20/2016		1.71				
5/23/2016				1.52		1.19
7/29/2016	1.7	2	1.1	1.5		
8/1/2016						1.2
9/22/2016			1	1.4		
9/23/2016	1.8	1.8				
9/26/2016						1.1
11/9/2016	2	1.6				
11/10/2016			1.2	1.6		1.3
1/30/2017	1.5					1.2
1/31/2017		1.3	1.2	1.6		
2/22/2017					3.7	
3/30/2017	1.8	1.6		1.4		
4/3/2017			0.99			
4/7/2017					2.5	1.2
6/9/2017	1.6		0.87			
6/12/2017		1.6		1.4		1.1
6/14/2017					2.6	
7/12/2017					2.8	
7/20/2017					2.3	
7/28/2017					2	
8/9/2017					1.8	
8/24/2017					2.9	
10/2/2017	1.6	0.94	1			1.2
10/3/2017					2.8	
10/4/2017				1.5		
3/16/2018	1.7		1.6			1.4
3/19/2018		1.9		1.5		
3/21/2018					2.9	
9/14/2018		0.98	0.92			
9/17/2018	1.55 (D)			1.5		1.1
9/18/2018					3.1	
3/19/2019			2			<1
3/20/2019	<1	<1		<1		
3/21/2019					3.6	
9/12/2019	1.3	0.815 (JD)			2.1	
9/13/2019			0.94 (J)	1.5		1
3/11/2020	1.4	2	0.6 (J)	1.4		0.91 (J)
3/12/2020					2.3	
9/15/2020	1.3	1.2	0.75 (J)			
9/16/2020						0.97 (J)
9/17/2020				2.4		

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	0.9204					
3/31/2016		2.72	2.79			
4/4/2016				1.42	1.67	1.03
5/25/2016	1.04					
5/26/2016		2.63	2.87	1.37	1.64	
5/27/2016						0.9684
8/1/2016	0.85					
8/3/2016			3.2	1.4		1.3
8/4/2016					1.7	
8/5/2016		3				
9/26/2016	0.87					
9/28/2016		2.5	3	1.2	1.4	
9/30/2016						1.2
11/11/2016	0.99					
11/22/2016		2.6	3.1	1.6	1.9	1.2
1/30/2017	0.95					
2/7/2017		2.3	3			
2/8/2017				1.4	1.7	
2/13/2017						0.96
4/3/2017	0.88					
4/10/2017		1.9	2.3	1.3	1.8	
4/11/2017						1.2
6/12/2017	0.83					
6/14/2017		1.9	2			0.89
6/15/2017				1.2	1.5	
10/2/2017	0.94					
10/4/2017		2	2.1	1.3	1.6	1
3/16/2018	<1					
3/20/2018		2.2				
3/21/2018			2.5	1.6		
3/22/2018					2	<1
9/18/2018	1	2.4	2.5	1.5	1.9	1.3
3/19/2019	<1					
3/22/2019		2.2	2.8			
3/23/2019				1.2	1.7	0.88
9/12/2019	0.74 (J)					
9/17/2019		2.4	2.8	1.1	1.4	0.835 (JD)
3/11/2020	0.73 (J)					
3/12/2020		2.3	3	1	1.5	0.84 (J)
9/15/2020	0.7 (J)					
9/17/2020		2.5	2.9			
9/21/2020				1	1.3	0.71 (J)

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/28/2016						0.8659
4/4/2016	3.55	3.3				
4/5/2016			1.93	0.9439	2.08	
5/25/2016						0.8639
5/31/2016	3.55			1	1.51	
6/1/2016		3.18	1.93			
8/1/2016						0.93
8/4/2016	4.4				1.7	
8/9/2016			2.4			
9/27/2016						0.8
9/29/2016	4				1.5	
11/11/2016						0.95
11/23/2016				1.7	1.9	
11/28/2016	4		3			
1/31/2017						0.99
2/9/2017	7.5		3			
2/10/2017				1.6	1.5	
2/22/2017		7.2				
4/3/2017						0.93
4/11/2017		5.5	4.5	1.5		
4/12/2017	5.3				1.7	
6/12/2017						0.91
6/14/2017			3			
6/15/2017				1	1.4	
6/16/2017	5.4	8.7				
7/12/2017		7.5	3.9	1.8		
7/26/2017				1.2		
7/28/2017		6.6				
8/10/2017		8.5				
10/3/2017						0.95
10/5/2017			2.7			
10/6/2017		8.9		1.7	1.6	
10/9/2017	6.2					
3/19/2018						0.82
3/21/2018	4.6					
3/22/2018			3.4			
3/23/2018		8.3		<1	1.5	
9/17/2018						0.9
9/19/2018	5.1		2.8	1.1	1.7	
9/20/2018		9.6				
3/20/2019						<1
3/22/2019		7.4	3.7	1.2		
3/23/2019	3.5					
3/25/2019					1.9	
9/16/2019						0.73 (J)
9/17/2019			3.8	0.78 (X)	2	
9/18/2019	4	7.6				
3/13/2020	3.3		4.2	0.7 (J)	1.6	
3/16/2020						0.67 (J)
3/17/2020		7.7				
9/16/2020						0.7 (J)
9/21/2020			3.5	0.64 (J)	1.6	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
9/22/2020	3.5	7				

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					1.4231	
3/29/2016	1.3977	1.6645				
3/30/2016				0.9409		2.21
5/24/2016	1.33	1.58		0.92		
5/25/2016					1.11	
5/26/2016						2.1
5/31/2016			1.33			
8/1/2016	1.2	1.4				
8/2/2016			1.5	1.2	1.5	
8/5/2016						2.4
9/26/2016	1.1	1.4			1.6	
9/27/2016			1.4	1.1		
9/28/2016						2.1
11/14/2016		1.6				
11/18/2016	1.2					
11/21/2016			1.5		1.5	2.2
11/22/2016				1.2		
2/1/2017	1.3	1.4	1.5			
2/3/2017					1.8	
2/6/2017				1.1		2.5
4/6/2017	1.1	1.5	1.2	1.2		2.2
4/7/2017					1.5	
6/13/2017	1.2	1.3	0.98		1.3	2
6/14/2017				0.92		
7/14/2017			1.1			
10/3/2017	1.2	1.3	1		1.4	2
10/4/2017				1		
3/19/2018	1.2					
3/20/2018		1.7	1.5		1.8	2.4
3/21/2018				1.3		
9/17/2018	1.1	1.3				
9/18/2018			1.3	1.2	1.9	2.4 (D)
3/21/2019	<1	<1	<1			2
3/27/2019				0.9		
5/6/2019					1.1	
9/13/2019			1			
9/16/2019	1.1	1.2		0.75 (JD)	1.4	1.9
3/12/2020	1.3	1.3	0.72 (J)	0.93 (J)		1.9
3/16/2020					1.3	
9/16/2020	1.2	1.2	0.79 (J)			
9/17/2020				0.77 (J)	1.4	1.9

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	0.0045	<0.01	<0.01		
10/23/2007	0.011					
10/24/2007		0.039 (o)	0.0033			
11/2/2007				0.027		
11/18/2007	0.038 (o)	0.059 (o)	0.012	0.17 (o)		
1/30/2008	0.11 (O)					
1/31/2008		0.0067	0.052 (O)	0.012		
3/10/2008	0.038		0.01			
3/11/2008		0.03 (o)		0.063 (o)		
5/6/2008		0.0062				
5/13/2008	0.012		0.0068			
5/14/2008				0.057 (o)		
12/4/2008		0.009	0.0017			
12/5/2008	<0.01			<0.01		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		0.0022	<0.01			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	0.0065	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						0.0014
10/4/2010		<0.01				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						0.0014
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	0.0019					
4/15/2013		0.0013				
10/15/2013		0.0023				<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	0.0024		<0.01	0.0013		
4/10/2014			<0.01			0.0013 (J)
4/11/2014	0.0013 (J)					
4/22/2014		<0.01				
4/23/2014				<0.01		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				<0.01		
3/30/2015	0.0047	0.0011 (J)	<0.01			<0.01
3/31/2015				<0.01		
10/11/2015						<0.01
10/12/2015				<0.01		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
5/19/2016	<0.01		<0.01			
5/20/2016		<0.01				
5/23/2016				<0.01		<0.01
7/29/2016	<0.01	<0.01	<0.01	<0.01		
8/1/2016						<0.01
9/22/2016			<0.01	0.0013 (J)		
9/23/2016	<0.01	<0.01				
9/26/2016						<0.01
11/9/2016	0.0011 (J)	<0.01				
11/10/2016			<0.01	<0.01		<0.01
1/30/2017	<0.01					<0.01
1/31/2017		<0.01	<0.01	<0.01		
2/22/2017					<0.01	
3/30/2017	<0.01	<0.01		<0.01		
4/3/2017			<0.01			
4/7/2017					<0.01	<0.01
6/9/2017	<0.01		<0.01			
6/12/2017		0.0008 (J)		<0.01		<0.01
6/14/2017					<0.01	
7/12/2017					<0.01	
7/20/2017					<0.01	
7/28/2017					<0.01	
8/9/2017					<0.01	
8/24/2017					<0.01	
10/2/2017	<0.01	<0.01	<0.01			<0.01
10/3/2017					<0.01	
10/4/2017				<0.01		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		0.0031 (J)		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			<0.01		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		<0.01		
3/21/2019					<0.01	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.01	<0.01 (D)			<0.01	
9/13/2019			<0.01	0.00073 (J)		<0.01
3/11/2020	0.0012 (J)	0.0025 (J)	0.0042 (J)	0.00095 (J)		0.0011 (J)
3/12/2020					<0.01	
9/15/2020	<0.01	0.00086 (J)	<0.01			
9/16/2020						<0.01
9/17/2020					<0.01	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		0.0015	0.036 (o)	<0.01	0.037	0.0013
11/1/2007		0.011	0.01	<0.01	0.04	<0.01
11/18/2007				<0.01	0.045	
11/19/2007						0.0056
11/20/2007		0.042	0.0039			
1/16/2008						0.039
1/30/2008		0.034	0.019 (o)	<0.01	0.041	
3/5/2008				<0.01		0.03
3/6/2008		0.027	<0.01		0.042	
5/7/2008				0.025	0.029	
5/8/2008			0.01			
5/12/2008		0.015				
5/13/2008						0.0057
12/12/2008	<0.01					
12/13/2008		0.0036				<0.01
12/14/2008			0.0038	0.0021	0.032	
4/16/2009						<0.01
4/23/2009	0.0031					
4/29/2009		<0.01	<0.01	0.011	0.017	
10/6/2009	0.0024					
10/20/2009		<0.01				
10/21/2009			<0.01			0.0015
10/22/2009				0.01	0.022	
4/21/2010			<0.01	0.0053	0.021	
4/26/2010		<0.01				
4/27/2010						0.0036
5/3/2010	<0.01					
9/28/2010			<0.01	0.0076		
9/29/2010		0.0034			0.024	
10/5/2010						<0.01
10/11/2010	0.0028					
4/12/2011			<0.01	0.0095		
4/13/2011		<0.01			0.014	
4/19/2011						0.003
4/27/2011	0.0041					
10/4/2011			0.0019	0.0091	0.017	
10/5/2011		0.0032				
10/12/2011						<0.01
10/19/2011	<0.01					
4/3/2012			<0.01	0.0076		
4/4/2012		<0.01			0.014	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	0.0019					<0.01
10/3/2012		0.0047		0.0039	0.0033	
10/8/2012			<0.01			
4/2/2013						0.0018
4/3/2013		0.0014	<0.01	<0.01	0.017	
4/10/2013	0.0027					
10/9/2013				0.0089	0.015	<0.01
10/15/2013		0.002	<0.01			
10/16/2013	0.0029					

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.01
4/2/2014				<0.01	0.014	
4/9/2014		<0.01	<0.01			
4/22/2014	0.0024					
10/1/2014	<0.01					
10/2/2014		<0.01	<0.01	<0.01	0.0048	<0.01
3/30/2015	0.0022					
4/1/2015				0.0062	0.0084	<0.01
4/2/2015		<0.01	<0.01			
10/10/2015		0.0013				
10/11/2015	<0.01			<0.01	0.019	
10/12/2015			<0.01			
10/14/2015						<0.01
3/28/2016	<0.01					
3/31/2016		<0.01	<0.01			
4/4/2016				0.00656 (J)	0.00728 (J)	<0.01
5/25/2016	<0.01					
5/26/2016		<0.01	<0.01	0.00752 (J)	0.00553 (J)	
5/27/2016						<0.01
8/1/2016	<0.01					
8/3/2016			<0.01	0.0067 (J)		<0.01
8/4/2016					0.0071 (J)	
8/5/2016		<0.01				
9/26/2016	<0.01					
9/28/2016		<0.01	<0.01	0.0082 (J)	0.0093 (J)	
9/30/2016						<0.01
11/11/2016	<0.01					
11/22/2016		0.0024 (J)	<0.01	0.0045 (J)	0.0058 (J)	<0.01
1/30/2017	<0.01					
2/7/2017		0.0015 (J)	0.0019 (J)			
2/8/2017				0.0101	0.0072 (J)	
2/13/2017						<0.01
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	0.0094 (J)	<0.01	
4/11/2017						<0.01
6/12/2017	0.0005 (J)					
6/14/2017		0.0006 (J)	<0.01			<0.01
6/15/2017				0.009 (J)	0.0066 (J)	
10/2/2017	<0.01					
10/4/2017		0.0027 (J)	<0.01	0.0008 (J)	0.0079 (J)	<0.01
3/16/2018	<0.01					
3/20/2018		<0.01				
3/21/2018			<0.01	0.0079 (J)		
3/22/2018					0.0062 (J)	<0.01
9/18/2018	<0.01	<0.01	<0.01	0.0081 (J)	0.0062 (J)	<0.01
3/19/2019	<0.01					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	0.0048 (J)	<0.01
9/12/2019	<0.01					
9/17/2019		0.0009 (J)	0.00067 (J)	0.0079 (J)	0.0042 (J)	0.0033 (D)
3/11/2020	<0.01					
3/12/2020		0.00047 (J)	<0.01	0.00084 (J)	0.0042 (J)	<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/15/2020	<0.01					
9/17/2020		0.0011 (J)	<0.01			
9/21/2020				0.0081 (J)	0.0056 (J)	<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	0.0019	<0.01				
8/23/2007					0.014	0.0076
8/24/2007			0.083 (o)	0.061 (o)		
10/25/2007						0.015
11/1/2007	0.01	0.0042				
11/2/2007			0.0071	0.078 (o)	0.0036	
11/17/2007			0.012		0.031 (o)	
11/18/2007				0.085 (o)		
11/19/2007	0.021	0.0049				0.013
1/15/2008			0.043	0.079 (o)	0.011	
1/23/2008						0.032
1/31/2008	0.035	<0.01				
3/5/2008	0.012	<0.01	0.0044			
3/6/2008					0.0027	
3/10/2008				0.062 (o)		
3/11/2008						0.024
5/7/2008		<0.01	0.0084		0.008	
5/12/2008	0.02					0.016
5/13/2008				0.044 (o)		
12/2/2008			0.0056	0.027	0.0059	
12/11/2008						0.013
12/12/2008		0.019 (o)				
12/13/2008	0.014					
4/15/2009						0.0073
4/16/2009			0.0042			
4/28/2009	0.0079			0.016	<0.01	
4/29/2009		0.002				
10/9/2009						0.0037
10/19/2009					<0.01	
10/20/2009			0.0037	0.018		
10/21/2009	0.0092	0.002				
4/20/2010			<0.01			
4/27/2010				0.012	<0.01	
4/28/2010	0.0086	0.0049				
5/4/2010						<0.01
9/29/2010			0.0028			
10/4/2010					0.0013	
10/5/2010	0.0085			0.0067		
10/6/2010		<0.01				
10/12/2010						0.0023
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	0.0089			0.0081		
4/20/2011		<0.01				
4/28/2011						0.002
10/4/2011			0.0015			
10/12/2011		<0.01		<0.01	0.0014	
10/18/2011	0.0093					
10/19/2011						0.0015
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	0.0075	<0.01		<0.01		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	0.017	0.0015				
10/9/2012						<0.01
10/10/2012			0.0029	<0.01	<0.01	
4/2/2013	0.0097	0.0017				
4/11/2013						0.0015
4/15/2013			0.0036		0.0021	
4/16/2013				0.0029		
10/8/2013	0.011	<0.01				
10/16/2013						<0.01
10/22/2013			0.0048	<0.01	<0.01	
4/1/2014	0.0074	<0.01				
4/21/2014			0.0043	<0.01	0.0013 (J)	
4/23/2014						0.0013 (J)
9/30/2014			0.0037	<0.01	<0.01	
10/1/2014	0.0049	<0.01				
10/3/2014						<0.01
3/31/2015		<0.01				<0.01
4/1/2015	0.0072					
4/3/2015			0.016	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			0.0092		<0.01	
10/12/2015						<0.01
10/14/2015		<0.01				
10/15/2015	0.0077					
3/28/2016						<0.01
4/4/2016	0.00615 (J)	<0.01 (D)				
4/5/2016			0.019 (J)	<0.01	<0.01	
5/25/2016						<0.01
5/31/2016	0.00588 (J)			<0.01	<0.01	
6/1/2016		<0.01 (D)	0.006 (J)			
8/1/2016						<0.01
8/4/2016	0.0056 (J)				<0.01	
8/9/2016			0.0061 (JD)			
9/27/2016						<0.01
9/29/2016	0.0065 (J)				<0.01	
11/11/2016						<0.01
11/23/2016				<0.01	<0.01	
11/28/2016	0.0064 (J)		<0.01			
1/31/2017						<0.01
2/9/2017	0.0078 (J)		<0.01			
2/10/2017				<0.01	<0.01	
2/22/2017		0.0012 (J)				
4/3/2017						<0.01
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	0.0077 (J)				<0.01	
6/12/2017						0.0005 (J)
6/14/2017			0.0006 (J)			
6/15/2017				0.0005 (J)	0.0005 (J)	
6/16/2017	0.0072 (J)	<0.01				
7/12/2017		<0.01	0.0005 (J)	0.0008 (J)		
7/26/2017				0.0006 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		<0.01				
8/10/2017		<0.01				
10/3/2017						<0.01
10/5/2017			0.0006 (J)			
10/6/2017		<0.01		0.0008 (J)	<0.01	
10/9/2017	0.0079 (J)					
3/19/2018						<0.01
3/21/2018	0.0055 (J)					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	0.0059 (J)		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	0.0058 (J)					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			0.00046 (X)	0.00064 (X)	0.00044 (J)	
9/18/2019	0.0063 (J)	<0.01				
3/13/2020	0.0054 (J)		0.00093 (J)	0.0012 (J)	0.0011 (J)	
3/16/2020						0.00078 (J)
3/17/2020		0.002 (J)				
9/16/2020						<0.01
9/21/2020			<0.01	0.00089 (J)	0.0016 (J)	
9/22/2020	0.0062 (J)	<0.01				

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	0.002					
11/1/2007						0.0061
11/19/2007						0.018 (J)
11/20/2007	0.017					
1/15/2008						0.078 (o)
1/23/2008	0.064 (o)					
3/6/2008						0.054 (o)
3/11/2008	0.013					
5/13/2008						0.0085
5/14/2008	0.027					
12/11/2008	<0.01					
12/12/2008						0.0023
4/16/2009						<0.01
4/23/2009	<0.01					
10/9/2009	0.0014					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	0.0027					
4/13/2011						<0.01
4/26/2011	0.0015					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	0.0013					
10/8/2013	0.0017					
10/9/2013				0.0019		0.0013
4/9/2014						<0.01
4/10/2014				0.0034		
4/14/2014	0.004					
9/30/2014						<0.01
10/2/2014				0.0056		
10/3/2014	0.0017					
4/1/2015	0.0027					
4/2/2015						<0.01
4/3/2015				0.0022		
5/26/2015		0.0015			<0.01	
6/18/2015		0.0013 (D)			0.0024 (D)	
7/2/2015		0.0014			<0.01	
10/8/2015				0.0033	<0.01	
10/9/2015	0.0016	0.0015				
10/10/2015						0.000825 (D)
3/22/2016					0.048 (o)	
3/29/2016	0.00738 (J)	<0.01				

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.0228 (o)		<0.01
5/24/2016	0.00263 (J)	<0.01		<0.01		
5/25/2016					0.00441 (J)	
5/26/2016						<0.01
5/31/2016			<0.01			
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
9/26/2016	0.0014 (J)	0.002 (J)			0.002 (J)	
9/27/2016			<0.01	<0.01		
9/28/2016						<0.01
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			<0.01		0.0017 (J)	<0.01
11/22/2016				<0.01		
2/1/2017	0.0024 (J)	0.0017 (J)	<0.01			
2/3/2017					0.0018 (J)	
2/6/2017				<0.01		<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
6/13/2017	0.0031 (J)	0.0015 (J)	<0.01		0.0019 (J)	<0.01
6/14/2017				0.0009 (J)		
7/14/2017			<0.01			
10/3/2017	0.0025 (J)	0.0018 (J)	<0.01		0.0022 (J)	<0.01
10/4/2017				<0.01		
3/19/2018	0.0035 (J)					
3/20/2018		0.0017 (J)	<0.01		0.0017 (J)	<0.01
3/21/2018				<0.01		
9/17/2018	0.0024 (J)	0.002 (J)				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	0.0029 (J)	0.0025 (J)	<0.01			<0.01
3/27/2019				0.0021 (J)		
5/6/2019					0.0048 (J)	
9/13/2019			<0.01			
9/16/2019	0.002 (J)	0.002 (J)		0.000465 (JD)	0.002 (J)	<0.01
3/12/2020	0.0034 (J)	0.0028 (J)	0.0014 (J)	0.0031 (J)		0.00045 (J)
3/16/2020					0.0015 (J)	
9/16/2020	0.0022 (J)	0.0023 (J)	<0.01			
9/17/2020				0.00086 (J)	0.0017 (J)	<0.01

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	0.0033		
10/23/2007	<0.01					
10/24/2007		0.013	<0.01			
11/2/2007				0.0046		
11/18/2007	<0.01	0.0041	<0.01	0.0057		
1/30/2008	0.0045					
1/31/2008		<0.01	0.0083 (O)	0.0055		
3/10/2008	<0.01		<0.01			
3/11/2008		<0.01		0.0033		
5/6/2008		<0.01				
5/13/2008	<0.01		<0.01			
5/14/2008				0.0044		
12/4/2008		0.012	<0.01			
12/5/2008	<0.01			0.0035		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		<0.01	<0.01			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	0.0041	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		<0.01				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						<0.01
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		<0.01				<0.01

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	<0.01		
4/10/2014			<0.01			<0.01
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				0.0013 (J)		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				0.00081 (J)		
3/30/2015	0.0012 (J)	<0.01	<0.01			<0.01
3/31/2015				0.0021		
10/11/2015						<0.01
10/12/2015				0.00078 (J)		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
5/19/2016	<0.01		<0.01			
5/20/2016		<0.01				
5/23/2016				<0.01		<0.01
7/29/2016	0.0004 (J)	<0.01	<0.01	0.0007 (J)		
8/1/2016						<0.01
9/22/2016			<0.01	0.0007 (J)		
9/23/2016	<0.01	<0.01				
9/26/2016						<0.01
11/9/2016	<0.01	<0.01				
11/10/2016			<0.01	0.0007 (J)		<0.01
1/30/2017	<0.01					<0.01
1/31/2017		<0.01	<0.01	0.0007 (J)		
2/22/2017					<0.01	
3/30/2017	<0.01	<0.01		0.0007 (J)		
4/3/2017			<0.01			
4/7/2017					0.0018 (J)	<0.01
6/9/2017	<0.01		<0.01			
6/12/2017		<0.01		0.0007 (J)		<0.01
6/14/2017					0.0045 (J)	
7/12/2017					0.0046 (J)	
7/20/2017					0.0109	
7/28/2017					0.0104	
8/9/2017					0.0022 (J)	
8/24/2017					0.0076 (J)	
10/2/2017	<0.01	<0.01	<0.01			<0.01
10/3/2017					0.0028 (J)	
10/4/2017				0.0006 (J)		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		0.00059 (J)		
3/21/2018					0.014	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			0.00057 (J)		<0.01
9/18/2018					0.017	
3/19/2019			<0.01			<0.01
3/20/2019	0.00078 (J)	<0.01		<0.01		
3/21/2019					0.022	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	0.00047 (J)	<0.01 (D)			0.02	
9/13/2019			<0.01	0.00046 (J)		<0.01
3/11/2020	0.00037 (J)	<0.01	<0.01	0.00041 (J)		<0.01
3/12/2020					0.013	
9/15/2020	0.00048 (J)	<0.01	0.001 (J)			
9/16/2020						<0.01
9/17/2020					0.019	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	0.0031	<0.01	<0.01
11/1/2007		<0.01	<0.01	0.0034	<0.01	0.0041
11/18/2007				0.0045	<0.01	
11/19/2007						0.0055
11/20/2007		0.0046	<0.01			
1/16/2008						0.008
1/30/2008		0.0079	<0.01	0.0027	<0.01	
3/5/2008				<0.01		0.98 (o)
3/6/2008		0.0037	<0.01		0.11 (o)	
5/7/2008				<0.01	<0.01	
5/8/2008			<0.01			
5/12/2008		<0.01				
5/13/2008						0.01
12/12/2008	<0.01					
12/13/2008		0.013				0.0073
12/14/2008			<0.01	<0.01	<0.01	
4/16/2009						0.0033
4/23/2009	0.0029					
4/29/2009		<0.01	<0.01	<0.01	<0.01	
10/6/2009	<0.01					
10/20/2009		<0.01				
10/21/2009			<0.01			0.0039
10/22/2009				<0.01	<0.01	
4/21/2010			<0.01	<0.01	<0.01	
4/26/2010		<0.01				
4/27/2010						0.0044
5/3/2010	<0.01					
9/28/2010			<0.01	<0.01		
9/29/2010		<0.01			<0.01	
10/5/2010						0.005
10/11/2010	<0.01					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						0.0039
4/27/2011	0.0028					
10/4/2011			<0.01	<0.01	<0.01	
10/5/2011		<0.01				
10/12/2011						0.0032
10/19/2011	<0.01					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	<0.01					<0.01
10/3/2012		0.0018		0.0037	<0.01	
10/8/2012			<0.01			
4/2/2013						0.0038
4/3/2013		0.0014	<0.01	<0.01	<0.01	
4/10/2013	0.0014					
10/9/2013				<0.01	<0.01	0.003
10/15/2013		0.0018	<0.01			
10/16/2013	0.0014					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.0027
4/2/2014				0.0036	<0.01	
4/9/2014		0.0013 (J)	<0.01			
4/22/2014	0.0013					
10/1/2014	<0.01					
10/2/2014		<0.01	<0.01	0.016	<0.01	0.0027
3/30/2015	0.00079 (J)					
4/1/2015				<0.01	0.0026	0.0028
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	<0.01			<0.01	0.00065 (J)	
10/12/2015			<0.01			
10/14/2015						0.003
3/28/2016	<0.01					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	<0.01	0.00351 (J)
5/25/2016	<0.01					
5/26/2016		<0.01	<0.01	<0.01	<0.01	
5/27/2016						0.00332 (J)
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		0.003 (J)
8/4/2016					<0.01	
8/5/2016		<0.01				
9/26/2016	<0.01					
9/28/2016		<0.01	<0.01	<0.01	<0.01	
9/30/2016						0.0035 (J)
11/11/2016	<0.01					
11/22/2016		0.0006 (J)	<0.01	<0.01	<0.01	0.0027 (J)
1/30/2017	<0.01					
2/7/2017		0.0017 (J)	<0.01			
2/8/2017				<0.01	<0.01	
2/13/2017						0.003 (J)
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						0.0031 (J)
6/12/2017	<0.01					
6/14/2017		<0.01	<0.01			0.0031 (J)
6/15/2017				<0.01	<0.01	
10/2/2017	<0.01					
10/4/2017		<0.01	<0.01	<0.01	<0.01	0.0032 (J)
3/16/2018	<0.01					
3/20/2018		0.0021 (J)				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	0.0033 (J)
9/18/2018	<0.01	<0.01	<0.01	<0.01	<0.01	0.0031 (J)
3/19/2019	<0.01					
3/22/2019		0.0011 (J)	<0.01			
3/23/2019				<0.01	<0.01	0.0032 (J)
9/12/2019	<0.01					
9/17/2019		<0.01	<0.01	<0.01	<0.01	0.00305 (D)
3/11/2020	<0.01					
3/12/2020		0.0017 (J)	<0.01	<0.01	<0.01	0.0031 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/15/2020	<0.01					
9/17/2020		<0.01	<0.01			
9/21/2020				<0.01	<0.01	0.0029 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	0.01	<0.01				
8/23/2007					<0.01	<0.01
8/24/2007			<0.01	<0.01		
10/25/2007						<0.01
11/1/2007	<0.01	<0.01				
11/2/2007			<0.01	<0.01	<0.01	
11/17/2007			0.0039		<0.01	
11/18/2007				<0.01		
11/19/2007	<0.01	<0.01				<0.01
1/15/2008			<0.01	0.0029	<0.01	
1/23/2008						0.0073
1/31/2008	0.0037	<0.01				
3/5/2008	<0.01	<0.01	0.005			
3/6/2008					<0.01	
3/10/2008				0.069 (o)		
3/11/2008						0.0025
5/7/2008		<0.01	<0.01		<0.01	
5/12/2008	<0.01					<0.01
5/13/2008				<0.01		
12/2/2008			0.011	0.0027	<0.01	
12/11/2008						<0.01
12/12/2008		0.0079				
12/13/2008	0.011					
4/15/2009						<0.01
4/16/2009			0.005			
4/28/2009	<0.01			<0.01	<0.01	
4/29/2009		<0.01				
10/9/2009						<0.01
10/19/2009					<0.01	
10/20/2009			0.0074	<0.01		
10/21/2009	<0.01	<0.01				
4/20/2010			<0.01			
4/27/2010				<0.01	<0.01	
4/28/2010	<0.01	<0.01				
5/4/2010						<0.01
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			<0.01		
10/6/2010		<0.01				
10/12/2010						<0.01
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	<0.01			<0.01		
4/20/2011		<0.01				
4/28/2011						<0.01
10/4/2011			<0.01			
10/12/2011		<0.01		<0.01	<0.01	
10/18/2011	<0.01					
10/19/2011						<0.01
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	<0.01	<0.01				
10/9/2012						0.0024
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						0.002
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						0.0023
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	<0.01	<0.01				
4/21/2014			<0.01	<0.01	<0.01	
4/23/2014						0.003
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						0.0034
3/31/2015		<0.01				0.00079 (J)
4/1/2015	<0.01					
4/3/2015			<0.01	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			<0.01		<0.01	
10/12/2015						0.00063 (J)
10/14/2015		<0.01				
10/15/2015	0.00051 (J)					
3/28/2016						<0.01
4/4/2016	<0.01	<0.01				
4/5/2016			<0.01	<0.01	<0.01	
5/25/2016						<0.01
5/31/2016	<0.01			<0.01	<0.01	
6/1/2016		<0.01	<0.01			
8/1/2016						0.0005 (J)
8/4/2016	<0.01				<0.01	
8/9/2016			0.0003 (J)			
9/27/2016						<0.01
9/29/2016	<0.01				<0.01	
11/11/2016						0.0006 (J)
11/23/2016				<0.01	<0.01	
11/28/2016	<0.01		<0.01			
1/31/2017						0.0007 (J)
2/9/2017	<0.01		<0.01			
2/10/2017				<0.01	<0.01	
2/22/2017		<0.01				
4/3/2017						0.0005 (J)
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	<0.01				0.0006 (J)	
6/12/2017						0.0004 (J)
6/14/2017			<0.01			
6/15/2017				<0.01	0.0004 (J)	
6/16/2017	<0.01	<0.01				
7/12/2017		<0.01	<0.01	<0.01		
7/26/2017				<0.01		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		<0.01				
8/10/2017		<0.01				
10/3/2017						0.0003 (J)
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	<0.01	
10/9/2017	<0.01					
3/19/2018						<0.01
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	<0.01		0.00058 (J)	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			<0.01	<0.01	<0.01	
9/18/2019	0.0005 (J)	<0.01				
3/13/2020	<0.01		<0.01	<0.01	<0.01	
3/16/2020						0.00031 (J)
3/17/2020		<0.01				
9/16/2020						<0.01
9/21/2020			<0.01	<0.01	<0.01	
9/22/2020	<0.01	<0.01				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	0.0038					
11/1/2007						<0.01
11/19/2007						0.0034
11/20/2007	<0.01					
1/15/2008						0.0067
1/23/2008	0.0047					
3/6/2008						0.13 (o)
3/11/2008	<0.01					
5/13/2008						<0.01
5/14/2008	<0.01					
12/11/2008	<0.01					
12/12/2008						0.0042
4/16/2009						0.0047
4/23/2009	<0.01					
10/9/2009	<0.01					
10/13/2009						0.0037
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	<0.01					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		0.0013
4/9/2014						0.0013 (J)
4/10/2014				0.0013 (J)		
4/14/2014	0.0013 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.00071 (J)					
4/1/2015	<0.01					
4/2/2015						0.00064 (J)
4/3/2015				<0.01		
5/26/2015		<0.01			0.0018	
6/18/2015		<0.01 (D)			0.0018 (D)	
7/2/2015		<0.01			0.0013	
10/8/2015				0.0014	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.0015 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
5/24/2016	<0.01	<0.01		<0.01		
5/25/2016					<0.01	
5/26/2016						<0.01
5/31/2016			<0.01			
8/1/2016	<0.01	<0.01				
8/2/2016			0.0018 (J)	<0.01	<0.01	
8/5/2016						<0.01
9/26/2016	<0.01	<0.01			<0.01	
9/27/2016			0.0011 (J)	<0.01		
9/28/2016						<0.01
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			0.0008 (J)		<0.01	<0.01
11/22/2016				<0.01		
2/1/2017	<0.01	<0.01	0.0008 (J)			
2/3/2017					<0.01	
2/6/2017				<0.01		<0.01
4/6/2017	<0.01	<0.01	0.0008 (J)	<0.01		<0.01
4/7/2017					<0.01	
6/13/2017	<0.01	<0.01	0.0007 (J)		<0.01	<0.01
6/14/2017				<0.01		
7/14/2017			0.0005 (J)			
10/3/2017	<0.01	<0.01	0.0007 (J)		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	0.00076 (J)		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			0.00055 (J)	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	0.00059 (J)			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			0.00099 (J)			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	0.00031 (J)	<0.01		0.00044 (J)
3/16/2020					<0.01	
9/16/2020	<0.01	<0.01	0.00072 (J)			
9/17/2020				<0.01	<0.01	<0.01

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	0.0066	<0.025	0.0036	0.017		
10/23/2007	0.0076					
10/24/2007		0.0088	<0.025			
11/2/2007				0.016		
11/18/2007	0.0055 (J)	0.0075	0.013	0.048		
1/30/2008	0.0094					
1/31/2008		<0.025	0.0069	0.039		
3/10/2008	0.0056		0.0044			
3/11/2008		0.0068		0.037		
5/6/2008		<0.025				
5/13/2008	0.0027		0.0033			
5/14/2008				0.051		
12/4/2008		0.013	<0.025			
12/5/2008	<0.025			0.038		
12/12/2008						0.018
4/15/2009	<0.025			0.033		
4/21/2009		<0.025	<0.025			
4/23/2009						0.013
10/6/2009						0.012
10/7/2009	0.0076	<0.025				
10/8/2009			<0.025	0.037		
4/21/2010			<0.025			
4/26/2010		<0.025				
4/27/2010						0.0095
4/28/2010				0.037		
5/3/2010	<0.025					
9/28/2010			<0.025			
9/30/2010						0.0087
10/4/2010		0.0027				
10/6/2010				0.041		
10/12/2010	<0.025					
4/12/2011			<0.025			
4/13/2011		0.0029				
4/14/2011						0.0061
4/21/2011				0.034		
4/27/2011	<0.025					
10/4/2011			<0.025			
10/5/2011		<0.025				<0.025
10/13/2011				0.048		
10/17/2011	<0.025					
4/3/2012			<0.025			
4/11/2012		<0.025				<0.025
5/1/2012				0.0427		
5/2/2012	<0.025					
10/2/2012						<0.025
10/8/2012	<0.025					
10/9/2012		<0.025	<0.025	0.038		
4/9/2013						0.0053
4/11/2013			<0.025	0.038		
4/12/2013	<0.025					
4/15/2013		<0.025				
10/15/2013		<0.025				0.0076

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.025		<0.025	0.036		
4/10/2014			0.005 (J)			0.005
4/11/2014	0.005 (J)					
4/22/2014		<0.025				
4/23/2014				0.03		
9/30/2014	<0.025	<0.025	<0.025			
10/1/2014						0.0047 (J)
10/4/2014				0.029		
3/30/2015	0.0033 (J)	<0.025	<0.025			0.0048 (J)
3/31/2015				0.026		
10/11/2015						0.0055
10/12/2015				0.05		
10/13/2015	0.0013 (J)	<0.025	<0.025			
3/22/2016	<0.025					
3/23/2016		<0.025	<0.025	0.0297		
3/28/2016						<0.025
7/29/2016	<0.025	0.0032 (J)	0.0006 (J)	0.0419		
8/1/2016						0.0025 (J)
3/30/2017	0.0004 (J)	<0.025		0.0392		
4/3/2017			0.0004 (J)			
4/7/2017					0.0004 (J)	0.003 (J)
10/2/2017	0.0003 (J)	<0.025	0.0003 (J)			0.0031 (J)
10/3/2017					<0.025	
10/4/2017				0.0343		
3/16/2018	<0.025		<0.025			0.0037 (J)
3/19/2018		0.0025 (J)		0.033		
3/21/2018					<0.025	
9/14/2018		<0.025	<0.025			
9/17/2018	<0.025 (D)			0.033		0.0028 (J)
9/18/2018					<0.025	
3/19/2019			<0.025			0.0023 (J)
3/20/2019	<0.025	<0.025		0.026		
3/21/2019					<0.025	
9/12/2019	<0.025	0.01273 (D)			0.00045 (J)	
9/13/2019			0.00055 (J)	0.026		0.0023 (J)
3/11/2020	<0.025	0.0002 (J)	0.0011 (J)	0.027		0.0026 (J)
3/12/2020					0.0002 (J)	
9/15/2020	<0.025	<0.025	<0.025			
9/16/2020						0.0018 (J)
9/17/2020					<0.025	

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		0.0058	0.007	<0.025	0.0032	<0.025
11/1/2007		<0.025	<0.025	<0.025	0.0031	<0.025
11/18/2007				<0.025	<0.025	
11/19/2007						0.0029
11/20/2007		0.006	0.0032			
1/16/2008						0.0067
1/30/2008		0.0037	0.0039	<0.025	<0.025	
3/5/2008				<0.025		0.0058
3/6/2008		0.004	<0.025		<0.025	
5/7/2008				0.0037	0.0029	
5/8/2008			0.0039			
5/12/2008		<0.025				
5/13/2008						<0.025
12/12/2008	0.064 (O)					
12/13/2008		0.0051				<0.025
12/14/2008			0.0046	<0.025	<0.025	
4/16/2009						0.0032
4/23/2009	0.034					
4/29/2009		0.003	<0.025	<0.025	<0.025	
10/6/2009	0.026					
10/20/2009		<0.025				
10/21/2009			<0.025			<0.025
10/22/2009				<0.025	<0.025	
4/21/2010			<0.025	<0.025	<0.025	
4/26/2010		<0.025				
4/27/2010						0.0034
5/3/2010	0.014					
9/28/2010			<0.025	0.0028		
9/29/2010		<0.025			<0.025	
10/5/2010						<0.025
10/11/2010	0.014					
4/12/2011			<0.025	<0.025		
4/13/2011		<0.025			<0.025	
4/19/2011						<0.025
4/27/2011	0.028					
10/4/2011			<0.025	0.013	<0.025	
10/5/2011		<0.025				
10/12/2011						<0.025
10/19/2011	<0.025					
4/3/2012			<0.025	<0.025		
4/4/2012		<0.025			<0.025	
4/24/2012						<0.025
5/1/2012	0.0198					
10/2/2012	0.011					<0.025
10/3/2012		<0.025		<0.025	<0.025	
10/8/2012			<0.025			
4/2/2013						0.0063
4/3/2013		<0.025	<0.025	<0.025	<0.025	
4/10/2013	0.018					
10/9/2013				<0.025	<0.025	<0.025
10/15/2013		<0.025	<0.025			
10/16/2013	0.016					

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.025
4/2/2014				<0.025	0.005 (J)	
4/9/2014		<0.025	<0.025			
4/22/2014	0.014					
10/1/2014	0.0041 (J)					
10/2/2014		<0.025	<0.025	0.00084 (J)	0.0022 (J)	<0.025
3/30/2015	0.012					
4/1/2015				<0.025	0.019	<0.025
4/2/2015		<0.025	<0.025			
10/10/2015		0.0027 (J)				
10/11/2015	0.0049 (J)			<0.025	0.013	
10/12/2015			<0.025			
10/14/2015						0.0017 (J)
3/28/2016	0.00734 (J)					
3/31/2016		<0.025	<0.025			
4/4/2016				<0.025	<0.025	<0.025
8/1/2016	0.0049 (J)					
8/3/2016			<0.025	<0.025		<0.025
8/4/2016					<0.025	
8/5/2016		<0.025				
4/3/2017	0.0023 (J)					
4/10/2017		<0.025	<0.025	<0.025	<0.025	
4/11/2017						0.0003 (J)
10/2/2017	0.0023 (J)					
10/4/2017		<0.025	<0.025	<0.025	<0.025	<0.025
3/16/2018	0.0035 (J)					
3/20/2018		<0.025				
3/21/2018			<0.025	<0.025		
3/22/2018					<0.025	<0.025
9/18/2018	0.0041 (J)	<0.025	<0.025	<0.025	<0.025	<0.025
3/19/2019	0.0029 (J)					
3/22/2019		<0.025	<0.025			
3/23/2019				<0.025	<0.025	<0.025
9/12/2019	0.0028 (J)					
9/17/2019		<0.025	0.00029 (J)	<0.025	0.00031 (J)	<0.025 (D)
3/11/2020	0.0035 (J)					
3/12/2020		<0.025	<0.025	0.00023 (J)	0.00032 (J)	<0.025
9/15/2020	0.0031 (J)					
9/17/2020		<0.025	<0.025			
9/21/2020				<0.025	<0.025	<0.025

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.025	<0.025				
8/23/2007					<0.025	0.0064
8/24/2007			0.0048 (J)	0.021		
10/25/2007						0.0081
11/1/2007	<0.025	<0.025				
11/2/2007			<0.025	0.0037	<0.025	
11/17/2007			0.0031		0.02	
11/18/2007				0.007 (J)		
11/19/2007	0.0035	0.0043				0.0059
1/15/2008			0.0033	0.0055	0.0043	
1/23/2008						0.018
1/31/2008	<0.025	<0.025				
3/5/2008	<0.025	<0.025	0.0026			
3/6/2008					<0.025	
3/10/2008				0.0042		
3/11/2008						0.027
5/7/2008		<0.025	0.0028		0.0026	
5/12/2008	<0.025					0.016
5/13/2008				<0.025		
12/2/2008			0.0029	0.0039	<0.025	
12/11/2008						0.016
12/12/2008		0.013				
12/13/2008	0.0028					
4/15/2009						0.017
4/16/2009			0.0035			
4/28/2009	<0.025			<0.025	0.003	
4/29/2009		0.0029				
10/9/2009						0.045
10/19/2009					<0.025	
10/20/2009			0.0056	<0.025		
10/21/2009	<0.025	<0.025				
4/20/2010			<0.025			
4/27/2010				<0.025	<0.025	
4/28/2010	<0.025	0.0032				
5/4/2010						0.031
9/29/2010			<0.025			
10/4/2010					0.0025	
10/5/2010	<0.025			<0.025		
10/6/2010		<0.025				
10/12/2010						0.024
4/12/2011			<0.025			
4/18/2011					<0.025	
4/19/2011	<0.025			<0.025		
4/20/2011		<0.025				
4/28/2011						0.0044
10/4/2011			<0.025			
10/12/2011		<0.025		<0.025	<0.025	
10/18/2011	<0.025					
10/19/2011						0.038
4/4/2012			<0.025			
4/23/2012					<0.025	
4/25/2012	<0.025	<0.025		<0.025		

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						0.0865 (O)
10/2/2012	<0.025	<0.025				
10/9/2012						0.053
10/10/2012			<0.025	<0.025	<0.025	
4/2/2013	<0.025	<0.025				
4/11/2013						0.04
4/15/2013			<0.025		<0.025	
4/16/2013				<0.025		
10/8/2013	<0.025	<0.025				
10/16/2013						0.054
10/22/2013			<0.025	<0.025	<0.025	
4/1/2014	<0.025	0.005 (J)				
4/21/2014			<0.025	0.005 (J)	<0.025	
4/23/2014						0.054
9/30/2014			<0.025	<0.025	<0.025	
10/1/2014	<0.025	<0.025				
10/3/2014						0.066
3/31/2015		<0.025				0.025
4/1/2015	<0.025					
4/3/2015			<0.025	<0.025	<0.025	
10/6/2015				<0.025		
10/7/2015			0.0012 (J)		0.00093 (J)	
10/12/2015						0.018
10/14/2015		<0.025				
10/15/2015	<0.025					
3/28/2016						0.0256
4/4/2016	<0.025	<0.025				
4/5/2016			<0.025	<0.025	<0.025	
8/1/2016						0.0178 (J)
8/4/2016	<0.025				0.0007 (J)	
8/9/2016			<0.025			
4/3/2017						0.0272
4/11/2017		<0.025	<0.025	0.0003 (J)		
4/12/2017	0.0003 (J)				<0.025	
10/3/2017						0.0239 (J)
10/5/2017			<0.025			
10/6/2017		<0.025		<0.025	0.0003 (J)	
10/9/2017	0.0005 (J)					
3/19/2018						0.021 (J)
3/21/2018	<0.025					
3/22/2018			<0.025			
3/23/2018		<0.025		<0.025	<0.025	
9/17/2018						0.018 (J)
9/19/2018	<0.025		<0.025	<0.025	<0.025	
9/20/2018		<0.025				
3/20/2019						0.023 (J)
3/22/2019		<0.025	<0.025	<0.025		
3/23/2019	<0.025					
3/25/2019					<0.025	
9/16/2019						0.016 (J)
9/17/2019			<0.025	<0.025	<0.025	
9/18/2019	0.00057 (J)	0.00021 (X)				

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/13/2020	0.00033 (J)		<0.025	0.0002 (J)	0.00029 (J)	
3/16/2020						0.012 (J)
3/17/2020		0.00045 (J)				
9/16/2020						0.017 (J)
9/21/2020			<0.025	<0.025	<0.025	
9/22/2020	<0.025	<0.025				

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.0033					
8/23/2007						<0.025
10/25/2007	<0.025					
11/1/2007						0.0047
11/19/2007						0.0067 (J)
11/20/2007	0.0052					
1/15/2008						0.01
1/23/2008	0.0069					
3/6/2008						0.007
3/11/2008	0.0029					
5/13/2008						<0.025
5/14/2008	0.0035					
12/11/2008	<0.025					
12/12/2008						0.0048
4/16/2009						0.0042
4/23/2009	0.0038					
10/9/2009	0.0032					
10/13/2009						0.0034
4/21/2010						<0.025
5/4/2010	<0.025					
9/29/2010						<0.025
10/11/2010	0.0029					
4/13/2011						<0.025
4/26/2011	<0.025					
10/5/2011						<0.025
10/18/2011	<0.025			<0.025		
4/4/2012						<0.025
4/30/2012				<0.025		
5/2/2012	<0.025					
10/3/2012				<0.025		
10/8/2012	<0.025					<0.025
4/8/2013				<0.025		<0.025
4/10/2013	<0.025					
10/8/2013	<0.025					
10/9/2013				<0.025		<0.025
4/9/2014						<0.025
4/10/2014				<0.025		
4/14/2014	0.005 (J)					
9/30/2014						<0.025
10/2/2014				<0.025		
10/3/2014	0.00091 (J)					
4/1/2015	0.0011 (J)					
4/2/2015						<0.025
4/3/2015				<0.025		
5/26/2015		<0.025			<0.025	
6/18/2015		<0.025 (D)			0.005 (D)	
7/2/2015		<0.025			<0.025	
10/8/2015				0.002 (J)	0.00091 (J)	
10/9/2015	<0.025	<0.025				
10/10/2015						0.00345 (D)
3/22/2016					<0.025	
3/29/2016	<0.025	<0.025				

Time Series

Constituent: Copper (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.025		<0.025
8/1/2016	<0.025	<0.025				
8/2/2016			<0.025	<0.025	<0.025	
8/5/2016						<0.025
4/6/2017	<0.025	<0.025	0.0004 (J)	<0.025		0.0003 (J)
4/7/2017					<0.025	
10/3/2017	<0.025	<0.025	0.0006 (J)		0.0003 (J)	<0.025
10/4/2017				<0.025		
3/19/2018	<0.025					
3/20/2018		<0.025	<0.025		<0.025	<0.025
3/21/2018				<0.025		
9/17/2018	<0.025	<0.025				
9/18/2018			<0.025	<0.025	<0.025	<0.025 (D)
3/21/2019	0.0018 (J)	<0.025	<0.025			<0.025
3/27/2019				<0.025		
5/6/2019					<0.025	
9/13/2019			0.00025 (J)			
9/16/2019	<0.025	<0.025		<0.025 (D)	<0.025	0.00021 (J)
3/12/2020	<0.025	0.00028 (J)	0.00021 (J)	<0.025		0.00031 (J)
3/16/2020					0.00024 (J)	
9/16/2020	<0.025	<0.025	<0.025			
9/17/2020				<0.025	<0.025	<0.025

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	0.0614 (J)					
3/23/2016		0.0477 (J)	0.0826 (J)	<0.3		
3/28/2016						0.0314 (J)
5/19/2016	0.064 (J)		0.0409 (J)			
5/20/2016		0.033 (J)				
5/23/2016				<0.3		0.027 (J)
7/29/2016	0.11 (J)	0.16 (J)	0.07 (J)	<0.3		
8/1/2016						<0.3
9/22/2016			<0.3	<0.3		
9/23/2016	0.03 (J)	0.1 (J)				
9/26/2016						<0.3
11/9/2016	0.1 (J)	0.04 (J)				
11/10/2016			0.03 (J)	<0.3		0.04 (J)
1/30/2017	<0.3					<0.3
1/31/2017		<0.3	<0.3	<0.3		
2/22/2017					0.3	
3/30/2017	0.01 (J)	0.02 (J)		<0.3		
4/3/2017			0.02 (J)			
4/7/2017					0.19 (J)	<0.3
6/9/2017	0.04 (J)		0.06 (J)			
6/12/2017		0.17 (J)		<0.3		0.07 (J)
6/14/2017					0.19 (J)	
7/12/2017					0.18 (J)	
7/20/2017					0.17 (J)	
7/28/2017					0.13 (J)	
8/9/2017					<0.3	
8/24/2017					0.16 (J)	
10/2/2017	0.07 (J)	<0.3	<0.3			<0.3
10/3/2017					0.17 (J)	
10/4/2017				<0.3		
3/16/2018	0.029 (J)		<0.3			<0.3
3/19/2018		1.1 (o)		<0.3		
3/21/2018					0.24 (J)	
9/14/2018		<0.3	<0.3			
9/17/2018	<0.3 (D)			<0.3		<0.3
9/18/2018					<0.3	
3/19/2019			0.056 (J)			<0.3
3/20/2019	<0.3	<0.3		<0.3		
3/21/2019					0.19 (J)	
9/12/2019	0.051 (J)	<0.3 (D)			0.1 (J)	
9/13/2019			0.055 (J)	<0.3		<0.3
3/11/2020	0.052 (J)	<0.3	0.052 (J)	<0.3		<0.3
3/12/2020					0.18 (J)	
9/15/2020	0.05 (J)	<0.3	<0.3			
9/16/2020						<0.3
9/17/2020					0.12 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	0.0326 (J)					
3/31/2016		0.0389 (J)	0.0209 (J)			
4/4/2016				0.0357 (J)	0.022 (J)	0.035 (J)
5/25/2016	0.0285 (J)					
5/26/2016		0.0375 (J)	0.037 (J)	0.042 (J)	0.023 (J)	
5/27/2016						0.032 (J)
8/1/2016	<0.3					
8/3/2016			<0.3	0.04 (J)		<0.3
8/4/2016					0.05 (J)	
8/5/2016		0.03 (J)				
9/26/2016	<0.3					
9/28/2016		<0.3	0.05 (J)	<0.3	<0.3	
9/30/2016						<0.3
11/11/2016	<0.3					
11/22/2016		0.04 (J)	0.04 (J)	0.06 (J)	0.04 (J)	0.03 (J)
1/30/2017	<0.3					
2/7/2017		<0.3	<0.3			
2/8/2017				0.05 (J)	<0.3	
2/13/2017						<0.3
4/3/2017	0.04 (J)					
4/10/2017		<0.3	<0.3	<0.3	<0.3	
4/11/2017						<0.3
6/12/2017	0.06 (J)					
6/14/2017		0.02 (J)	<0.3			0.01 (J)
6/15/2017				0.03 (J)	<0.3	
10/2/2017	<0.3					
10/4/2017		<0.3	<0.3	<0.3	<0.3	<0.3
3/16/2018	<0.3					
3/20/2018		<0.3				
3/21/2018			<0.3	<0.3		
3/22/2018					<0.3	<0.3
9/18/2018	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
3/19/2019	<0.3					
3/22/2019		0.045 (J)	<0.3			
3/23/2019				<0.3	<0.3	<0.3
9/12/2019	<0.3					
9/17/2019		<0.3	<0.3	<0.3	<0.3	<0.3 (D)
3/11/2020	<0.3					
3/12/2020		<0.3	<0.3	<0.3	<0.3	<0.3
9/15/2020	<0.3					
9/17/2020		<0.3	<0.3			
9/21/2020				<0.3	<0.3	<0.3

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/28/2016						0.00421 (J)
4/4/2016	0.026 (J)	0.044 (J)				
4/5/2016			1.78243 (J,o)	0.011 (J)	0.00288 (J)	
5/25/2016						0.0207 (J)
5/31/2016	0.0234 (J)			0.0669 (J)	0.0233 (J)	
6/1/2016		0.0338 (J)	0.0148 (J)			
8/1/2016						<0.3
8/4/2016	0.09 (J)				<0.3	
8/9/2016			0.04 (J)			
9/27/2016						<0.3
9/29/2016	<0.3				<0.3	
11/11/2016						0.04 (J)
11/23/2016				0.03 (J)	0.04 (J)	
11/28/2016	0.08 (J)		0.07 (J)			
1/31/2017						<0.3
2/9/2017	0.24 (J)		0.08 (J)			
2/10/2017				<0.3	<0.3	
2/22/2017		0.22 (J)				
4/3/2017						<0.3
4/11/2017		0.16 (J)	<0.3	<0.3		
4/12/2017	<0.3				<0.3	
6/12/2017						0.02 (J)
6/14/2017			0.01 (J)			
6/15/2017				0.02 (J)	0.06 (J)	
6/16/2017	0.04 (J)	0.2 (J)				
7/12/2017		0.2 (J)	0.05 (J)	0.04 (J)		
7/26/2017				0.03 (J)		
7/28/2017		0.18 (J)				
8/10/2017		<0.3				
10/3/2017						<0.3
10/5/2017			<0.3			
10/6/2017		0.14 (J)		<0.3	<0.3	
10/9/2017	<0.3					
3/19/2018						<0.3
3/21/2018	<0.3					
3/22/2018			<0.3			
3/23/2018		0.24 (J)		<0.3	<0.3	
9/17/2018						<0.3
9/19/2018	<0.3		<0.3	<0.3	<0.3	
9/20/2018		<0.3				
3/20/2019						<0.3
3/22/2019		0.12 (J)	<0.3	<0.3		
3/23/2019	<0.3					
3/25/2019					<0.3	
9/16/2019						<0.3
9/17/2019			<0.3	<0.3	<0.3	
9/18/2019	<0.3	0.17 (X)				
3/13/2020	<0.3		<0.3	<0.3	<0.3	
3/16/2020						<0.3
3/17/2020		0.11 (J)				
9/16/2020						<0.3
9/21/2020			<0.3	<0.3	<0.3	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
9/22/2020	<0.3	0.1 (J)				

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					0.00323 (J)	
3/29/2016	0.0376 (J)	0.00363 (J)				
3/30/2016				0.00345 (J)		0.0518 (J)
5/24/2016	0.023 (J)	0.0286 (J)		0.019 (J)		
5/25/2016					0.0345 (J)	
5/26/2016						0.0307 (J)
5/31/2016			0.043 (J)			
8/1/2016	<0.3	0.08 (J)				
8/2/2016			<0.3	<0.3	0.08 (J)	
8/5/2016						<0.3
9/26/2016	<0.3	<0.3			0.07 (J)	
9/27/2016			<0.3	<0.3		
9/28/2016						<0.3
11/14/2016		0.08 (J)				
11/18/2016	0.02 (J)					
11/21/2016			0.22 (J)		0.07 (J)	0.05 (J)
11/22/2016				0.02 (J)		
2/1/2017	<0.3	<0.3	<0.3			
2/3/2017					<0.3	
2/6/2017				<0.3		<0.3
4/6/2017	<0.3	<0.3	0.008 (J)	<0.3		<0.3
4/7/2017					0.03 (J)	
6/13/2017	0.006 (J)	0.05 (J)	0.03 (J)		0.05 (J)	<0.3
6/14/2017				<0.3		
7/14/2017			0.05 (J)			
10/3/2017	<0.3	<0.3	0.06 (J)		0.1 (J)	<0.3
10/4/2017				<0.3		
3/19/2018	<0.3					
3/20/2018		<0.3	<0.3		<0.3	<0.3
3/21/2018				<0.3		
9/17/2018	<0.3	<0.3				
9/18/2018			<0.3	<0.3	<0.3	<0.3 (D)
3/21/2019	<0.3	<0.3	<0.3			<0.3
3/27/2019				<0.3		
5/6/2019					<0.3	
9/13/2019			<0.3			
9/16/2019	<0.3	<0.3		<0.3 (D)	<0.3	<0.3
3/12/2020	<0.3	<0.3	<0.3	<0.3		<0.3
3/16/2020					<0.3	
9/16/2020	<0.3	<0.3	<0.3			
9/17/2020				<0.3	<0.3	<0.3

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.005	<0.005	<0.005	<0.005		
10/23/2007	<0.005					
10/24/2007		<0.005	<0.005			
11/2/2007				<0.005		
11/18/2007	<0.005	<0.005	<0.005	<0.005		
1/30/2008	<0.005					
1/31/2008		<0.005	<0.005	<0.005		
3/10/2008	<0.005		<0.005			
3/11/2008		<0.005		<0.005		
5/6/2008		<0.005				
5/13/2008	<0.005		<0.005			
5/14/2008				<0.005		
12/4/2008		<0.005	<0.005			
12/5/2008	<0.005			<0.005		
12/12/2008						<0.005
4/15/2009	<0.005			<0.005		
4/21/2009		<0.005	<0.005			
4/23/2009						<0.005
10/6/2009						<0.005
10/7/2009	<0.005	<0.005				
10/8/2009			<0.005	<0.005		
4/21/2010			<0.005			
4/26/2010		<0.005				
4/27/2010						<0.005
4/28/2010				<0.005		
5/3/2010	<0.005					
9/28/2010			<0.005			
9/30/2010						<0.005
10/4/2010		<0.005				
10/6/2010				<0.005		
10/12/2010	<0.005					
4/12/2011			<0.005			
4/13/2011		<0.005				
4/14/2011						<0.005
4/21/2011				<0.005		
4/27/2011	<0.005					
10/4/2011			<0.005			
10/5/2011		<0.005				<0.005
10/13/2011				<0.005		
10/17/2011	<0.005					
4/3/2012			<0.005			
4/11/2012		<0.005				<0.005
5/1/2012				<0.005		
5/2/2012	<0.005					
10/2/2012						<0.005
10/8/2012	<0.005					
10/9/2012		<0.005	<0.005	<0.005		
4/9/2013						<0.005
4/11/2013			<0.005	<0.005		
4/12/2013	<0.005					
4/15/2013		<0.005				
10/15/2013		<0.005				<0.005

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.005		<0.005	<0.005		
4/10/2014			<0.005			<0.005
4/11/2014	<0.005					
4/22/2014		<0.005				
4/23/2014				<0.005		
9/30/2014	<0.005	<0.005	<0.005			
10/1/2014						<0.005
10/4/2014				<0.005		
3/30/2015	0.0028 (J)	<0.005	<0.005			<0.005
3/31/2015				<0.005		
10/11/2015						<0.005
10/12/2015				<0.005		
10/13/2015	<0.005	<0.005	<0.005			
3/22/2016	<0.005					
3/23/2016		<0.005	<0.005	<0.005		
3/28/2016						<0.005
5/19/2016	<0.005		<0.005			
5/20/2016		<0.005				
5/23/2016				<0.005		<0.005
7/29/2016	0.0002 (J)	0.0001 (J)	<0.005	<0.005		
8/1/2016						<0.005
9/22/2016			<0.005	<0.005		
9/23/2016	<0.005	<0.005				
9/26/2016						0.0001 (J)
11/9/2016	0.0004 (J)	<0.005				
11/10/2016			<0.005	<0.005		<0.005
1/30/2017	<0.005					<0.005
1/31/2017		<0.005	<0.005	<0.005		
2/22/2017					0.0002 (J)	
3/30/2017	8E-05 (J)	<0.005		<0.005		
4/3/2017			<0.005			
4/7/2017					<0.005	<0.005
6/9/2017	0.0001 (J)		<0.005			
6/12/2017		<0.005		<0.005		<0.005
6/14/2017					<0.005	
7/12/2017					<0.005	
7/20/2017					<0.005	
7/28/2017					<0.005	
8/9/2017					<0.005	
8/24/2017					<0.005	
10/2/2017	0.0002 (J)	<0.005	<0.005			0.0003 (J)
10/3/2017					<0.005	
10/4/2017				<0.005		
3/16/2018	<0.005		<0.005			<0.005
3/19/2018		<0.005		<0.005		
3/21/2018					<0.005	
9/14/2018		<0.005	<0.005			
9/17/2018	<0.005 (D)			<0.005		<0.005
9/18/2018					<0.005	
3/19/2019			<0.005			<0.005
3/20/2019	<0.005	<0.005		<0.005		
3/21/2019					<0.005	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.005	0.002536 (D)			6.5E-05 (J)	
9/13/2019			<0.005	<0.005		<0.005
3/11/2020	<0.005	<0.005	5.8E-05 (J)	<0.005		<0.005
3/12/2020					<0.005	
9/15/2020	9.3E-05 (J)	<0.005	5E-05 (J)			
9/16/2020						9.3E-05 (J)
9/17/2020					<0.005	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005	
11/19/2007						<0.005
11/20/2007		<0.005	<0.005			
1/16/2008						<0.005
1/30/2008		<0.005	<0.005	<0.005	<0.005	
3/5/2008				<0.005		<0.005
3/6/2008		<0.005	<0.005		<0.005	
5/7/2008				<0.005	<0.005	
5/8/2008			<0.005			
5/12/2008		<0.005				
5/13/2008						<0.005
12/12/2008	<0.005					
12/13/2008		<0.005				<0.005
12/14/2008			<0.005	<0.005	<0.005	
4/16/2009						<0.005
4/23/2009	<0.005					
4/29/2009		<0.005	<0.005	<0.005	<0.005	
10/6/2009	<0.005					
10/20/2009		<0.005				
10/21/2009			<0.005			<0.005
10/22/2009				<0.005	<0.005	
4/21/2010			<0.005	<0.005	<0.005	
4/26/2010		<0.005				
4/27/2010						<0.005
5/3/2010	<0.005					
9/28/2010			<0.005	<0.005		
9/29/2010		<0.005			<0.005	
10/5/2010						<0.005
10/11/2010	<0.005					
4/12/2011			<0.005	<0.005		
4/13/2011		<0.005			<0.005	
4/19/2011						<0.005
4/27/2011	<0.005					
10/4/2011			<0.005	<0.005	<0.005	
10/5/2011		<0.005				
10/12/2011						<0.005
10/19/2011	<0.005					
4/3/2012			<0.005	<0.005		
4/4/2012		<0.005			<0.005	
4/24/2012						<0.005
5/1/2012	0.0012					
10/2/2012	<0.005					<0.005
10/3/2012		<0.005		<0.005	<0.005	
10/8/2012			<0.005			
4/2/2013						<0.005
4/3/2013		<0.005	<0.005	<0.005	<0.005	
4/10/2013	<0.005					
10/9/2013				<0.005	<0.005	<0.005
10/15/2013		<0.005	<0.005			
10/16/2013	<0.005					

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.005
4/2/2014				<0.005	<0.005	
4/9/2014		<0.005	<0.005			
4/22/2014	<0.005					
10/1/2014	<0.005					
10/2/2014		<0.005	<0.005	<0.005	<0.005	<0.005
3/30/2015	<0.005					
4/1/2015				<0.005	<0.005	<0.005
4/2/2015		<0.005	<0.005			
10/10/2015		<0.005				
10/11/2015	<0.005			<0.005	<0.005	
10/12/2015			<0.005			
10/14/2015						<0.005
3/28/2016	<0.005					
3/31/2016		<0.005	<0.005			
4/4/2016				<0.005	<0.005	<0.005
5/25/2016	<0.005					
5/26/2016		<0.005	<0.005	<0.005	<0.005	
5/27/2016						<0.005
8/1/2016	<0.005					
8/3/2016			<0.005	<0.005		<0.005
8/4/2016					<0.005	
8/5/2016		<0.005				
9/26/2016	<0.005					
9/28/2016		<0.005	<0.005	<0.005	<0.005	
9/30/2016						<0.005
11/11/2016	<0.005					
11/22/2016		<0.005	<0.005	<0.005	<0.005	<0.005
1/30/2017	<0.005					
2/7/2017		<0.005	<0.005			
2/8/2017				<0.005	<0.005	
2/13/2017						<0.005
4/3/2017	<0.005					
4/10/2017		<0.005	<0.005	<0.005	<0.005	
4/11/2017						<0.005
6/12/2017	<0.005					
6/14/2017		<0.005	<0.005			<0.005
6/15/2017				9E-05 (J)	<0.005	
10/2/2017	<0.005					
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005
3/16/2018	<0.005					
3/20/2018		<0.005				
3/21/2018			<0.005	<0.005		
3/22/2018					<0.005	<0.005
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2019	<0.005					
3/22/2019		<0.005	<0.005			
3/23/2019				<0.005	<0.005	<0.005
9/12/2019	<0.005					
9/17/2019		4.7E-05 (J)	0.00017 (J)	4.6E-05 (J)	8.2E-05 (J)	<0.005 (D)
3/11/2020	<0.005					
3/12/2020		<0.005	<0.005	5.2E-05 (J)	4.6E-05 (J)	<0.005

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/15/2020	<0.005					
9/17/2020		<0.005	<0.005			
9/21/2020				<0.005	<0.005	<0.005

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.005	<0.005				
8/23/2007					<0.005	<0.005
8/24/2007			<0.005	<0.005		
10/25/2007						<0.005
11/1/2007	<0.005	<0.005				
11/2/2007			<0.005	<0.005	<0.005	
11/17/2007			<0.005		<0.005	
11/18/2007				<0.005		
11/19/2007	<0.005	<0.005				<0.005
1/15/2008			<0.005	<0.005	<0.005	
1/23/2008						<0.005
1/31/2008	<0.005	<0.005				
3/5/2008	<0.005	<0.005	<0.005			
3/6/2008					<0.005	
3/10/2008				<0.005		
3/11/2008						<0.005
5/7/2008		<0.005	<0.005		<0.005	
5/12/2008	<0.005					<0.005
5/13/2008				<0.005		
12/2/2008			<0.005	<0.005	<0.005	
12/11/2008						<0.005
12/12/2008		<0.005				
12/13/2008	<0.005					
4/15/2009						<0.005
4/16/2009			<0.005			
4/28/2009	<0.005			<0.005	<0.005	
4/29/2009		<0.005				
10/9/2009						<0.005
10/19/2009					<0.005	
10/20/2009			<0.005	<0.005		
10/21/2009	<0.005	<0.005				
4/20/2010			<0.005			
4/27/2010				<0.005	<0.005	
4/28/2010	<0.005	<0.005				
5/4/2010						<0.005
9/29/2010			<0.005			
10/4/2010					<0.005	
10/5/2010	<0.005			<0.005		
10/6/2010		<0.005				
10/12/2010						<0.005
4/12/2011			<0.005			
4/18/2011					<0.005	
4/19/2011	<0.005			<0.005		
4/20/2011		<0.005				
4/28/2011						<0.005
10/4/2011			<0.005			
10/12/2011		<0.005		<0.005	<0.005	
10/18/2011	<0.005					
10/19/2011						<0.005
4/4/2012			<0.005			
4/23/2012					<0.005	
4/25/2012	<0.005	<0.005		<0.005		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.005
10/2/2012	<0.005	<0.005				
10/9/2012						<0.005
10/10/2012			<0.005	<0.005	<0.005	
4/2/2013	<0.005	<0.005				
4/11/2013						<0.005
4/15/2013			<0.005		<0.005	
4/16/2013				<0.005		
10/8/2013	<0.005	<0.005				
10/16/2013						<0.005
10/22/2013			<0.005	<0.005	<0.005	
4/1/2014	<0.005	<0.005				
4/21/2014			<0.005	<0.005	<0.005	
4/23/2014						<0.005
9/30/2014			<0.005	<0.005	<0.005	
10/1/2014	<0.005	<0.005				
10/3/2014						<0.005
3/31/2015		<0.005				<0.005
4/1/2015	<0.005					
4/3/2015			<0.005	<0.005	<0.005	
10/6/2015				<0.005		
10/7/2015			<0.005		<0.005	
10/12/2015						<0.005
10/14/2015		<0.005				
10/15/2015	<0.005					
3/28/2016						<0.005
4/4/2016	<0.005	<0.005				
4/5/2016			<0.005	<0.005	<0.005	
5/25/2016						<0.005
5/31/2016	<0.005			<0.005	<0.005	
6/1/2016		<0.005	<0.005			
8/1/2016						<0.005
8/4/2016	0.0001 (J)				<0.005	
8/9/2016			<0.005			
9/27/2016						<0.005
9/29/2016	0.0001 (J)				0.0008 (J)	
11/11/2016						<0.005
11/23/2016				<0.005	0.0011 (J)	
11/28/2016	<0.005		<0.005			
1/31/2017						<0.005
2/9/2017	0.0001 (J)		0.0002 (J)			
2/10/2017				<0.005	<0.005	
2/22/2017		0.0003 (J)				
4/3/2017						<0.005
4/11/2017		<0.005	<0.005	<0.005		
4/12/2017	<0.005				<0.005	
6/12/2017						<0.005
6/14/2017			<0.005			
6/15/2017				<0.005	0.0005 (J)	
6/16/2017	0.0002 (J)	<0.005				
7/12/2017		<0.005	<0.005	<0.005		
7/26/2017				<0.005		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		<0.005				
8/10/2017		<0.005				
10/3/2017						<0.005
10/5/2017			<0.005			
10/6/2017		<0.005		<0.005	0.0004 (J)	
10/9/2017	0.0001 (J)					
3/19/2018						<0.005
3/21/2018	<0.005					
3/22/2018			<0.005			
3/23/2018		<0.005		<0.005	0.00028 (J)	
9/17/2018						<0.005
9/19/2018	<0.005		<0.005	<0.005	0.00029 (J)	
9/20/2018		<0.005				
3/20/2019						<0.005
3/22/2019		<0.005	<0.005	<0.005		
3/23/2019	<0.005					
3/25/2019					0.00047 (J)	
9/16/2019						<0.005
9/17/2019			<0.005	<0.005	0.00016 (J)	
9/18/2019	0.0002 (J)	4.8E-05 (X)				
3/13/2020	0.00013 (J)		<0.005	4.8E-05 (J)	0.00037 (J)	
3/16/2020						5.1E-05 (J)
3/17/2020		<0.005				
9/16/2020						<0.005
9/21/2020			0.00023 (J)	7.5E-05 (J)	0.00093 (J)	
9/22/2020	0.00015 (J)	7.1E-05 (J)				

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						<0.005
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						<0.005
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						0.0012
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				<0.005	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Lead (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0001 (J)	<0.005	0.0002 (J)	
8/5/2016						0.0001 (J)
9/26/2016	0.0003 (J)	<0.005			0.0001 (J)	
9/27/2016			0.0001 (J)	<0.005		
9/28/2016						0.0002 (J)
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0001 (J)		0.0001 (J)	0.0002 (J)
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0001 (J)			
2/3/2017					0.0002 (J)	
2/6/2017				<0.005		0.0001 (J)
4/6/2017	7E-05 (J)	7E-05 (J)	0.0002 (J)	0.0001 (J)		0.0001 (J)
4/7/2017					0.0002 (J)	
6/13/2017	<0.005	8E-05 (J)	<0.005		0.0002 (J)	8E-05 (J)
6/14/2017				<0.005		
7/14/2017			<0.005			
10/3/2017	<0.005	<0.005	9E-05 (J)		0.0002 (J)	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		0.00042 (J)	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					0.00032 (J)	
9/13/2019			<0.005			
9/16/2019	0.0001 (J)	<0.005		<0.005 (D)	5.4E-05 (J)	6.1E-05 (J)
3/12/2020	0.0001 (J)	7E-05 (J)	8.2E-05 (J)	5.6E-05 (J)		0.00016 (J)
3/16/2020					0.00016 (J)	
9/16/2020	0.00012 (J)	<0.005	0.00011 (J)			
9/17/2020				8E-05 (J)	6.5E-05 (J)	7.9E-05 (J)

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005		
10/23/2007	<0.0005					
10/24/2007		<0.0005	<0.0005			
11/2/2007				<0.0005		
11/18/2007	<0.0005	<0.0005	<0.0005	<0.0005		
1/30/2008	<0.0005					
1/31/2008		<0.0005	<0.0005	<0.0005		
3/10/2008	<0.0005		<0.0005			
3/11/2008		<0.0005		<0.0005		
5/6/2008		0.000175				
5/13/2008	<0.0005		<0.0005			
5/14/2008				<0.0005		
12/4/2008		<0.0005	<0.0005			
12/5/2008	<0.0005			<0.0005		
12/12/2008						<0.0005
4/15/2009	<0.0005			<0.0005		
4/21/2009		<0.0005	<0.0005			
4/23/2009						<0.0005
10/6/2009						<0.0005
10/7/2009	<0.0005	<0.0005				
10/8/2009			<0.0005	<0.0005		
4/21/2010			<0.0005			
4/26/2010		<0.0005				
4/27/2010						<0.0005
4/28/2010				<0.0005		
5/3/2010	<0.0005					
9/28/2010			<0.0005			
9/30/2010						<0.0005
10/4/2010		<0.0005				
10/6/2010				<0.0005		
10/12/2010	<0.0005					
4/12/2011			<0.0005			
4/13/2011		<0.0005				
4/14/2011						<0.0005
4/21/2011				<0.0005		
4/27/2011	<0.0005					
10/4/2011			<0.0005			
10/5/2011		<0.0005				<0.0005
10/13/2011				<0.0005		
10/17/2011	<0.0005					
4/3/2012			<0.0005			
4/11/2012		<0.0005				<0.0005
5/1/2012				<0.0005		
5/2/2012	<0.0005					
10/2/2012						<0.0005
10/8/2012	<0.0005					
10/9/2012		<0.0005	<0.0005	<0.0005		
4/9/2013						<0.0005
4/11/2013			<0.0005	<0.0005		
4/12/2013	<0.0005					
4/15/2013		<0.0005				
10/15/2013		<0.0005				<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.0005		<0.0005	<0.0005		
4/10/2014			<0.0005			<0.0005
4/11/2014	<0.0005					
4/22/2014		<0.0005				
4/23/2014				<0.0005		
9/30/2014	<0.0005	<0.0005	<0.0005			
10/1/2014						<0.0005
10/4/2014				<0.0005		
3/30/2015	<0.0005	<0.0005	<0.0005			2.02E-05 (J)
3/31/2015				<0.0005		
10/11/2015						<0.0005
10/12/2015				<0.0005		
10/13/2015	<0.0005	<0.0005	<0.0005			
3/22/2016	<0.0005					
3/23/2016		<0.0005	<0.0005	<0.0005		
3/28/2016						<0.0005
5/19/2016	<0.0005		<0.0005			
5/20/2016		<0.0005				
5/23/2016				<0.0005		<0.0005
7/29/2016	<0.0005	<0.0005	<0.0005	<0.0005		
8/1/2016						<0.0005
9/22/2016			<0.0005	<0.0005		
9/23/2016	<0.0005	<0.0005				
9/26/2016						<0.0005
11/9/2016	<0.0005	<0.0005				
11/10/2016			<0.0005	<0.0005		<0.0005
1/30/2017	<0.0005					<0.0005
1/31/2017		<0.0005	<0.0005	<0.0005		
2/22/2017					<0.0005	
3/30/2017	<0.0005	<0.0005		<0.0005		
4/3/2017			<0.0005			
4/7/2017					<0.0005	<0.0005
6/9/2017	<0.0005		<0.0005			
6/12/2017		<0.0005		<0.0005		<0.0005
6/14/2017					<0.0005	
7/12/2017					<0.0005	
7/20/2017					<0.0005	
7/28/2017					<0.0005	
8/9/2017					<0.0005	
8/24/2017					<0.0005	
10/2/2017	<0.0005	<0.0005	<0.0005			<0.0005
10/3/2017					<0.0005	
10/4/2017				<0.0005		
3/16/2018	<0.0005		<0.0005			<0.0005
3/19/2018		<0.0005		<0.0005		
3/21/2018					<0.0005	
9/14/2018		<0.0005	<0.0005			
9/17/2018	<0.0005 (D)			<0.0005		<0.0005
9/18/2018					<0.0005	
3/19/2019			<0.0005			<0.0005
3/20/2019	<0.0005	<0.0005		<0.0005		
3/21/2019					<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.0005	<0.0005 (D)			<0.0005	
9/13/2019			<0.0005	<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/12/2020					<0.0005	
9/15/2020	<0.0005	<0.0005	<0.0005			
9/16/2020						<0.0005
9/17/2020					<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/1/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/18/2007				<0.0005	<0.0005	
11/19/2007						<0.0005
11/20/2007		<0.0005	<0.0005			
1/16/2008						<0.0005
1/30/2008		<0.0005	<0.0005	<0.0005	<0.0005	
3/5/2008				<0.0005		<0.0005
3/6/2008		<0.0005	<0.0005		<0.0005	
5/7/2008				0.000181	<0.0005	
5/8/2008			<0.0005			
5/12/2008		<0.0005				
5/13/2008						<0.0005
12/12/2008	<0.0005					
12/13/2008		<0.0005				<0.0005
12/14/2008			<0.0005	<0.0005	<0.0005	
4/16/2009						<0.0005
4/23/2009	<0.0005					
4/29/2009		<0.0005	<0.0005	<0.0005	<0.0005	
10/6/2009	<0.0005					
10/20/2009		<0.0005				
10/21/2009			<0.0005			<0.0005
10/22/2009				<0.0005	<0.0005	
4/21/2010			<0.0005	<0.0005	<0.0005	
4/26/2010		<0.0005				
4/27/2010						<0.0005
5/3/2010	<0.0005					
9/28/2010			<0.0005	<0.0005		
9/29/2010		<0.0005			<0.0005	
10/5/2010						<0.0005
10/11/2010	<0.0005					
4/12/2011			<0.0005	<0.0005		
4/13/2011		<0.0005			<0.0005	
4/19/2011						<0.0005
4/27/2011	<0.0005					
10/4/2011			<0.0005	<0.0005	<0.0005	
10/5/2011		<0.0005				
10/12/2011						<0.0005
10/19/2011	<0.0005					
4/3/2012			<0.0005	<0.0005		
4/4/2012		<0.0005			<0.0005	
4/24/2012						<0.0005
5/1/2012	<0.0005					
10/2/2012	<0.0005					<0.0005
10/3/2012		<0.0005		<0.0005	<0.0005	
10/8/2012			<0.0005			
4/2/2013						<0.0005
4/3/2013		<0.0005	<0.0005	<0.0005	<0.0005	
4/10/2013	<0.0005					
10/9/2013				<0.0005	<0.0005	<0.0005
10/15/2013		<0.0005	<0.0005			
10/16/2013	<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.0002 (J)
4/2/2014				0.0002 (J)	<0.0005	
4/9/2014		<0.0005	<0.0005			
4/22/2014	<0.0005					
10/1/2014	<0.0005					
10/2/2014		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/30/2015	<0.0005					
4/1/2015				<0.0005	<0.0005	<0.0005
4/2/2015		<0.0005	<0.0005			
10/10/2015		<0.0005				
10/11/2015	<0.0005			<0.0005	<0.0005	
10/12/2015			<0.0005			
10/14/2015						<0.0005
3/28/2016	<0.0005					
3/31/2016		<0.0005	<0.0005			
4/4/2016				<0.0005	<0.0005	<0.0005
5/25/2016	<0.0005					
5/26/2016		<0.0005	<0.0005	<0.0005	<0.0005	
5/27/2016						<0.0005
8/1/2016	<0.0005					
8/3/2016			<0.0005	<0.0005		<0.0005
8/4/2016					<0.0005	
8/5/2016		<0.0005				
9/26/2016	<0.0005					
9/28/2016		<0.0005	<0.0005	<0.0005	<0.0005	
9/30/2016						<0.0005
11/11/2016	<0.0005					
11/22/2016		<0.0005	<0.0005	<0.0005	<0.0005	8E-05 (J)
1/30/2017	<0.0005					
2/7/2017		<0.0005	<0.0005			
2/8/2017				<0.0005	<0.0005	
2/13/2017						<0.0005
4/3/2017	<0.0005					
4/10/2017		<0.0005	<0.0005	<0.0005	<0.0005	
4/11/2017						<0.0005
6/12/2017	<0.0005					
6/14/2017		<0.0005	<0.0005			<0.0005
6/15/2017				<0.0005	<0.0005	
10/2/2017	<0.0005					
10/4/2017		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/16/2018	<0.0005					
3/20/2018		<0.0005				
3/21/2018			<0.0005	<0.0005		
3/22/2018					<0.0005	<0.0005
9/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/19/2019	<0.0005					
3/22/2019		<0.0005	<0.0005			
3/23/2019				<0.0005	<0.0005	<0.0005
9/12/2019	<0.0005					
9/17/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/11/2020	<0.0005					
3/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/15/2020	<0.0005					
9/17/2020		<0.0005	<0.0005			
9/21/2020				<0.0005	<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.0005	<0.0005				
8/23/2007					<0.0005	<0.0005
8/24/2007			<0.0005	<0.0005		
10/25/2007						<0.0005
11/1/2007	<0.0005	<0.0005				
11/2/2007			<0.0005	<0.0005	<0.0005	
11/17/2007			<0.0005		<0.0005	
11/18/2007				<0.0005		
11/19/2007	<0.0005	<0.0005				<0.0005
1/15/2008			<0.0005	<0.0005	<0.0005	
1/23/2008						<0.0005
1/31/2008	<0.0005	<0.0005				
3/5/2008	<0.0005	<0.0005	<0.0005			
3/6/2008					<0.0005	
3/10/2008				<0.0005		
3/11/2008						<0.0005
5/7/2008		<0.0005	<0.0005		<0.0005	
5/12/2008	<0.0005					<0.0005
5/13/2008				<0.0005		
12/2/2008			<0.0005	<0.0005	<0.0005	
12/11/2008						<0.0005
12/12/2008		<0.0005				
12/13/2008	<0.0005					
4/15/2009						<0.0005
4/16/2009			<0.0005			
4/28/2009	<0.0005			<0.0005	<0.0005	
4/29/2009		<0.0005				
10/9/2009						<0.0005
10/19/2009					<0.0005	
10/20/2009			<0.0005	<0.0005		
10/21/2009	<0.0005	<0.0005				
4/20/2010			<0.0005			
4/27/2010				<0.0005	<0.0005	
4/28/2010	<0.0005	<0.0005				
5/4/2010						<0.0005
9/29/2010			<0.0005			
10/4/2010					<0.0005	
10/5/2010	<0.0005			<0.0005		
10/6/2010		<0.0005				
10/12/2010						<0.0005
4/12/2011			<0.0005			
4/18/2011					<0.0005	
4/19/2011	<0.0005			<0.0005		
4/20/2011		<0.0005				
4/28/2011						<0.0005
10/4/2011			<0.0005			
10/12/2011		<0.0005		<0.0005	<0.0005	
10/18/2011	<0.0005					
10/19/2011						<0.0005
4/4/2012			<0.0005			
4/23/2012					<0.0005	
4/25/2012	<0.0005	<0.0005		<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.0005
10/2/2012	<0.0005	<0.0005				
10/9/2012						<0.0005
10/10/2012			<0.0005	<0.0005	<0.0005	
4/2/2013	<0.0005	<0.0005				
4/11/2013						<0.0005
4/15/2013			<0.0005		<0.0005	
4/16/2013				<0.0005		
10/8/2013	<0.0005	<0.0005				
10/16/2013						<0.0005
10/22/2013			<0.0005	<0.0005	<0.0005	
4/1/2014	0.0002 (J)	0.0002 (J)				
4/21/2014			<0.0005	<0.0005	<0.0005	
4/23/2014						<0.0005
9/30/2014			<0.0005	<0.0005	<0.0005	
10/1/2014	<0.0005	<0.0005				
10/3/2014						3.71E-05 (J)
3/31/2015		<0.0005				<0.0005
4/1/2015	<0.0005					
4/3/2015			<0.0005	<0.0005	<0.0005	
10/6/2015				<0.0005		
10/7/2015			<0.0005		<0.0005	
10/12/2015						<0.0005
10/14/2015		<0.0005				
10/15/2015	<0.0005					
3/28/2016						<0.0005
4/4/2016	<0.0005	<0.0005				
4/5/2016			<0.0005	<0.0005	<0.0005	
5/25/2016						<0.0005
5/31/2016	<0.0005			<0.0005	<0.0005	
6/1/2016		<0.0005	<0.0005			
8/1/2016						<0.0005
8/4/2016	<0.0005				<0.0005	
8/9/2016			<0.0005			
9/27/2016						<0.0005
9/29/2016	<0.0005				<0.0005	
11/11/2016						<0.0005
11/23/2016				6E-05 (J)	5E-05 (J)	
11/28/2016	<0.0005		<0.0005			
1/31/2017						<0.0005
2/9/2017	<0.0005		<0.0005			
2/10/2017				<0.0005	<0.0005	
2/22/2017		<0.0005				
4/3/2017						<0.0005
4/11/2017		<0.0005	<0.0005	<0.0005		
4/12/2017	<0.0005				<0.0005	
6/12/2017						<0.0005
6/14/2017			<0.0005			
6/15/2017				<0.0005	<0.0005	
6/16/2017	<0.0005	<0.0005				
7/12/2017		<0.0005	<0.0005	<0.0005		
7/26/2017				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		<0.0005				
8/10/2017		<0.0005				
10/3/2017						<0.0005
10/5/2017			<0.0005			
10/6/2017		<0.0005		<0.0005	<0.0005	
10/9/2017	<0.0005					
3/19/2018						<0.0005
3/21/2018	<0.0005					
3/22/2018			<0.0005			
3/23/2018		<0.0005		<0.0005	<0.0005	
9/17/2018						<0.0005
9/19/2018	<0.0005		<0.0005	<0.0005	<0.0005	
9/20/2018		<0.0005				
3/20/2019						<0.0005
3/22/2019		<0.0005	<0.0005	<0.0005		
3/23/2019	<0.0005					
3/25/2019					<0.0005	
9/16/2019						<0.0005
9/17/2019			<0.0005	<0.0005	<0.0005	
9/18/2019	<0.0005	<0.0005				
3/13/2020	<0.0005		<0.0005	<0.0005	<0.0005	
3/16/2020						<0.0005
3/17/2020		<0.0005				
9/16/2020						<0.0005
9/21/2020			<0.0005	<0.0005	<0.0005	
9/22/2020	<0.0005	<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.0005					
8/23/2007						<0.0005
10/25/2007	<0.0005					
11/1/2007						<0.0005
11/19/2007						<0.0005
11/20/2007	<0.0005					
1/15/2008						<0.0005
1/23/2008	<0.0005					
3/6/2008						<0.0005
3/11/2008	<0.0005					
5/13/2008						<0.0005
5/14/2008	<0.0005					
12/11/2008	<0.0005					
12/12/2008						<0.0005
4/16/2009						<0.0005
4/23/2009	<0.0005					
10/9/2009	<0.0005					
10/13/2009						<0.0005
4/21/2010						<0.0005
5/4/2010	<0.0005					
9/29/2010						<0.0005
10/11/2010	<0.0005					
4/13/2011						<0.0005
4/26/2011	<0.0005					
10/5/2011						<0.0005
10/18/2011	<0.0005			<0.0005		
4/4/2012						<0.0005
4/30/2012				<0.0005		
5/2/2012	<0.0005					
10/3/2012				<0.0005		
10/8/2012	<0.0005					<0.0005
4/8/2013				<0.0005		<0.0005
4/10/2013	<0.0005					
10/8/2013	<0.0005					
10/9/2013				<0.0005		<0.0005
4/9/2014						<0.0005
4/10/2014				<0.0005		
4/14/2014	<0.0005					
9/30/2014						<0.0005
10/2/2014				3.83E-05 (J)		
10/3/2014	3.29E-05 (J)					
4/1/2015	<0.0005					
4/2/2015						<0.0005
4/3/2015				<0.0005		
5/26/2015		<0.0005			<0.0005	
6/18/2015		<0.0005 (D)			<0.0005 (D)	
7/2/2015		<0.0005			<0.0005	
8/13/2015		<0.0005 (D)				
8/14/2015					<0.0005 (D)	
10/8/2015				<0.0005	<0.0005	
10/9/2015	<0.0005	<0.0005				
10/10/2015						<0.0005 (D)

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.0005	
3/29/2016	<0.0005	<0.0005				
3/30/2016				<0.0005		<0.0005
5/24/2016	<0.0005	<0.0005		<0.0005		
5/25/2016					<0.0005	
5/26/2016						<0.0005
5/31/2016			<0.0005			
8/1/2016	<0.0005	<0.0005				
8/2/2016			<0.0005	<0.0005	<0.0005	
8/5/2016						<0.0005
9/26/2016	<0.0005	<0.0005			<0.0005	
9/27/2016			<0.0005	<0.0005		
9/28/2016						<0.0005
11/14/2016		<0.0005				
11/18/2016	<0.0005					
11/21/2016			<0.0005		<0.0005	<0.0005
11/22/2016				8E-05 (J)		
2/1/2017	<0.0005	<0.0005	<0.0005			
2/3/2017					<0.0005	
2/6/2017				<0.0005		<0.0005
4/6/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
4/7/2017					<0.0005	
6/13/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
6/14/2017				<0.0005		
7/14/2017			<0.0005			
10/3/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
10/4/2017				<0.0005		
3/19/2018	<0.0005					
3/20/2018		<0.0005	<0.0005		<0.0005	<0.0005
3/21/2018				<0.0005		
9/17/2018	<0.0005	<0.0005				
9/18/2018			<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/21/2019	<0.0005	<0.0005	<0.0005			<0.0005
3/27/2019				<0.0005		
5/6/2019					<0.0005	
9/13/2019			<0.0005			
9/16/2019	<0.0005	<0.0005		<0.0005 (D)	<0.0005	<0.0005
3/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2020					<0.0005	
9/16/2020	<0.0005	<0.0005	<0.0005			
9/17/2020				<0.0005	<0.0005	<0.0005

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	0.028		
10/23/2007	0.0096					
10/24/2007		0.026 (o)	0.0025			
11/2/2007				0.041		
11/18/2007	0.023	0.043 (o)	0.0093	0.14 (o)		
1/30/2008	0.11 (o)					
1/31/2008		0.0075	0.054 (o)	0.053		
3/10/2008	0.024		0.0054			
3/11/2008		0.019		0.076		
5/6/2008		0.004				
5/13/2008	0.006		0.0043			
5/14/2008				0.074		
12/4/2008		0.02	<0.01			
12/5/2008	<0.01			0.032		
12/12/2008						0.0035
4/15/2009	<0.01			0.028		
4/21/2009		<0.01	<0.01			
4/23/2009						0.0032
10/6/2009						<0.01
10/7/2009	0.0096	<0.01				
10/8/2009			<0.01	0.032		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				0.029		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		0.0025				
10/6/2010				0.031		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						0.0028
4/21/2011				0.019		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				0.0028
10/13/2011				0.028		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				0.0253		
5/2/2012	<0.01					
10/2/2012						0.0026
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	0.023		
4/9/2013						<0.01
4/11/2013			<0.01	0.021		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		0.0028				<0.01

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	0.018		
4/10/2014			<0.01			0.0025 (J)
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				0.015		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				0.017		
3/30/2015	0.004	0.0018 (J)	<0.01			0.0015 (J)
3/31/2015				0.045		
10/11/2015						0.0013 (J)
10/12/2015				0.019		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	0.019		
3/28/2016						<0.01
7/29/2016	<0.01	<0.01	<0.01	0.0161		
8/1/2016						<0.01
3/30/2017	0.0004 (J)	0.0006 (J)		0.018		
4/3/2017			<0.01			
4/7/2017					<0.01	0.0011 (J)
10/2/2017	<0.01	<0.01	<0.01			0.0013 (J)
10/3/2017					<0.01	
10/4/2017				0.0158		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		0.015		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			0.014		0.00096 (J)
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		0.01		
3/21/2019					<0.01	
9/12/2019	0.00038 (J)	0.00518 (D)			0.00032 (J)	
9/13/2019			<0.01	0.012		0.00063 (J)
3/11/2020	0.00068 (J)	0.0014 (J)	0.002 (J)	0.012		0.00084 (J)
3/12/2020					0.00034 (J)	
9/15/2020	<0.01	<0.01	0.0013 (J)			
9/16/2020						<0.01
9/17/2020					<0.01	

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		0.0042	0.006	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01	
11/19/2007						0.0047
11/20/2007		0.026	<0.01			
1/16/2008						0.029
1/30/2008		0.032	0.029 (C)	<0.01	<0.01	
3/5/2008				<0.01		0.023
3/6/2008		0.019	<0.01		0.0046	
5/7/2008				0.0087	<0.01	
5/8/2008			0.0057			
5/12/2008		0.0072				
5/13/2008						0.0032
12/12/2008	0.0096					
12/13/2008		0.024				<0.01
12/14/2008			<0.01	<0.01	<0.01	
4/16/2009						<0.01
4/23/2009	0.015					
4/29/2009		0.0026	<0.01	<0.01	<0.01	
10/6/2009	0.008					
10/20/2009		<0.01				
10/21/2009			<0.01			<0.01
10/22/2009				<0.01	<0.01	
4/21/2010			<0.01	<0.01	<0.01	
4/26/2010		<0.01				
4/27/2010						<0.01
5/3/2010	0.0053					
9/28/2010			<0.01	<0.01		
9/29/2010		0.0042			<0.01	
10/5/2010						<0.01
10/11/2010	0.0061					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						0.0025
4/27/2011	0.0087					
10/4/2011			<0.01	<0.01	<0.01	
10/5/2011		<0.01				
10/12/2011						<0.01
10/19/2011	0.0039					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	0.0054					
10/2/2012	0.0044					<0.01
10/3/2012		0.004		0.0042	<0.01	
10/8/2012			<0.01			
4/2/2013						0.003
4/3/2013		0.0028	<0.01	<0.01	<0.01	
4/10/2013	0.0053					
10/9/2013				<0.01	<0.01	<0.01
10/15/2013		0.0036	<0.01			
10/16/2013	0.0047					

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.0025 (J)
4/2/2014				0.0025 (J)	<0.01	
4/9/2014		0.0025 (J)	<0.01			
4/22/2014	0.0045					
10/1/2014	0.0018 (J)					
10/2/2014		<0.01	<0.01	0.0016 (J)	<0.01	<0.01
3/30/2015	0.0037					
4/1/2015				<0.01	0.0041	0.0014 (J)
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	0.0018 (J)			<0.01	<0.01	
10/12/2015			<0.01			
10/14/2015						0.0021 (J)
3/28/2016	0.0028 (J)					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	<0.01	0.00264 (J)
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
4/3/2017	0.0022 (J)					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						0.0027 (J)
10/2/2017	0.0021 (J)					
10/4/2017		<0.01	0.0006 (J)	<0.01	<0.01	0.0022 (J)
3/16/2018	0.0014 (J)					
3/20/2018		0.0016 (J)				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	0.0025 (J)
9/18/2018	0.0012 (J)	<0.01	<0.01	<0.01	<0.01	0.0024 (J)
3/19/2019	0.0016 (J)					
3/22/2019		0.0022 (J)	<0.01			
3/23/2019				<0.01	<0.01	0.0026 (J)
9/12/2019	0.0015 (J)					
9/17/2019		<0.01	<0.01	<0.01	<0.01	0.0033 (JD)
3/11/2020	0.001 (J)					
3/12/2020		0.0015 (J)	0.00043 (J)	<0.01	<0.01	0.0022 (J)
9/15/2020	0.0012 (J)					
9/17/2020		<0.01	<0.01			
9/21/2020				<0.01	<0.01	0.0019 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	0.0076	<0.01				
8/23/2007					0.0089	0.0069
8/24/2007			<0.01	<0.01		
10/25/2007						0.038
11/1/2007	0.0043	0.0033				
11/2/2007			0.0029	<0.01	0.0036	
11/17/2007			0.0086		0.014 (O)	
11/18/2007				0.0088 (J)		
11/19/2007	0.0061	0.0029				0.025
1/15/2008			0.011	0.019	0.0096	
1/23/2008						0.047
1/31/2008	0.015	0.0039				
3/5/2008	<0.01	<0.01	0.0072			
3/6/2008					0.0038	
3/10/2008				0.017		
3/11/2008						0.042
5/7/2008		<0.01	0.0045		0.0056	
5/12/2008	0.0035					0.031
5/13/2008				0.0058		
12/2/2008			0.011	0.0043	0.003	
12/11/2008						0.027
12/12/2008		0.022 (O)				
12/13/2008	0.0079					
4/15/2009						0.025
4/16/2009			0.0061			
4/28/2009	<0.01			<0.01	<0.01	
4/29/2009		0.0034				
10/9/2009						0.051
10/19/2009					<0.01	
10/20/2009			0.01	<0.01		
10/21/2009	<0.01	<0.01				
4/20/2010			<0.01			
4/27/2010				<0.01	0.004	
4/28/2010	<0.01	0.0026				
5/4/2010						0.025
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			<0.01		
10/6/2010		<0.01				
10/12/2010						0.024
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	<0.01			<0.01		
4/20/2011		<0.01				
4/28/2011						0.01
10/4/2011			<0.01			
10/12/2011		<0.01		<0.01	<0.01	
10/18/2011	0.0031					
10/19/2011						0.03
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						0.0429
10/2/2012	<0.01	<0.01				
10/9/2012						0.033
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						0.02
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						0.028
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	<0.01	<0.01				
4/21/2014			<0.01	<0.01	<0.01	
4/23/2014						0.024
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						0.032
3/31/2015		<0.01				0.012
4/1/2015	<0.01					
4/3/2015			<0.01	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			<0.01		<0.01	
10/12/2015						0.012
10/14/2015		<0.01				
10/15/2015	<0.01					
3/28/2016						0.0172
4/4/2016	<0.01	<0.01				
4/5/2016			<0.01	<0.01	<0.01	
8/1/2016						0.0113
8/4/2016	<0.01				<0.01	
8/9/2016			0.0021 (J)			
4/3/2017						0.0114
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	<0.01				<0.01	
10/3/2017						0.0098 (J)
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	0.001 (J)	
10/9/2017	<0.01					
3/19/2018						0.0092 (J)
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						0.0085 (J)
9/19/2018	<0.01		0.00096 (J)	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						0.008 (J)
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					0.0011 (J)	
9/16/2019						0.008 (J)
9/17/2019			0.0007 (X)	<0.01	0.00057 (J)	
9/18/2019	0.00046 (J)	<0.01				

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/13/2020	<0.01		0.00078 (J)	<0.01	0.00072 (J)	
3/16/2020						0.015
3/17/2020		0.00082 (J)				
9/16/2020						0.0075 (J)
9/21/2020			<0.01	<0.01	0.0015 (J)	
9/22/2020	<0.01	<0.01				

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						0.0046
10/25/2007	0.0028					
11/1/2007						0.0057
11/19/2007						0.014 (J)
11/20/2007	0.012					
1/15/2008						0.057 (o)
1/23/2008	0.046 (o)					
3/6/2008						0.046 (o)
3/11/2008	0.0091					
5/13/2008						0.0069
5/14/2008	0.022					
12/11/2008	0.005					
12/12/2008						0.0061
4/16/2009						0.0067 (J)
4/23/2009	0.0031					
10/9/2009	0.0053					
10/13/2009						0.0054
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	0.0042					
4/13/2011						<0.01
4/26/2011	0.0051					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	0.0025					
10/9/2013				<0.01		0.0029
4/9/2014						0.0025 (J)
4/10/2014				<0.01		
4/14/2014	0.0025 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.0021 (J)					
4/1/2015	0.0026					
4/2/2015						0.0016 (J)
4/3/2015				<0.01		
5/26/2015		<0.01			0.002 (J)	
6/18/2015		<0.01 (D)			0.0025 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				0.003	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.00295 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		0.00116 (J)
8/1/2016	<0.01	<0.01				
8/2/2016			0.0011 (J)	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	0.0005 (J)	<0.01	0.0011 (J)	0.0003 (J)		0.001 (J)
4/7/2017					0.0007 (J)	
10/3/2017	<0.01	<0.01	0.0012 (J)		0.0006 (J)	0.0007 (J)
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	0.00097 (J)
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	0.00099 (J)			0.001 (J)
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			0.00061 (J)			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	0.00062 (J)
3/12/2020	<0.01	<0.01	0.00078 (J)	<0.01		0.0011 (J)
3/16/2020					0.0006 (J)	
9/16/2020	<0.01	<0.01	<0.01			
9/17/2020				<0.01	<0.01	<0.01

Time Series

Constituent: pH (pH units) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	7.65					
3/23/2016		6.7	7.45	5.96		
3/28/2016						6.22
5/19/2016	7.6		7.5			
5/20/2016		6.36				
5/23/2016				5.73		5.86
7/29/2016	7.58	6.75	7.59	5.51		
8/1/2016						6.39
9/22/2016			7.44	5.45		
9/23/2016	7.57	6.62				
9/26/2016						5.74
11/9/2016	7.45	6.42				
11/10/2016			7.55	5.51		5.78
1/30/2017	7.64					5.88
1/31/2017		5.66	7.56	5.42		
2/22/2017					7.38	
3/30/2017	7.51	6.33		5.43		
4/3/2017			7.46			
4/7/2017					7.35	5.94
6/9/2017	7.6		7.24			
6/12/2017		6.6		5.47		5.81
6/14/2017					7.3	
7/12/2017					7.39	
7/20/2017					7.44	
7/28/2017					7.5	
8/9/2017					7.52	
8/24/2017					7.5	
10/2/2017	7.55	5.61	7.35			5.93
10/3/2017					7.51	
10/4/2017				5.23		
12/28/2017					7.32 (Y)	
3/16/2018	7.58		7.31			5.64
3/19/2018		6.55		5.4		
3/21/2018					7.3	
9/14/2018		5.81	7.55			
9/17/2018	7.53 (D)			5.22		5.82
9/18/2018					7.26	
3/19/2019			7.2			5.93
3/20/2019	7.64	5.71		5.22		
3/21/2019					7.28	
9/12/2019	7.36	5.45 (D)			7.2	
9/13/2019			7.29	5.07		5.61
3/11/2020	7.51	6.56	7.09	5.31		5.57
3/12/2020					7.55	
9/15/2020	7.43	6.38	7.45			
9/16/2020						5.62
9/17/2020					7.42	

Time Series

Constituent: pH (pH units) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	6.45 (D)					
3/31/2016		7.21	7.54			
4/4/2016				7.16	8.01	6.53 (D)
5/25/2016	6.96					
5/26/2016		7.3	7.43	7.23	7.91	
5/27/2016						6.45
8/1/2016	5.64					
8/3/2016			7.41	6.96		6.41
8/4/2016					7.85	
8/5/2016		7.54				
9/26/2016	6.26					
9/28/2016		7.48	7.26	7.6	8.26	
9/30/2016						6.46
11/11/2016	5.62					
11/22/2016		7.54	7.38	6.71	7.79	6.39
1/30/2017	5.49					
2/7/2017		7.17	7.46			
2/8/2017				6.84	7.77	
2/13/2017						6.4
4/3/2017	6.32					
4/10/2017		6.72	7.51	7.13	7.95	
4/11/2017						6.37
6/12/2017	6.48					
6/14/2017		6.83	7.34			5.85
6/15/2017				7.1	7.79	
10/2/2017	6.41					
10/4/2017		7.38	7.54	6.25	7.74	6.27
3/16/2018	5.46					
3/20/2018		6.23				
3/21/2018			7.33	7.07		
3/22/2018					7.72	6.45
9/18/2018	5.35	7.14	7.66	6.9	7.88	6.42
3/19/2019	6.01					
3/22/2019		6.23	7.34			
3/23/2019				6.27	7.56	6.34
9/12/2019	5.89					
9/17/2019		7.16	7.51	6.55	7.58	6.19 (D)
3/11/2020	5.4					
3/12/2020		6.43	7.49	6.3	7.6	6.17
9/15/2020	5.26					
9/17/2020		7.28	7.7			
9/21/2020				7.02	7.84	6.28

Time Series

Constituent: pH (pH units) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/28/2016						7.04
4/4/2016	7.44 (D)	8.56				
4/5/2016			10.61	9.23	7.71	
5/25/2016						6.39
5/31/2016	7.37			9.52	7.66	
6/1/2016		9.83	10.32			
8/1/2016						6.13
8/4/2016	7.32				7.8	
8/9/2016			8.23			
9/27/2016						5.98
9/29/2016	7.38				7.46	
11/11/2016						6.11
11/23/2016				7.88	7.62	
11/28/2016	7.43		7.29			
1/31/2017						6.08
2/9/2017	7.36		6.91			
2/10/2017				7.72	7.51	
2/22/2017		7.45				
4/3/2017						6.13
4/11/2017		6.37	6.68	7.83		
4/12/2017	7.46				7.54	
6/12/2017						6.83
6/14/2017			6.84			
6/15/2017				7.86	7.71	
6/16/2017	7.36	7.33				
7/12/2017		7.46	6.54	7.73		
7/26/2017				7.71		
7/27/2017		7.37				
7/28/2017		7.37				
8/9/2017		7.38				
8/10/2017		7.38				
10/3/2017						6.2
10/5/2017			6.93			
10/6/2017		6.55		7.74	7.58	
10/9/2017	7.38					
12/28/2017		7.43 (Y)				
3/19/2018						6.06
3/21/2018	7.33					
3/22/2018			6.93			
3/23/2018		7.58		7.89	7.34	
9/17/2018						6.14
9/19/2018	7.31		6.88	7.77	7.66	
9/20/2018		7.43				
3/20/2019						6.29
3/22/2019		7.49	6.27	7.55		
3/23/2019	7.27					
3/25/2019					7.64	
9/16/2019						6.09
9/17/2019			6.04	7.76	7.35	
9/18/2019	7.28	7.5				
3/13/2020	7.25		6.16	7.68	7.56	
3/16/2020						6.88

Time Series

Constituent: pH (pH units) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/17/2020		7.62				
9/16/2020						6
9/21/2020			6.06	7.65	7.48	
9/22/2020	7.34	6.95				

Time Series

Constituent: pH (pH units) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					7.53 (D)	
3/29/2016	7.54	7.24				
3/30/2016				8.2		6.07
5/24/2016	7.39	7.1		8.07		
5/25/2016					8.04	
5/26/2016						6.44
5/31/2016			7.98			
8/1/2016	7.26	7.07				
8/2/2016			7.64	8.07	7.74	
8/5/2016						6.67
9/26/2016	7.19	7.15			7.4	
9/27/2016			7.18	8.06		
9/28/2016						6.89
11/14/2016		7.15				
11/18/2016	7.04					
11/21/2016			7.49		7.4	6.89
11/22/2016				8.07		
2/1/2017	7.34	7.09	7.2			
2/3/2017					7.05	
2/6/2017				7.88		4.93
4/6/2017	7.49	7.23	7.42	7.86		4.92
4/7/2017					7.14	
6/13/2017	7.38	6.99	7.25		7.52	5.03
6/14/2017				7.66		
7/14/2017			7.5			
10/3/2017	7.39	7.09	7.5		7.38	6.01
10/4/2017				7.84		
1/9/2018				7.86 (Y)		
3/19/2018	7.32					
3/20/2018		6.9	6.76		7.27	4.88
3/21/2018				7.9		
9/17/2018	7.57	6.96				
9/18/2018			7.26	7.92	6.95	5.36 (D)
3/21/2019	7.21	6.82	7.3			5.33
3/27/2019				8.07		
5/6/2019					7.98	
9/13/2019			6.8			
9/16/2019	7.35	6.83		7.9 (D)	7.15	6.03
3/12/2020	7.4	6.88	7.53	8.02		4.82
3/16/2020					7.01	
9/16/2020	7.33	6.99	7.56			
9/17/2020				7.96	7.05	6.39

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	<0.01		
10/23/2007	<0.01					
10/24/2007		<0.01	<0.01			
11/2/2007				<0.01		
11/18/2007	<0.01	<0.01	<0.01	<0.01		
1/30/2008	<0.01					
1/31/2008		<0.01	<0.01	<0.01		
3/10/2008	<0.01		<0.01			
3/11/2008		<0.01		<0.01		
5/6/2008		<0.01				
5/13/2008	<0.01		<0.01			
5/14/2008				<0.01		
12/4/2008		<0.01	<0.01			
12/5/2008	<0.01			<0.01		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		<0.01	<0.01			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	<0.01	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		<0.01				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						<0.01
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		<0.01				<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	<0.01		
4/10/2014			<0.01			<0.01
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				<0.01		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				<0.01		
3/30/2015	<0.01	<0.01	<0.01			<0.01
3/31/2015				<0.01		
10/11/2015						<0.01
10/12/2015				<0.01		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
5/19/2016	<0.01		<0.01			
5/20/2016		0.00216 (J)				
5/23/2016				<0.01		<0.01
7/29/2016	<0.01	0.001 (J)	<0.01	<0.01		
8/1/2016						<0.01
9/22/2016			<0.01	<0.01		
9/23/2016	<0.01	<0.01				
9/26/2016						<0.01
11/9/2016	<0.01	<0.01				
11/10/2016			<0.01	<0.01		<0.01
1/30/2017	<0.01					<0.01
1/31/2017		<0.01	<0.01	<0.01		
2/22/2017					<0.01	
3/30/2017	<0.01	<0.01		<0.01		
4/3/2017			<0.01			
4/7/2017					<0.01	<0.01
6/9/2017	<0.01		<0.01			
6/12/2017		<0.01		<0.01		<0.01
6/14/2017					<0.01	
7/12/2017					<0.01	
7/20/2017					<0.01	
7/28/2017					<0.01	
8/9/2017					<0.01	
8/24/2017					<0.01	
10/2/2017	<0.01	<0.01	<0.01			<0.01
10/3/2017					<0.01	
10/4/2017				<0.01		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		0.0016 (J)		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			<0.01		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		<0.01		
3/21/2019					<0.01	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/12/2019	<0.01	<0.01 (D)			<0.01	
9/13/2019			<0.01	<0.01		<0.01
3/11/2020	<0.01	0.0021 (J)	<0.01	<0.01		<0.01
3/12/2020					<0.01	
9/15/2020	<0.01	<0.01	<0.01			
9/16/2020						<0.01
9/17/2020					<0.01	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01	
11/19/2007						<0.01
11/20/2007		<0.01	<0.01			
1/16/2008						<0.01
1/30/2008		<0.01	<0.01	<0.01	<0.01	
3/5/2008				<0.01		<0.01
3/6/2008		<0.01	<0.01		<0.01	
5/7/2008				<0.01	<0.01	
5/8/2008			<0.01			
5/12/2008		<0.01				
5/13/2008						<0.01
12/12/2008	<0.01					
12/13/2008		<0.01				<0.01
12/14/2008			<0.01	<0.01	<0.01	
4/16/2009						<0.01
4/23/2009	<0.01					
4/29/2009		<0.01	<0.01	<0.01	<0.01	
10/6/2009	<0.01					
10/20/2009		<0.01				
10/21/2009			<0.01			<0.01
10/22/2009				<0.01	<0.01	
4/21/2010			<0.01	<0.01	<0.01	
4/26/2010		<0.01				
4/27/2010						<0.01
5/3/2010	<0.01					
9/28/2010			<0.01	<0.01		
9/29/2010		<0.01			<0.01	
10/5/2010						<0.01
10/11/2010	<0.01					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						<0.01
4/27/2011	<0.01					
10/4/2011			<0.01	<0.01	<0.01	
10/5/2011		<0.01				
10/12/2011						<0.01
10/19/2011	<0.01					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	<0.01					<0.01
10/3/2012		<0.01		<0.01	<0.01	
10/8/2012			<0.01			
4/2/2013						<0.01
4/3/2013		<0.01	<0.01	<0.01	<0.01	
4/10/2013	<0.01					
10/9/2013				<0.01	<0.01	<0.01
10/15/2013		<0.01	<0.01			
10/16/2013	<0.01					

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.01
4/2/2014				<0.01	<0.01	
4/9/2014		<0.01	<0.01			
4/22/2014	<0.01					
10/1/2014	<0.01					
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01
3/30/2015	<0.01					
4/1/2015				<0.01	<0.01	<0.01
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	<0.01			<0.01	<0.01	
10/12/2015			<0.01			
10/14/2015						<0.01
3/28/2016	<0.01					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	<0.01	<0.01
5/25/2016	<0.01					
5/26/2016		<0.01	<0.01	<0.01	<0.01	
5/27/2016						<0.01
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
9/26/2016	<0.01					
9/28/2016		<0.01	<0.01	<0.01	<0.01	
9/30/2016						<0.01
11/11/2016	<0.01					
11/22/2016		<0.01	<0.01	<0.01	<0.01	<0.01
1/30/2017	<0.01					
2/7/2017		<0.01	<0.01			
2/8/2017				<0.01	<0.01	
2/13/2017						<0.01
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						<0.01
6/12/2017	<0.01					
6/14/2017		<0.01	<0.01			<0.01
6/15/2017				<0.01	<0.01	
10/2/2017	<0.01					
10/4/2017		<0.01	<0.01	<0.01	<0.01	<0.01
3/16/2018	<0.01					
3/20/2018		<0.01				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	<0.01
9/18/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2019	<0.01					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	<0.01	<0.01
9/12/2019	<0.01					
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)
3/11/2020	<0.01					
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
9/15/2020	<0.01					
9/17/2020		<0.01	<0.01			
9/21/2020				<0.01	<0.01	<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.01	<0.01				
8/23/2007					<0.01	<0.01
8/24/2007			<0.01	<0.01		
10/25/2007						<0.01
11/1/2007	<0.01	<0.01				
11/2/2007			<0.01	<0.01	<0.01	
11/17/2007			<0.01		<0.01	
11/18/2007				<0.01		
11/19/2007	<0.01	<0.01				<0.01
1/15/2008			<0.01	<0.01	<0.01	
1/23/2008						<0.01
1/31/2008	<0.01	<0.01				
3/5/2008	<0.01	<0.01	<0.01			
3/6/2008					<0.01	
3/10/2008				<0.01		
3/11/2008						<0.01
5/7/2008		<0.01	<0.01		<0.01	
5/12/2008	<0.01					<0.01
5/13/2008				<0.01		
12/2/2008			<0.01	<0.01	<0.01	
12/11/2008						<0.01
12/12/2008		<0.01				
12/13/2008	<0.01					
4/15/2009						<0.01
4/16/2009			<0.01			
4/28/2009	<0.01			<0.01	<0.01	
4/29/2009		<0.01				
10/9/2009						0.015 (o)
10/19/2009					<0.01	
10/20/2009			<0.01	<0.01		
10/21/2009	<0.01	<0.01				
4/20/2010			<0.01			
4/27/2010				<0.01	<0.01	
4/28/2010	<0.01	<0.01				
5/4/2010						<0.01
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			<0.01		
10/6/2010		<0.01				
10/12/2010						<0.01
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	<0.01			<0.01		
4/20/2011		<0.01				
4/28/2011						<0.01
10/4/2011			<0.01			
10/12/2011		<0.01		<0.01	<0.01	
10/18/2011	<0.01					
10/19/2011						<0.01
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	<0.01	<0.01				
10/9/2012						0.0054
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						0.0072
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						<0.01
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	<0.01	<0.01				
4/21/2014			<0.01	<0.01	<0.01	
4/23/2014						0.0067
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						<0.01
3/31/2015		<0.01				<0.01
4/1/2015	<0.01					
4/3/2015			<0.01	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			<0.01		<0.01	
10/12/2015						<0.01
10/14/2015		<0.01				
10/15/2015	0.0055					
3/28/2016						<0.01
4/4/2016	0.00286 (J)	<0.01				
4/5/2016			<0.01	<0.01	<0.01	
5/25/2016						<0.01
5/31/2016	0.00303 (J)			<0.01	<0.01	
6/1/2016		<0.01	<0.01			
8/1/2016						<0.01
8/4/2016	0.005 (J)				<0.01	
8/9/2016			<0.01			
9/27/2016						<0.01
9/29/2016	0.0074 (J)				<0.01	
11/11/2016						<0.01
11/23/2016				<0.01	0.0016 (J)	
11/28/2016	0.0073 (J)		<0.01			
1/31/2017						<0.01
2/9/2017	0.0067 (J)		<0.01			
2/10/2017				<0.01	<0.01	
2/22/2017		0.0014 (J)				
4/3/2017						<0.01
4/11/2017		0.0024 (J)	<0.01	<0.01		
4/12/2017	0.0048 (J)				<0.01	
6/12/2017						<0.01
6/14/2017			<0.01			
6/15/2017				<0.01	<0.01	
6/16/2017	0.007 (J)	<0.01				
7/12/2017		0.0019 (J)	<0.01	<0.01		
7/26/2017				<0.01		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
7/28/2017		<0.01				
8/10/2017		0.0019 (J)				
10/3/2017						<0.01
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	<0.01	
10/9/2017	0.0048 (J)					
3/19/2018						<0.01
3/21/2018	0.0021 (J)					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	0.0019 (J)		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			<0.01	<0.01	<0.01	
9/18/2019	0.0018 (J)	<0.01				
3/13/2020	0.0019 (J)		0.0016 (J)	<0.01	<0.01	
3/16/2020						<0.01
3/17/2020		<0.01				
9/16/2020						<0.01
9/21/2020			<0.01	<0.01	<0.01	
9/22/2020	<0.01	<0.01				

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						<0.01
11/20/2007	<0.01					
1/15/2008						<0.01
1/23/2008	<0.01					
3/6/2008						<0.01
3/11/2008	<0.01					
5/13/2008						<0.01
5/14/2008	<0.01					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						<0.01
4/23/2009	<0.01					
10/9/2009	<0.01					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	<0.01					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				<0.01		
4/14/2014	<0.01					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	<0.01					
4/1/2015	<0.01					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			<0.01 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				<0.01	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						<0.01 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		0.00202 (J)
5/24/2016	<0.01	<0.01		<0.01		
5/25/2016					<0.01	
5/26/2016						<0.01
5/31/2016			<0.01			
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
9/26/2016	<0.01	<0.01			<0.01	
9/27/2016			<0.01	<0.01		
9/28/2016						<0.01
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			<0.01		<0.01	<0.01
11/22/2016				<0.01		
2/1/2017	<0.01	<0.01	<0.01			
2/3/2017					<0.01	
2/6/2017				<0.01		<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
6/13/2017	<0.01	<0.01	<0.01		<0.01	<0.01
6/14/2017				<0.01		
7/14/2017			<0.01			
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	
9/16/2020	<0.01	<0.01	<0.01			
9/17/2020				<0.01	<0.01	<0.01

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	<0.01		
10/23/2007	<0.01					
10/24/2007		<0.01	<0.01			
11/2/2007				<0.01		
11/18/2007	<0.01	<0.01	<0.01	<0.01		
1/30/2008	<0.01					
1/31/2008		<0.01	<0.01	<0.01		
3/10/2008	<0.01		<0.01			
3/11/2008		<0.01		<0.01		
5/6/2008		<0.01				
5/13/2008	<0.01		<0.01			
5/14/2008				<0.01		
12/4/2008		<0.01	<0.01			
12/5/2008	<0.01			<0.01		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		<0.01	<0.01			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	<0.01	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		<0.01				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						<0.01
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		<0.01				<0.01

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	<0.01		
4/10/2014			<0.01			0.0025 (J)
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				<0.01		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				<0.01		
3/30/2015	<0.01	<0.01	<0.01			<0.01
3/31/2015				<0.01		
10/11/2015						<0.01
10/12/2015				<0.01		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	<0.01					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
7/29/2016	<0.01	<0.01	<0.01	<0.01		
8/1/2016						0.0004 (J)
3/30/2017	<0.01	<0.01		<0.01		
4/3/2017			<0.01			
4/7/2017					<0.01	0.0005 (J)
10/2/2017	<0.01	<0.01	<0.01			0.0006 (J)
10/3/2017					<0.01	
10/4/2017				<0.01		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			<0.01		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		<0.01		
3/21/2019					<0.01	
9/12/2019	<0.01	<0.01 (D)			<0.01	
9/13/2019			<0.01	<0.01		0.00045 (J)
3/11/2020	<0.01	<0.01	<0.01	<0.01		0.00039 (J)
3/12/2020					<0.01	
9/15/2020	<0.01	<0.01	<0.01			
9/16/2020						0.00042 (J)
9/17/2020				<0.01		

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01	
11/19/2007						<0.01
11/20/2007		<0.01	<0.01			
1/16/2008						<0.01
1/30/2008		<0.01	<0.01	<0.01	<0.01	
3/5/2008				<0.01		0.0046
3/6/2008		<0.01	<0.01		<0.01	
5/7/2008				<0.01	<0.01	
5/8/2008			<0.01			
5/12/2008		<0.01				
5/13/2008						<0.01
12/12/2008	<0.01					
12/13/2008		<0.01				<0.01
12/14/2008			<0.01	<0.01	<0.01	
4/16/2009						<0.01
4/23/2009	<0.01					
4/29/2009		<0.01	<0.01	<0.01	<0.01	
10/6/2009	0.0048					
10/20/2009		<0.01				
10/21/2009			<0.01			<0.01
10/22/2009				<0.01	<0.01	
4/21/2010			<0.01	<0.01	<0.01	
4/26/2010		<0.01				
4/27/2010						<0.01
5/3/2010	<0.01					
9/28/2010			<0.01	<0.01		
9/29/2010		<0.01			<0.01	
10/5/2010						<0.01
10/11/2010	<0.01					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			<0.01	
4/19/2011						<0.01
4/27/2011	0.004					
10/4/2011			<0.01	<0.01	<0.01	
10/5/2011		<0.01				
10/12/2011						<0.01
10/19/2011	<0.01					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	<0.01					<0.01
10/3/2012		<0.01		<0.01	<0.01	
10/8/2012			<0.01			
4/2/2013						<0.01
4/3/2013		<0.01	<0.01	<0.01	<0.01	
4/10/2013	<0.01					
10/9/2013				<0.01	<0.01	<0.01
10/15/2013		<0.01	<0.01			
10/16/2013	0.0034					

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.01
4/2/2014				<0.01	<0.01	
4/9/2014		<0.01	<0.01			
4/22/2014	0.0034					
10/1/2014	0.0012 (J)					
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01
3/30/2015	0.003					
4/1/2015				<0.01	<0.01	<0.01
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	0.0018 (J)			<0.01	<0.01	
10/12/2015			<0.01			
10/14/2015						<0.01
3/28/2016	0.0022 (J)					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	<0.01	<0.01
8/1/2016	0.0016 (J)					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
4/3/2017	0.0022 (J)					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						<0.01
10/2/2017	0.0021 (J)					
10/4/2017		<0.01	<0.01	<0.01	<0.01	<0.01
3/16/2018	0.0023 (J)					
3/20/2018		<0.01				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	<0.01
9/18/2018	0.0017 (J)	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2019	0.0017 (J)					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	<0.01	<0.01
9/12/2019	0.0028 (J)					
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)
3/11/2020	0.0013 (J)					
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01
9/15/2020	0.0012 (J)					
9/17/2020		<0.01	<0.01			
9/21/2020				<0.01	<0.01	<0.01

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.01	<0.01				
8/23/2007					<0.01	<0.01
8/24/2007			<0.01	<0.01		
10/25/2007						<0.01
11/1/2007	<0.01	<0.01				
11/2/2007			<0.01	<0.01	<0.01	
11/17/2007			<0.01		<0.01	
11/18/2007				<0.01		
11/19/2007	<0.01	<0.01				<0.01
1/15/2008			<0.01	<0.01	<0.01	
1/23/2008						<0.01
1/31/2008	<0.01	<0.01				
3/5/2008	<0.01	<0.01	<0.01			
3/6/2008					<0.01	
3/10/2008				<0.01		
3/11/2008						<0.01
5/7/2008		<0.01	<0.01		<0.01	
5/12/2008	<0.01					<0.01
5/13/2008				<0.01		
12/2/2008			<0.01	<0.01	<0.01	
12/11/2008						<0.01
12/12/2008		<0.01				
12/13/2008	<0.01					
4/15/2009						<0.01
4/16/2009			<0.01			
4/28/2009	<0.01			<0.01	<0.01	
4/29/2009		0.0026				
10/9/2009						<0.01
10/19/2009					<0.01	
10/20/2009			<0.01	<0.01		
10/21/2009	<0.01	<0.01				
4/20/2010			<0.01			
4/27/2010				<0.01	<0.01	
4/28/2010	<0.01	<0.01				
5/4/2010						<0.01
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			<0.01		
10/6/2010		<0.01				
10/12/2010						<0.01
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	<0.01			<0.01		
4/20/2011		<0.01				
4/28/2011						<0.01
10/4/2011			<0.01			
10/12/2011		<0.01		<0.01	<0.01	
10/18/2011	<0.01					
10/19/2011						<0.01
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	<0.01	<0.01				
10/9/2012						<0.01
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						<0.01
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						<0.01
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	<0.01	<0.01				
4/21/2014			<0.01	<0.01	<0.01	
4/23/2014						<0.01
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						<0.01
3/31/2015		<0.01				<0.01
4/1/2015	<0.01					
4/3/2015			<0.01	<0.01	<0.01	
10/6/2015				<0.01		
10/7/2015			<0.01		<0.01	
10/12/2015						<0.01
10/14/2015		<0.01				
10/15/2015	<0.01					
3/28/2016						<0.01
4/4/2016	<0.01	<0.01				
4/5/2016			<0.01	<0.01	<0.01	
8/1/2016						<0.01
8/4/2016	<0.01				<0.01	
8/9/2016			<0.01			
4/3/2017						<0.01
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	<0.01				<0.01	
10/3/2017						<0.01
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	<0.01	
10/9/2017	<0.01					
3/19/2018						<0.01
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	<0.01		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			<0.01	<0.01	<0.01	
9/18/2019	<0.01	<0.01				

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/13/2020	<0.01		<0.01	<0.01	<0.01	
3/16/2020						<0.01
3/17/2020		<0.01				
9/16/2020						<0.01
9/21/2020			<0.01	<0.01	<0.01	
9/22/2020	<0.01	<0.01				

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						<0.01
11/20/2007	<0.01					
1/15/2008						<0.01
1/23/2008	<0.01					
3/6/2008						<0.01
3/11/2008	<0.01					
5/13/2008						<0.01
5/14/2008	<0.01					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						<0.01
4/23/2009	<0.01					
10/9/2009	<0.01					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	<0.01					
9/29/2010						<0.01
10/11/2010	<0.01					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				<0.01		
4/14/2014	<0.01					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	<0.01					
4/1/2015	<0.01					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			<0.01 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				<0.01	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						<0.01 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Silver (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	
9/16/2020	<0.01	<0.01	<0.01			
9/17/2020				<0.01	<0.01	<0.01

Time Series

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	2.3685					
3/23/2016		105.552	26.8249	0.8724 (J)		
3/28/2016						0.7283 (J)
5/19/2016	2.14		3.81			
5/20/2016		44.3				
5/23/2016				0.805 (J)		0.728 (J)
7/29/2016	1.9	48	1.1	0.84 (J)		
8/1/2016						0.78 (J)
9/22/2016			0.96 (J)	0.94 (J)		
9/23/2016	2	43				
9/26/2016						0.82 (J)
11/9/2016	1.6	31				
11/10/2016			0.72 (J)	1.1		0.92 (J)
1/30/2017	1.8					<1
1/31/2017		4.2	1.5	0.92 (J)		
2/22/2017					22	
3/30/2017	1.6	53		0.77 (J)		
4/3/2017			1.3			
4/7/2017					18	0.82 (J)
6/9/2017	1.7		1.2			
6/12/2017		95		0.68 (J)		0.78 (J)
6/14/2017					20	
7/12/2017					18	
7/20/2017					20	
7/28/2017					18	
8/9/2017					19	
8/24/2017					21	
10/2/2017	1.8	3.5	1.7			0.71 (J)
10/3/2017					25	
10/4/2017				0.5 (J)		
12/28/2017					26 (Y)	
3/16/2018	1.5		14.8 (J)			0.67 (J)
3/19/2018		147		0.49 (J)		
3/21/2018					25.4	
9/14/2018		7.7	2.1			
9/17/2018	1.3 (D)			0.36 (J)		0.47 (J)
9/18/2018					22.8	
3/19/2019			32.5 (J)			0.52 (J)
3/20/2019	1.5	3.6		0.38 (J)		
3/21/2019					24.9	
9/12/2019	0.98 (J)	5.2			16.5	
9/13/2019			3.8	<1		0.55 (J)
3/11/2020	0.94 (J)	131	34.3	<1		<1
3/12/2020					20.8	
9/15/2020	0.96 (J)	35.3	1			
9/16/2020						<1
9/17/2020					20.3	

Time Series

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	0.9594 (J)					
3/31/2016		1.17	1.5			
4/4/2016				2.57	2.99	0.3574 (J)
5/25/2016	1.59					
5/26/2016		1.01	1.51	2.5	2.68	
5/27/2016						<1
8/1/2016	1					
8/3/2016			1.4	3		0.35 (J)
8/4/2016					3.6	
8/5/2016		1.1				
9/26/2016	1.2					
9/28/2016		1	1.6	2.3	4.4	
9/30/2016						0.47 (J)
11/11/2016	1.2					
11/22/2016		1.8	1.6	3.8	3.8	0.36 (J)
1/30/2017	<1					
2/7/2017		1.7	2			
2/8/2017				3.1	2.7	
2/13/2017						0.79 (J)
4/3/2017	1.3					
4/10/2017		1.9	1.7	2.5	2.2	
4/11/2017						0.42 (J)
6/12/2017	1.1					
6/14/2017		1.1	1.4			0.3 (J)
6/15/2017				2.5	2.3	
10/2/2017	1.1					
10/4/2017		1.8	1.4	2.5	2.8	0.36 (J)
3/16/2018	0.87 (J)					
3/20/2018		1.4				
3/21/2018			1.1	2.4		
3/22/2018					2.2	0.3 (J)
9/18/2018	0.87 (J)	1.6	1.9	2.8	2.6	<1
3/19/2019	0.97 (J)					
3/22/2019		1.6	1.3			
3/23/2019				2.1	2.1	0.3 (J)
9/12/2019	0.8 (J)					
9/17/2019		1.2	1.6	2.6	2	<1 (D)
3/11/2020	0.85 (J)					
3/12/2020		1.3	0.99 (J)	1.8	1.5	<1
9/15/2020	0.54 (J)					
9/17/2020		0.87 (J)	0.95 (J)			
9/21/2020				2	1.8	<1

Time Series

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/28/2016						1.87
4/4/2016	24.8	17.5				
4/5/2016			1.65	10.1	7.45	
5/25/2016						1.41
5/31/2016	42.5			12.1	7.29	
6/1/2016		20.9	1.75			
8/1/2016						1.5
8/4/2016	91				7.6	
9/27/2016						1.4
9/29/2016	110				6.1	
11/11/2016						1.5
11/23/2016				1.3	10	
11/28/2016	120		2.7			
1/31/2017						1.8
2/9/2017	150		2.7			
2/10/2017				4.2	6.7	
2/22/2017		48				
4/3/2017						1.5
4/11/2017		41	4.9	3.2		
4/12/2017	120				9.2	
6/12/2017						2.1
6/14/2017			2.4			
6/15/2017				2.5	9.2	
6/16/2017	120	33				
7/12/2017		58	4.1	6.9		
7/26/2017				2.9		
7/28/2017		55				
8/10/2017		66				
10/3/2017						1.4
10/5/2017			1.6			
10/6/2017		77		6.6	10	
10/9/2017	130					
3/19/2018						1.3
3/21/2018	59.1					
3/22/2018			2.5			
3/23/2018		75.8		1.6	10.6	
9/17/2018						1.3
9/19/2018	64.5		1.7	2.6	10.4	
9/20/2018		72.2				
3/20/2019						1.3
3/22/2019		57.9	6.2	2.1		
3/23/2019	15.5 (J)					
3/25/2019					11.2	
9/16/2019						1.2
9/17/2019			6.1	1.6	13.1	
9/18/2019	50.7	68.1				
3/13/2020	16.9		11.1	1.1	8.8	
3/16/2020						1.1
3/17/2020		72.1				
9/16/2020						1.1
9/21/2020			5.5	0.9 (J)	9	
9/22/2020	39.6	69.8				

Time Series

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					3.9321	
3/29/2016	3.5801	1.4863				
3/30/2016				1.9542		2
5/24/2016	2.79	1.62		0.989 (J)		
5/25/2016					2.68	
5/26/2016						2.93
5/31/2016			2.03			
8/1/2016	2.2	2.3				
8/2/2016			0.96 (J)	1	2.7	
8/5/2016						3.6
9/26/2016	1.8	2.4			2.9	
9/27/2016			0.87 (J)	0.95 (J)		
9/28/2016						3.2
11/14/2016		2.8				
11/18/2016	1.8					
11/21/2016			0.93 (J)		2.8	3.3
11/22/2016				1.1		
2/1/2017	2.8	2.6	0.76 (J)			
2/3/2017					2.7	
2/6/2017				0.96 (J)		1.3
4/6/2017	<1	<1	<1	<1		<1
4/7/2017					2.3	
6/13/2017	2.8	2.2	0.58 (J)		2	2
6/14/2017				0.97 (J)		
7/14/2017			0.04 (J)			
10/3/2017	2.6	2.6	0.87 (J)		1.9	2.8
10/4/2017				0.84 (J)		
3/19/2018	2.6					
3/20/2018		2.5	0.5 (J)		1.6	1.2
3/21/2018				1.2		
9/17/2018	2.2	2.5				
9/18/2018			0.65 (J)	0.9 (J)	1.6	2.6
3/21/2019	2.7	1.7	1.9			2.3
3/27/2019				1.5		
5/6/2019					2.1	
9/13/2019			0.76 (J)			
9/16/2019	2	1.6		0.69 (JD)	1	3
3/12/2020	2.1	1.4	1.7	1.8		1.1
3/16/2020					0.66 (J)	
9/16/2020	1.8	1.3	1.1			
9/17/2020				0.6 (J)	0.74 (J)	3.5

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/30/2015			7E-05			
10/11/2015						<0.001
10/12/2015				<0.001		
10/13/2015	<0.001	<0.001	<0.001			
3/22/2016	<0.001					
3/23/2016		<0.001	<0.001	<0.001		
3/28/2016						<0.001
5/19/2016	<0.001		<0.001			
5/20/2016		<0.001				
5/23/2016				<0.001		<0.001
7/29/2016	<0.001	<0.001	<0.001	<0.001		
8/1/2016						<0.001
9/22/2016			<0.001	<0.001		
9/23/2016	<0.001	<0.001				
9/26/2016						<0.001
11/9/2016	<0.001	<0.001				
11/10/2016			<0.001	<0.001		<0.001
1/30/2017	<0.001					<0.001
1/31/2017		<0.001	<0.001	<0.001		
2/22/2017					<0.001	
3/30/2017	<0.001	<0.001		<0.001		
4/3/2017			<0.001			
4/7/2017					<0.001	<0.001
6/9/2017	<0.001		<0.001			
6/12/2017		<0.001		<0.001		<0.001
6/14/2017					<0.001	
7/12/2017					<0.001	
7/20/2017					<0.001	
7/28/2017					<0.001	
8/9/2017					<0.001	
8/24/2017					<0.001	
10/2/2017	<0.001	<0.001	<0.001			<0.001
10/3/2017					<0.001	
10/4/2017				<0.001		
3/16/2018	<0.001		<0.001			<0.001
3/19/2018		<0.001		<0.001		
3/21/2018					<0.001	
9/14/2018		<0.001	<0.001			
9/17/2018	<0.001 (D)			<0.001		<0.001
9/18/2018					<0.001	
3/19/2019			<0.001			<0.001
3/20/2019	<0.001	<0.001		<0.001		
3/21/2019					<0.001	
9/12/2019	<0.001	<0.001 (D)			<0.001	
9/13/2019			6.2E-05 (J)	<0.001		<0.001
3/11/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/12/2020					<0.001	
9/15/2020	<0.001	<0.001	<0.001			
9/16/2020						<0.001
9/17/2020					<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
10/10/2015		<0.001				
10/11/2015	<0.001			<0.001	0.0002	
10/12/2015			<0.001			
10/14/2015						<0.001
3/28/2016	<0.001					
3/31/2016		<0.001	<0.001			
4/4/2016				<0.001	<0.001	<0.001
5/25/2016	<0.001					
5/26/2016		<0.001	<0.001	<0.001	<0.001	
5/27/2016						<0.001
8/1/2016	<0.001					
8/3/2016			0.0001 (J)	<0.001		<0.001
8/4/2016					<0.001	
8/5/2016		<0.001				
9/26/2016	<0.001					
9/28/2016		<0.001	<0.001	<0.001	<0.001	
9/30/2016						<0.001
11/11/2016	<0.001					
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001
1/30/2017	<0.001					
2/7/2017		<0.001	<0.001			
2/8/2017				<0.001	<0.001	
2/13/2017						<0.001
4/3/2017	<0.001					
4/10/2017		<0.001	<0.001	<0.001	<0.001	
4/11/2017						<0.001
6/12/2017	<0.001					
6/14/2017		<0.001	<0.001			<0.001
6/15/2017				<0.001	<0.001	
10/2/2017	<0.001					
10/4/2017		<0.001	<0.001	<0.001	<0.001	<0.001
3/16/2018	<0.001					
3/20/2018		<0.001				
3/21/2018			<0.001	<0.001		
3/22/2018					<0.001	<0.001
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2019	<0.001					
3/22/2019		<0.001	<0.001			
3/23/2019				<0.001	<0.001	<0.001
9/12/2019	<0.001					
9/17/2019		<0.001	<0.001	<0.001	<0.001	<0.001 (D)
3/11/2020	5.9E-05 (J)					
3/12/2020		<0.001	5.4E-05 (J)	<0.001	<0.001	<0.001
9/15/2020	<0.001					
9/17/2020		<0.001	<0.001			
9/21/2020				<0.001	<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
10/6/2015				0.0005 (D)		
10/7/2015			<0.001 (D)		<0.001 (D)	
10/12/2015						<0.001
10/14/2015		<0.001				
10/15/2015	<0.001					
3/28/2016						<0.001
4/4/2016	<0.001	<0.001				
4/5/2016			<0.001	0.00971 (o)	<0.001	
5/25/2016						<0.001
5/31/2016	<0.001			0.000373 (J)	<0.001	
6/1/2016		<0.001	<0.001			
8/1/2016						<0.001
8/4/2016	<0.001				<0.001	
8/9/2016			<0.001			
9/27/2016						<0.001
9/29/2016	<0.001				<0.001	
11/11/2016						<0.001
11/23/2016				<0.001	<0.001	
11/28/2016	<0.001		<0.001			
1/31/2017						<0.001
2/9/2017	<0.001		<0.001			
2/10/2017				<0.001	<0.001	
2/22/2017		<0.001				
4/3/2017						<0.001
4/11/2017		<0.001	<0.001	<0.001		
4/12/2017	<0.001				<0.001	
6/12/2017						<0.001
6/14/2017			<0.001			
6/15/2017				<0.001	<0.001	
6/16/2017	<0.001	<0.001				
7/12/2017		6E-05 (J)	<0.001	<0.001		
7/26/2017				<0.001		
7/28/2017		<0.001				
8/10/2017		<0.001				
10/3/2017						<0.001
10/5/2017			<0.001			
10/6/2017		<0.001		<0.001	<0.001	
10/9/2017	<0.001					
3/19/2018						<0.001
3/21/2018	<0.001					
3/22/2018			<0.001			
3/23/2018		<0.001		<0.001	<0.001	
9/17/2018						<0.001
9/19/2018	<0.001		<0.001	<0.001	<0.001	
9/20/2018		<0.001				
3/20/2019						<0.001
3/22/2019		<0.001	<0.001	<0.001		
3/23/2019	<0.001					
3/25/2019					<0.001	
9/16/2019						8.4E-05 (J)
9/17/2019			<0.001	<0.001	<0.001	
9/18/2019	<0.001	<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/13/2020	<0.001		<0.001	<0.001	<0.001	
3/16/2020						<0.001
3/17/2020		<0.001				
9/16/2020						<0.001
9/21/2020			<0.001	<0.001	<0.001	
9/22/2020	<0.001	<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
10/8/2015				<0.001 (D)	0.0001 (D)	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			<0.001	<0.001	<0.001	
8/5/2016						<0.001
9/26/2016	<0.001	<0.001			<0.001	
9/27/2016			<0.001	<0.001		
9/28/2016						<0.001
11/14/2016		<0.001				
11/18/2016	<0.001					
11/21/2016			<0.001		<0.001	<0.001
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	<0.001			
2/3/2017					<0.001	
2/6/2017				<0.001		<0.001
4/6/2017	5E-05 (J)	<0.001	<0.001	<0.001		<0.001
4/7/2017					<0.001	
6/13/2017	<0.001	<0.001	<0.001		7E-05 (J)	<0.001
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	<0.001		<0.001	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		<0.001	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					<0.001	
9/13/2019			5.7E-05 (J)			
9/16/2019	<0.001	<0.001		<0.001 (D)	<0.001	<0.001
3/12/2020	<0.001	<0.001	0.00022 (J)	<0.001		<0.001
3/16/2020					<0.001	
9/16/2020	<0.001	<0.001	0.00019 (J)			
9/17/2020				<0.001	<0.001	<0.001

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/22/2016	150					
3/23/2016		259	174	<25		
3/28/2016						<25
5/19/2016	150		93			
5/20/2016		122				
5/23/2016				<25		32
7/29/2016	146	156	68	17 (J)		
8/1/2016						<25
9/22/2016			91	33		
9/23/2016	163	150				
9/26/2016						45
11/9/2016	147	87				
11/10/2016			96	41		38
1/30/2017	127					<25
1/31/2017		63	206	58		
2/22/2017					329	
3/30/2017	137	112		<25		
4/3/2017			118			
4/7/2017					295	18 (J)
6/9/2017	164		87			
6/12/2017		216		20 (J)		15 (J)
6/14/2017					237	
7/12/2017					400	
7/20/2017					203	
7/28/2017					262	
8/9/2017					195	
8/24/2017					236	
10/2/2017	137	<25	73			17 (J)
10/3/2017					224	
10/4/2017				<25		
3/16/2018	140		130			<25
3/19/2018		295		<25		
3/21/2018					237	
9/14/2018		30	103			
9/17/2018	162			32		38
9/18/2018					227	
3/19/2019			208			34
3/20/2019	175	49		30		
3/21/2019					367	
9/12/2019	174	44			200	
9/13/2019			113	19		19
3/11/2020	172	309	170	24		17
3/12/2020					247	
9/15/2020	156	28	89			
9/16/2020						20
9/17/2020					223	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
3/28/2016	46					
3/31/2016		122	135			
4/4/2016				79	135	58
5/25/2016	57					
5/26/2016		143	163	105	124	
5/27/2016						66
8/1/2016	<25					
8/3/2016			159	106		65
8/4/2016					109	
8/5/2016		143				
9/26/2016	60					
9/28/2016		160	208	148	104	
9/30/2016						60
11/11/2016	13 (J)					
11/22/2016		149	152	88	94	63
1/30/2017	<25					
2/7/2017		123	128			
2/8/2017				62	141 (J)	
2/13/2017						104 (J)
4/3/2017	100					
4/10/2017		95	186	92	114	
4/11/2017						63
6/12/2017	51					
6/14/2017		150	150			97
6/15/2017				96	153	
10/2/2017	32					
10/4/2017		140	153	78	121	74
3/16/2018	<25					
3/20/2018		93				
3/21/2018			192	111		
3/22/2018					139	54
9/18/2018	15 (J)	155	155	106	139	73
3/19/2019	48					
3/22/2019		95	140			
3/23/2019				64	148	58
9/12/2019	46					
9/17/2019		165	172	101	143	62
3/11/2020	24					
3/12/2020		63	81	96	125	64
9/15/2020	12					
9/17/2020		140	125			
9/21/2020				93	145	62

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/28/2016						<25
4/4/2016	156	110				
4/5/2016			42	53	103	
5/25/2016						34
5/31/2016	192			70	157	
6/1/2016		121	63			
8/1/2016						25
8/4/2016	269				154	
8/9/2016			267			
9/27/2016						20 (J)
9/29/2016	288				142	
11/11/2016						41
11/23/2016				118	172	
11/28/2016	224		116			
1/31/2017						127
2/9/2017	386		212 (J)			
2/10/2017				214	237	
2/22/2017		311				
4/3/2017						69
4/11/2017		212	113	127		
4/12/2017	254				168	
6/12/2017						46
6/14/2017			120			
6/15/2017				126	176	
6/16/2017	309	262				
7/12/2017		310	153	164		
7/26/2017				129		
7/28/2017		289				
8/10/2017		288				
10/3/2017						34
10/5/2017			102			
10/6/2017		268		140	155	
10/9/2017	269					
3/19/2018						<25
3/21/2018	211					
3/22/2018			115			
3/23/2018		281		119	170	
9/17/2018						38
9/19/2018	222		114	138	181	
9/20/2018		297				
3/20/2019						66
3/22/2019		249	104	116		
3/23/2019	135					
3/25/2019					167	
9/16/2019						45
9/17/2019			86	117	179	
9/18/2019	200	281				
3/13/2020	143		59	76	169	
3/16/2020						20
3/17/2020		256				
9/16/2020						30
9/21/2020			94	122	186	

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
9/22/2020	176	248				

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					111	
3/29/2016	51	64				
3/30/2016				104		26
5/24/2016	76	77		94		
5/25/2016					95	
5/26/2016						70
5/31/2016			120			
8/1/2016	69	35				
8/2/2016			100	105	124	
8/5/2016						95
9/26/2016	103	111			140	
9/27/2016			121	119		
9/28/2016						152
11/14/2016		76				
11/18/2016	77					
11/21/2016			164		154	145
11/22/2016				105		
2/1/2017	168	126	144			
2/3/2017					113	
2/6/2017				99		20 (J)
4/6/2017	95	146	125	124		17 (J)
4/7/2017					147	
6/13/2017	101	84	148		117	32
6/14/2017				114		
7/14/2017			121			
10/3/2017	83	70	117		150	71
10/4/2017				107		
3/19/2018	70					
3/20/2018		78	136		121	49
3/21/2018				117		
9/17/2018	77	74				
9/18/2018			116	110	93	38
3/21/2019	80	60	107			39
3/27/2019				101		
5/6/2019					118	
9/13/2019			115			
9/16/2019	82	65		113	99	85
3/12/2020	42	22	86	84		16
3/16/2020					76	
9/16/2020	77	52	124			
9/17/2020				111	98	94

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	<0.01	<0.01	<0.01	<0.01		
10/23/2007	<0.01					
10/24/2007		<0.01	<0.01			
11/2/2007				<0.01		
11/18/2007	<0.01	0.0051	<0.01	0.0046		
1/30/2008	<0.01					
1/31/2008		<0.01	0.0078	<0.01		
3/10/2008	<0.01		<0.01			
3/11/2008		0.0032		<0.01		
5/6/2008		<0.01				
5/13/2008	<0.01		<0.01			
5/14/2008				<0.01		
12/4/2008		0.016 (o)	<0.01			
12/5/2008	<0.01			<0.01		
12/12/2008						<0.01
4/15/2009	<0.01			<0.01		
4/21/2009		0.005	0.0036			
4/23/2009						<0.01
10/6/2009						<0.01
10/7/2009	0.0099	<0.01				
10/8/2009			<0.01	<0.01		
4/21/2010			<0.01			
4/26/2010		<0.01				
4/27/2010						<0.01
4/28/2010				<0.01		
5/3/2010	<0.01					
9/28/2010			<0.01			
9/30/2010						<0.01
10/4/2010		0.0025				
10/6/2010				<0.01		
10/12/2010	<0.01					
4/12/2011			<0.01			
4/13/2011		<0.01				
4/14/2011						<0.01
4/21/2011				<0.01		
4/27/2011	<0.01					
10/4/2011			<0.01			
10/5/2011		<0.01				<0.01
10/13/2011				<0.01		
10/17/2011	<0.01					
4/3/2012			<0.01			
4/11/2012		<0.01				<0.01
5/1/2012				<0.01		
5/2/2012	<0.01					
10/2/2012						<0.01
10/8/2012	<0.01					
10/9/2012		<0.01	<0.01	<0.01		
4/9/2013						<0.01
4/11/2013			<0.01	<0.01		
4/12/2013	<0.01					
4/15/2013		<0.01				
10/15/2013		<0.01				<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	<0.01		<0.01	<0.01		
4/10/2014			0.005 (J)			<0.01
4/11/2014	<0.01					
4/22/2014		<0.01				
4/23/2014				<0.01		
9/30/2014	<0.01	<0.01	<0.01			
10/1/2014						<0.01
10/4/2014				<0.01		
3/30/2015	0.0067	0.0016 (J)	<0.01			<0.01
3/31/2015				0.0023 (J)		
10/11/2015						<0.01
10/12/2015				<0.01		
10/13/2015	<0.01	<0.01	<0.01			
3/22/2016	0.00214 (J)					
3/23/2016		<0.01	<0.01	<0.01		
3/28/2016						<0.01
7/29/2016	<0.01	<0.01	<0.01	<0.01		
8/1/2016						<0.01
3/30/2017	<0.01	<0.01		<0.01		
4/3/2017			<0.01			
4/7/2017					<0.01	<0.01
10/2/2017	<0.01	<0.01	<0.01			<0.01
10/3/2017					<0.01	
10/4/2017				<0.01		
3/16/2018	<0.01		<0.01			<0.01
3/19/2018		<0.01		<0.01		
3/21/2018					<0.01	
9/14/2018		<0.01	<0.01			
9/17/2018	<0.01 (D)			<0.01		<0.01
9/18/2018					<0.01	
3/19/2019			<0.01			<0.01
3/20/2019	<0.01	<0.01		<0.01		
3/21/2019					<0.01	
9/12/2019	<0.01	<0.01 (D)			0.00084 (J)	
9/13/2019			0.001 (J)	<0.01		<0.01
3/11/2020	<0.01	<0.01	0.00084 (J)	<0.01		<0.01
3/12/2020					<0.01	
9/15/2020	<0.01	<0.01	<0.01			
9/16/2020						<0.01
9/17/2020					<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01	
11/19/2007						<0.01
11/20/2007		0.0034	<0.01			
1/16/2008						0.0071
1/30/2008		0.005	<0.01	<0.01	<0.01	
3/5/2008				<0.01		0.0031
3/6/2008		0.0032	<0.01		0.0047	
5/7/2008				0.0029	0.003	
5/8/2008			<0.01			
5/12/2008		<0.01				
5/13/2008						<0.01
12/12/2008	<0.01					
12/13/2008		0.0082				<0.01
12/14/2008			<0.01	0.0026	0.0056	
4/16/2009						0.0037
4/23/2009	0.0065					
4/29/2009		<0.01	<0.01	<0.01	0.018 (o)	
10/6/2009	0.0026					
10/20/2009		<0.01				
10/21/2009			<0.01			0.0047
10/22/2009				0.0026	0.0079	
4/21/2010			<0.01	<0.01	0.0075	
4/26/2010		<0.01				
4/27/2010						0.0082
5/3/2010	0.0028					
9/28/2010			<0.01	<0.01		
9/29/2010		<0.01			0.0065	
10/5/2010						<0.01
10/11/2010	0.0035					
4/12/2011			<0.01	<0.01		
4/13/2011		<0.01			0.004	
4/19/2011						0.0036
4/27/2011	0.0047					
10/4/2011			<0.01	<0.01	0.0054	
10/5/2011		<0.01				
10/12/2011						<0.01
10/19/2011	<0.01					
4/3/2012			<0.01	<0.01		
4/4/2012		<0.01			<0.01	
4/24/2012						<0.01
5/1/2012	<0.01					
10/2/2012	<0.01					<0.01
10/3/2012		<0.01		<0.01	<0.01	
10/8/2012			<0.01			
4/2/2013						<0.01
4/3/2013		<0.01	<0.01	<0.01	<0.01	
4/10/2013	<0.01					
10/9/2013				<0.01	<0.01	<0.01
10/15/2013		<0.01	<0.01			
10/16/2013	<0.01					

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						<0.01
4/2/2014				<0.01	0.005 (J)	
4/9/2014		<0.01	<0.01			
4/22/2014	0.005 (J)					
10/1/2014	<0.01					
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01
3/30/2015	0.0032 (J)					
4/1/2015				<0.01	0.0067	<0.01
4/2/2015		<0.01	<0.01			
10/10/2015		<0.01				
10/11/2015	<0.01			<0.01	0.0049 (J)	
10/12/2015			<0.01			
10/14/2015						0.0022 (J)
3/28/2016	<0.01					
3/31/2016		<0.01	<0.01			
4/4/2016				<0.01	0.00251 (J)	<0.01
8/1/2016	<0.01					
8/3/2016			<0.01	<0.01		<0.01
8/4/2016					<0.01	
8/5/2016		<0.01				
4/3/2017	<0.01					
4/10/2017		<0.01	<0.01	<0.01	<0.01	
4/11/2017						<0.01
10/2/2017	<0.01					
10/4/2017		<0.01	<0.01	<0.01	0.0015 (J)	<0.01
3/16/2018	<0.01					
3/20/2018		<0.01				
3/21/2018			<0.01	<0.01		
3/22/2018					<0.01	<0.01
9/18/2018	<0.01	<0.01	<0.01	<0.01	0.0022 (J)	<0.01
3/19/2019	<0.01					
3/22/2019		<0.01	<0.01			
3/23/2019				<0.01	<0.01	<0.01
9/12/2019	<0.01					
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)
3/11/2020	<0.01					
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01
9/15/2020	<0.01					
9/17/2020		<0.01	<0.01			
9/21/2020				<0.01	<0.01	<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	<0.01	<0.01				
8/23/2007					<0.01	0.0032
8/24/2007			0.012	0.0027		
10/25/2007						<0.01
11/1/2007	<0.01	0.0048				
11/2/2007			<0.01	0.012	<0.01	
11/17/2007			0.0043		<0.01	
11/18/2007				0.016 (J)		
11/19/2007	0.0035	0.0054				<0.01
1/15/2008			0.0037	0.018	<0.01	
1/23/2008						<0.01
1/31/2008	0.0039	0.003				
3/5/2008	<0.01	<0.01	0.0049			
3/6/2008					<0.01	
3/10/2008				0.014		
3/11/2008						<0.01
5/7/2008		0.0041	<0.01		<0.01	
5/12/2008	0.0064					<0.01
5/13/2008				0.013		
12/2/2008			0.0097	0.016	<0.01	
12/11/2008						<0.01
12/12/2008		0.023 (o)				
12/13/2008	0.02 (o)					
4/15/2009						<0.01
4/16/2009			0.0061			
4/28/2009	0.0039			0.016	<0.01	
4/29/2009		0.006				
10/9/2009						<0.01
10/19/2009					<0.01	
10/20/2009			0.0092	0.021		
10/21/2009	0.0037	0.022 (o)				
4/20/2010			<0.01			
4/27/2010				0.012	<0.01	
4/28/2010	<0.01	0.011				
5/4/2010						<0.01
9/29/2010			<0.01			
10/4/2010					<0.01	
10/5/2010	<0.01			0.011		
10/6/2010		0.0064				
10/12/2010						<0.01
4/12/2011			<0.01			
4/18/2011					<0.01	
4/19/2011	0.0025			0.012		
4/20/2011		0.0046				
4/28/2011						<0.01
10/4/2011			<0.01			
10/12/2011		<0.01		0.0031	<0.01	
10/18/2011	0.0037					
10/19/2011						<0.01
4/4/2012			<0.01			
4/23/2012					<0.01	
4/25/2012	<0.01	<0.01		<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						<0.01
10/2/2012	<0.01	<0.01				
10/9/2012						<0.01
10/10/2012			<0.01	<0.01	<0.01	
4/2/2013	<0.01	<0.01				
4/11/2013						<0.01
4/15/2013			<0.01		<0.01	
4/16/2013				<0.01		
10/8/2013	<0.01	<0.01				
10/16/2013						<0.01
10/22/2013			<0.01	<0.01	<0.01	
4/1/2014	0.005 (J)	0.005 (J)				
4/21/2014			0.005 (J)	0.005 (J)	<0.01	
4/23/2014						<0.01
9/30/2014			<0.01	<0.01	<0.01	
10/1/2014	<0.01	<0.01				
10/3/2014						0.00097 (J)
3/31/2015		<0.01				0.00096 (J)
4/1/2015	0.0019 (J)					
4/3/2015			0.001 (J)	0.0016 (J)	<0.01	
10/6/2015				0.002 (J)		
10/7/2015			<0.01		<0.01	
10/12/2015						<0.01
10/14/2015		<0.01				
10/15/2015	<0.01					
3/28/2016						<0.01
4/4/2016	0.00211 (J)	<0.01				
4/5/2016			<0.01	0.00036 (J)	<0.01	
8/1/2016						<0.01
8/4/2016	<0.01				<0.01	
8/9/2016			<0.01			
4/3/2017						<0.01
4/11/2017		<0.01	<0.01	<0.01		
4/12/2017	0.0016 (J)				<0.01	
10/3/2017						<0.01
10/5/2017			<0.01			
10/6/2017		<0.01		<0.01	<0.01	
10/9/2017	<0.01					
3/19/2018						<0.01
3/21/2018	<0.01					
3/22/2018			<0.01			
3/23/2018		<0.01		<0.01	<0.01	
9/17/2018						<0.01
9/19/2018	0.0022 (J)		<0.01	<0.01	<0.01	
9/20/2018		<0.01				
3/20/2019						<0.01
3/22/2019		<0.01	<0.01	<0.01		
3/23/2019	<0.01					
3/25/2019					<0.01	
9/16/2019						<0.01
9/17/2019			<0.01	<0.01	<0.01	
9/18/2019	<0.01	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/13/2020	0.002 (J)		<0.01	0.00095 (J)	0.00077 (J)	
3/16/2020						<0.01
3/17/2020		<0.01				
9/16/2020						<0.01
9/21/2020			<0.01	<0.01	<0.01	
9/22/2020	<0.01	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						0.0052
11/20/2007	<0.01					
1/15/2008						0.0065
1/23/2008	0.007					
3/6/2008						0.0028
3/11/2008	0.0033					
5/13/2008						<0.01
5/14/2008	0.0043					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						0.0033
4/23/2009	<0.01					
10/9/2009	0.0043					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	0.0027					
9/29/2010						<0.01
10/11/2010	0.0034					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				0.005 (J)		
4/14/2014	0.005 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.0016 (J)					
4/1/2015	0.0021 (J)					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			0.005 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				0.0056	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.00195 (D)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	
9/16/2020	<0.01	<0.01	<0.01			
9/17/2020				<0.01	<0.01	<0.01

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
8/23/2007	0.032 (o)	0.0033	0.0079	0.066		
10/23/2007	0.0099					
10/24/2007		0.043 (o)	<0.02			
11/2/2007				0.055		
11/18/2007	0.0095 (J)	0.024	0.015	0.13		
1/30/2008	0.022 (o)					
1/31/2008		0.015	0.063 (O)	0.13		
3/10/2008	0.014		0.013 (J)			
3/11/2008		0.027		0.07		
5/6/2008		0.0032				
5/13/2008	0.0075		0.0072			
5/14/2008				0.12		
12/4/2008		0.081 (o)	0.011 (J)			
12/5/2008	0.0056 (J)			0.088		
12/12/2008						0.048 (o)
4/15/2009	0.0033			0.068		
4/21/2009		0.0057	0.0041			
4/23/2009						0.0075
10/6/2009						0.0075
10/7/2009	0.061 (o)	<0.02				
10/8/2009			<0.02	0.075		
4/21/2010			<0.02			
4/26/2010		<0.02				
4/27/2010						0.0051
4/28/2010				0.071		
5/3/2010	0.0033					
9/28/2010			0.0081			
9/30/2010						0.0089
10/4/2010		0.0057				
10/6/2010				0.074		
10/12/2010	0.0041					
4/12/2011			0.0025			
4/13/2011		<0.02				
4/14/2011						0.0043
4/21/2011				0.047		
4/27/2011	<0.02					
10/4/2011			0.0027			
10/5/2011		<0.02				0.0051
10/13/2011				0.073		
10/17/2011	0.0046					
4/3/2012			<0.02			
4/11/2012		<0.02				<0.02
5/1/2012				0.0652		
5/2/2012	<0.02					
10/2/2012						0.006
10/8/2012	0.0053					
10/9/2012		<0.02	0.0064	0.061		
4/9/2013						0.0034
4/11/2013			<0.02	0.053		
4/12/2013	0.006					
4/15/2013		0.0038				
10/15/2013		0.0044				0.0042

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3 (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/16/2013	0.0048		<0.02	0.047		
4/10/2014			0.0026			0.0035
4/11/2014	0.0033					
4/22/2014		0.0025 (J)				
4/23/2014				0.041		
9/30/2014	0.002 (J)	0.00076 (J)	0.0012 (J)			
10/1/2014						0.0019 (J)
10/4/2014				0.044 (V)		
3/30/2015	0.012	0.0024 (J)	0.013			0.0032
3/31/2015				0.12		
10/11/2015						0.0048
10/12/2015				0.053		
10/13/2015	0.011	0.0017 (J)	0.0043			
3/22/2016	0.00346 (J)					
3/23/2016		<0.02	<0.02	0.0532		
3/28/2016						0.00282 (J)
7/29/2016	<0.02	<0.02	<0.02	0.0446		
8/1/2016						<0.02
3/30/2017	<0.02	<0.02		0.0479		
4/3/2017			<0.02			
4/7/2017					<0.02	<0.02
10/2/2017	<0.02	<0.02	<0.02			0.0015 (J)
10/3/2017					<0.02	
10/4/2017				0.0429		
3/16/2018	<0.02		<0.02			<0.02
3/19/2018		<0.02		<0.02		
3/21/2018				<0.02		
9/14/2018		<0.02	<0.02			
9/17/2018	<0.02 (D)			0.04		<0.02
9/18/2018					<0.02	
3/19/2019			<0.02			<0.02
3/20/2019	<0.02	<0.02		0.028		
3/21/2019					0.0034 (J)	
9/12/2019	0.0047 (J)	0.00505 (JD)			0.0072 (J)	
9/13/2019			0.0078 (J)	0.036		0.0061 (J)
3/11/2020	0.0035 (J)	0.0028 (J)	0.0038 (J)	0.031		0.0025 (J)
3/12/2020					0.0027 (J)	
9/15/2020	<0.02	<0.02	<0.02			
9/16/2020						<0.02
9/17/2020					0.0047 (J)	

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
8/21/2007		0.031	0.0066	<0.02	<0.02	0.036
11/1/2007		0.0041	0.0086	<0.02	<0.02	0.0041
11/18/2007				<0.02	<0.02	
11/19/2007						0.015
11/20/2007		0.056	0.005			
1/16/2008						0.074
1/30/2008		0.032	0.0084	<0.02	<0.02	
3/5/2008				<0.02		0.055
3/6/2008		0.03	0.0073		0.0038	
5/7/2008				0.015	<0.02	
5/8/2008			0.0084			
5/12/2008		0.008				
5/13/2008						0.035
12/12/2008	0.013 (J)					
12/13/2008		0.056				0.012 (J)
12/14/2008			0.0075 (J)	0.0086 (J)	0.0031 (J)	
4/16/2009						0.053
4/23/2009	0.075 (o)					
4/29/2009		0.057	0.0028	0.0037	0.0031	
10/6/2009	0.056 (o)					
10/20/2009		0.0037				
10/21/2009			<0.02			0.0063
10/22/2009				<0.02	0.0029	
4/21/2010			<0.02	<0.02	0.0027	
4/26/2010		<0.02				
4/27/2010						0.045
5/3/2010	0.051 (o)					
9/28/2010			0.005	0.0042		
9/29/2010		0.012			<0.02	
10/5/2010						0.0047
10/11/2010	0.016					
4/12/2011			<0.02	<0.02		
4/13/2011		<0.02			<0.02	
4/19/2011						0.0068
4/27/2011	0.025 (o)					
10/4/2011			0.0088	0.012	0.003	
10/5/2011		0.0031				
10/12/2011						0.0048
10/19/2011	0.0078					
4/3/2012			<0.02	<0.02		
4/4/2012		<0.02			<0.02	
4/24/2012						<0.02
5/1/2012	0.0134					
10/2/2012	0.012					<0.02
10/3/2012		0.0085		<0.02	0.0029	
10/8/2012			0.0034			
4/2/2013						0.0081
4/3/2013		0.0061	<0.02	<0.02	0.0035	
4/10/2013	0.018					
10/9/2013				<0.02	<0.02	0.0032
10/15/2013		0.008	0.0027			
10/16/2013	0.015					

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12
4/1/2014						0.0025 (J)
4/2/2014				0.0063	0.0033	
4/9/2014		0.0048	0.0025 (J)			
4/22/2014	0.015					
10/1/2014	0.0038					
10/2/2014		0.0023 (JV)	0.0027 (V)	0.0023 (J)	0.0027	0.0023 (J)
3/30/2015	0.0097					
4/1/2015				0.0017 (J)	0.013	0.0035
4/2/2015		0.0023 (J)	0.002 (J)			
10/10/2015		0.0024 (J)				
10/11/2015	0.0024 (J)			0.0016 (J)	0.017	
10/12/2015			<0.02			
10/14/2015						0.0066
3/28/2016	0.00703 (J)					
3/31/2016		<0.02	0.00266 (J)			
4/4/2016				<0.02	0.00419 (J)	0.00858 (J)
8/1/2016	<0.02					
8/3/2016			<0.02	<0.02		<0.02
8/4/2016					<0.02	
8/5/2016		<0.02				
4/3/2017	<0.02					
4/10/2017		<0.02	<0.02	<0.02	<0.02	
4/11/2017						<0.02
10/2/2017	0.0016 (J)					
10/4/2017		0.0012 (J)	<0.02	0.0014 (J)	0.0014 (J)	0.0104
3/16/2018	<0.02					
3/20/2018		<0.02				
3/21/2018			<0.02	<0.02		
3/22/2018					<0.02	0.014
9/18/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.013
3/19/2019	<0.02					
3/22/2019		<0.02	<0.02			
3/23/2019				<0.02	<0.02	0.012
9/12/2019	0.0058 (J)					
9/17/2019		0.0052 (J)	0.0048 (J)	0.0056 (J)	0.0075 (J)	0.018 (D)
3/11/2020	0.0033 (J)					
3/12/2020		0.0024 (J)	0.0027 (J)	0.0038 (J)	0.0053 (J)	0.015
9/15/2020	<0.02					
9/17/2020		<0.02	<0.02			
9/21/2020				<0.02	0.0037 (J)	0.0065 (J)

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
8/21/2007	0.0064	<0.02				
8/23/2007					0.0038	0.016
8/24/2007			0.0036 (J)	0.052 (o)		
10/25/2007						0.061
11/1/2007	<0.02	0.0038				
11/2/2007			0.0026 (J)	0.01 (J)	0.0025	
11/17/2007			0.024 (o)		0.023 (O)	
11/18/2007				0.025 (J)		
11/19/2007	0.015	0.0055				0.053
1/15/2008			0.0074	0.055 (o)	0.012	
1/23/2008						0.14
1/31/2008	0.032 (o)	0.0063				
3/5/2008	0.0061	0.0037	0.075 (o)			
3/6/2008					0.0069	
3/10/2008				0.018		
3/11/2008						0.13
5/7/2008		0.0033	0.0088		0.007	
5/12/2008	0.012					0.11
5/13/2008				0.0044		
12/2/2008			0.11 (o)	0.065 (o)	0.021 (O)	
12/11/2008						0.04 (J)
12/12/2008		0.097 (O)				
12/13/2008	0.087 (o)					
4/15/2009						0.11
4/16/2009			0.091 (o)			
4/28/2009	0.067 (o)			0.0037 (J)	0.0055	
4/29/2009		0.068 (O)				
10/9/2009						0.15
10/19/2009					0.0051	
10/20/2009			0.056 (o)	0.0043		
10/21/2009	0.025 (o)	0.011				
4/20/2010			0.014			
4/27/2010				<0.02	0.0068	
4/28/2010	0.014	0.048 (O)				
5/4/2010						0.077
9/29/2010			0.015			
10/4/2010					0.0074	
10/5/2010	0.012			0.0028		
10/6/2010		0.003				
10/12/2010						0.077
4/12/2011			0.0028			
4/18/2011					0.0031	
4/19/2011	0.012			<0.02		
4/20/2011		0.0038				
4/28/2011						0.032
10/4/2011			0.0025			
10/12/2011		0.0027		<0.02	0.0067	
10/18/2011	0.025					
10/19/2011						0.11
4/4/2012			0.0105			
4/23/2012					<0.02	
4/25/2012	0.014	<0.02		<0.02		

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
5/2/2012						0.138
10/2/2012	0.0089	0.0059				
10/9/2012						0.097
10/10/2012			0.0033	<0.02	0.0046	
4/2/2013	0.0082	0.008				
4/11/2013						0.047
4/15/2013			0.0031		0.006	
4/16/2013				0.005		
10/8/2013	0.015	0.0062				
10/16/2013						0.098
10/22/2013			<0.02	0.0028	0.0037	
4/1/2014	0.0074	0.0067				
4/21/2014			0.0032	0.0028	0.0073	
4/23/2014						0.066
9/30/2014			0.0015 (J)	0.0018 (J)	0.0027	
10/1/2014	0.00077 (J)	0.0024 (J)				
10/3/2014						0.13 (V)
3/31/2015		0.0046				0.05
4/1/2015	0.0082					
4/3/2015			0.0015 (J)	0.0021 (J)	0.0017 (J)	
10/6/2015				<0.02		
10/7/2015			<0.02		0.0042	
10/12/2015						0.048
10/14/2015		0.002 (J)				
10/15/2015	0.0082					
3/28/2016						0.0534
4/4/2016	0.00818 (J)	<0.02				
4/5/2016			<0.02	0.00233 (J)	0.000194 (J)	
8/1/2016						0.055
8/4/2016	<0.02				<0.02	
8/9/2016			0.0016 (J)			
4/3/2017						0.0436
4/11/2017		<0.02	<0.02	<0.02		
4/12/2017	<0.02				<0.02	
10/3/2017						0.0393
10/5/2017			0.0024 (J)			
10/6/2017		<0.02		<0.02	0.0024 (J)	
10/9/2017	<0.02					
3/19/2018						<0.02
3/21/2018	<0.02					
3/22/2018			<0.02			
3/23/2018		<0.02		<0.02	<0.02	
9/17/2018						0.03
9/19/2018	<0.02		<0.02	<0.02	<0.02	
9/20/2018		<0.02				
3/20/2019						0.032
3/22/2019		0.0048 (J)	<0.02	<0.02		
3/23/2019	0.021					
3/25/2019					0.0039 (J)	
9/16/2019						0.035
9/17/2019			0.0057 (X)	0.0048 (X)	0.0066 (J)	
9/18/2019	0.007 (J)	0.0091 (X)				

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13RZ	GWC-14Z	GWC-15Z	GWC-15R	GWC-5
3/13/2020	0.0043 (J)		0.0028 (J)	0.0026 (J)	0.0057 (J)	
3/16/2020						0.047
3/17/2020		0.0057 (J)				
9/16/2020						0.033
9/21/2020			<0.02	<0.02	0.0036 (J)	
9/22/2020	<0.02	<0.02				

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.04 (o)					
8/23/2007						0.011
10/25/2007	0.0062					
11/1/2007						0.012
11/19/2007						0.026 (J)
11/20/2007	0.03 (o)					
1/15/2008						0.075 (o)
1/23/2008	0.048 (o)					
3/6/2008						0.051 (o)
3/11/2008	0.016					
5/13/2008						0.0084
5/14/2008	0.02					
12/11/2008	0.021					
12/12/2008						0.077 (o)
4/16/2009						0.064 (o)
4/23/2009	0.0058 (J)					
10/9/2009	0.055 (o)					
10/13/2009						0.013
4/21/2010						0.0035
5/4/2010	0.045 (o)					
9/29/2010						0.0085
10/11/2010	0.015					
4/13/2011						0.0028
4/26/2011	0.0067					
10/5/2011						0.0038
10/18/2011	0.0055			0.0032		
4/4/2012						0.0126
4/30/2012				<0.02		
5/2/2012	<0.02					
10/3/2012				0.0034		
10/8/2012	0.0043					0.0043
4/8/2013				0.0039		0.0068
4/10/2013	0.0067					
10/8/2013	0.0091					
10/9/2013				0.0078		0.0082
4/9/2014						0.0043
4/10/2014				0.0064		
4/14/2014	0.0063					
9/30/2014						0.0029
10/2/2014				0.0009 (JV)		
10/3/2014	0.0065 (V)					
4/1/2015	0.0059					
4/2/2015						0.0056
4/3/2015				<0.02		
5/26/2015		0.0035			0.0017 (J)	
6/18/2015		0.0025 (D)			0.0052 (D)	
7/2/2015		0.0018 (J)			0.0027	
10/8/2015				0.013	<0.02	
10/9/2015	<0.02	0.0019 (J)				
10/10/2015						0.0065 (D)
3/22/2016					0.00302 (J)	
3/29/2016	<0.02	0.00786 (J)				

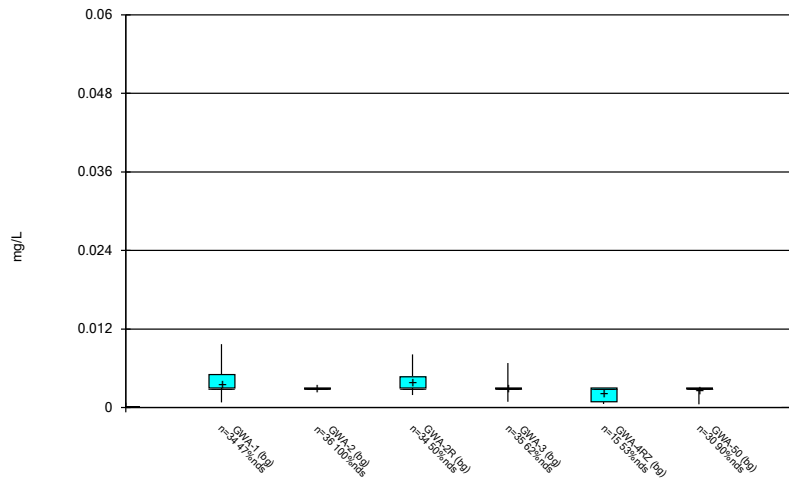
Time Series

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 3:25 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.00308 (J)		0.00388 (J)
8/1/2016	<0.02	<0.02				
8/2/2016			<0.02	<0.02	<0.02	
8/5/2016						<0.02
4/6/2017	<0.02	<0.02	<0.02	<0.02		<0.02
4/7/2017					<0.02	
10/3/2017	<0.02	0.0014 (J)	<0.02		0.0022 (J)	0.0023 (J)
10/4/2017				<0.02		
3/19/2018	<0.02					
3/20/2018		<0.02	<0.02		<0.02	<0.02
3/21/2018				<0.02		
9/17/2018	<0.02	<0.02				
9/18/2018			<0.02	<0.02	<0.02	<0.02 (D)
3/21/2019	<0.02	<0.02	<0.02			0.0024 (J)
3/27/2019				<0.02		
5/6/2019					0.0024 (J)	
9/13/2019			0.0053 (J)			
9/16/2019	0.0058 (J)	0.0057 (J)		0.00525 (JD)	0.0065 (J)	0.0062 (J)
3/12/2020	0.0042 (J)	0.0032 (J)	0.0031 (J)	0.002 (J)		0.0045 (J)
3/16/2020					0.0073 (J)	
9/16/2020	<0.02	<0.02	<0.02			
9/17/2020				<0.02	<0.02	<0.02

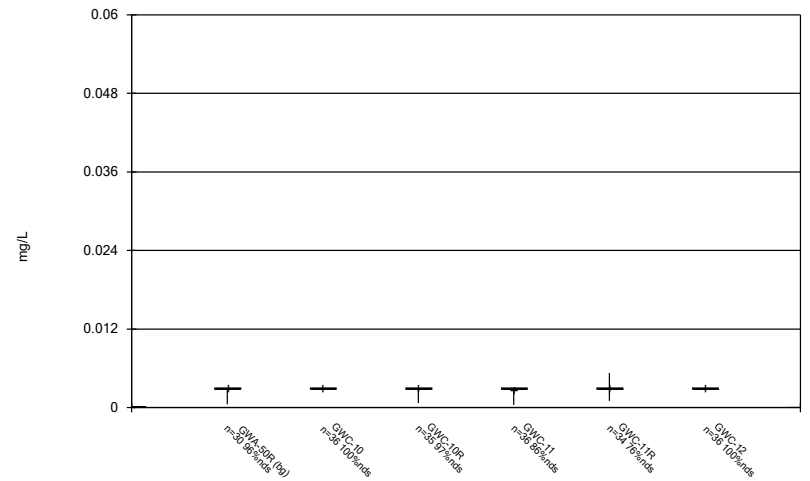
FIGURE B.

Box & Whiskers Plot



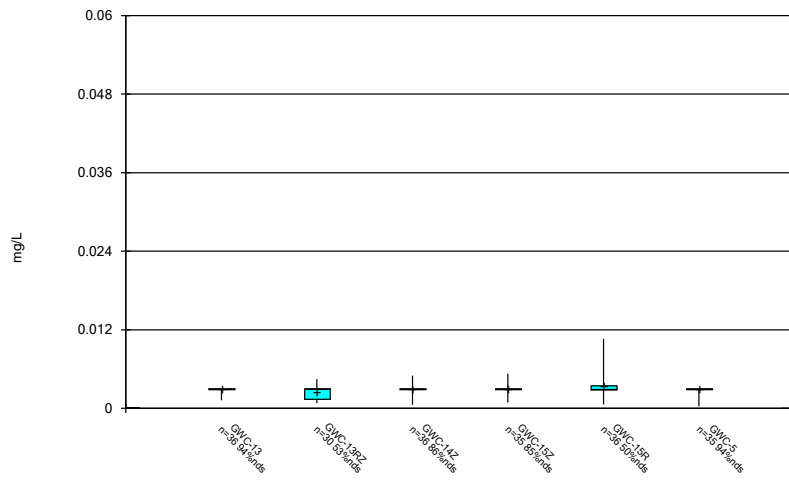
Constituent: Antimony Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



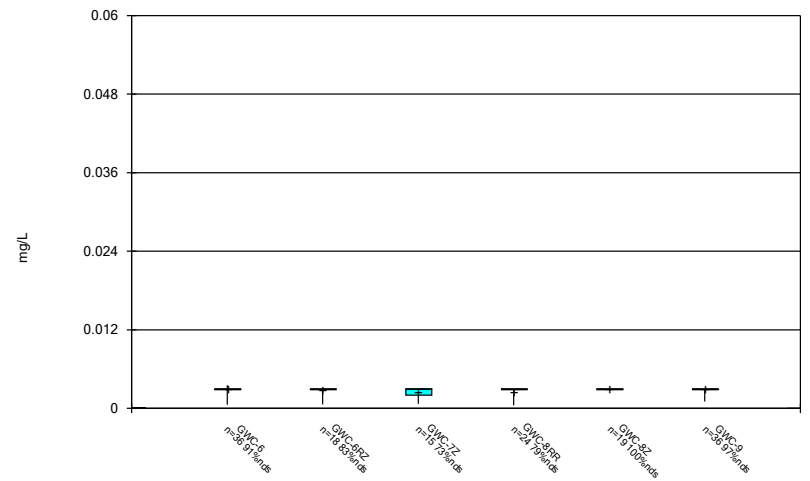
Constituent: Antimony Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



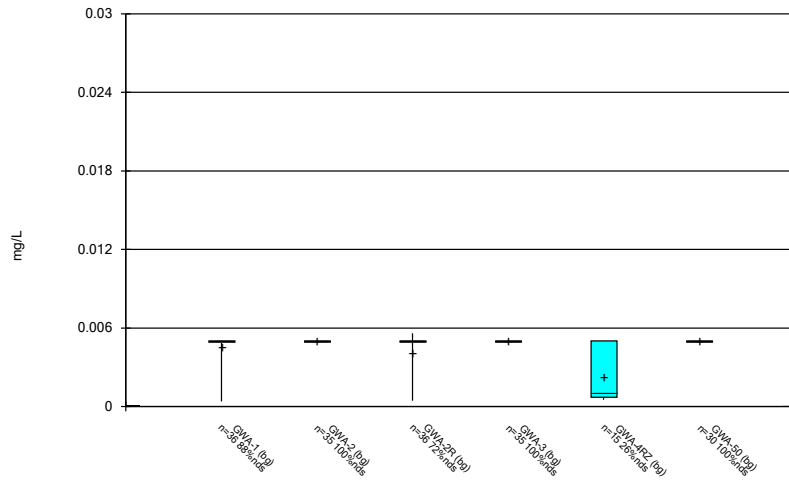
Constituent: Antimony Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



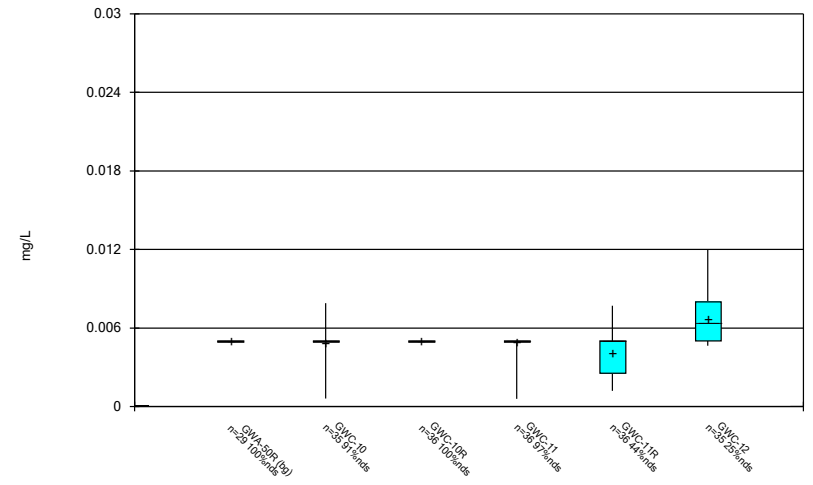
Constituent: Antimony Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



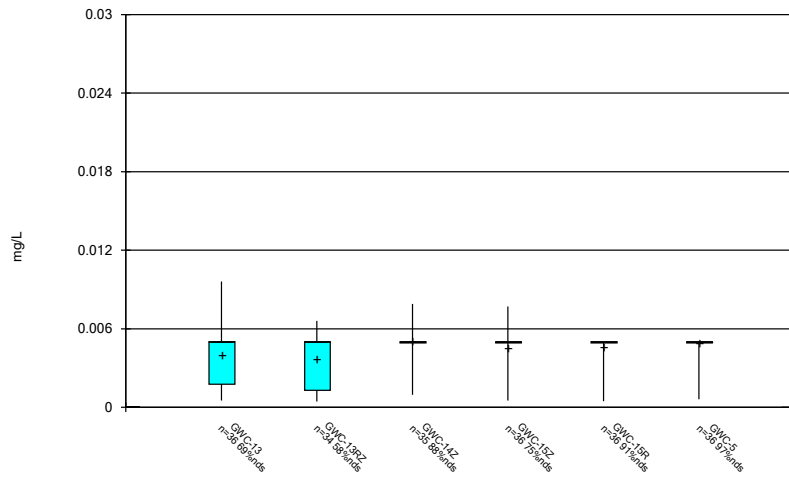
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



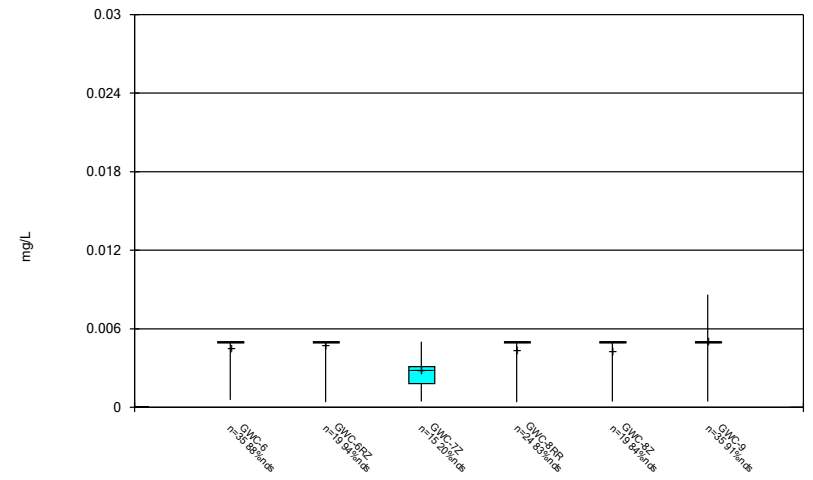
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



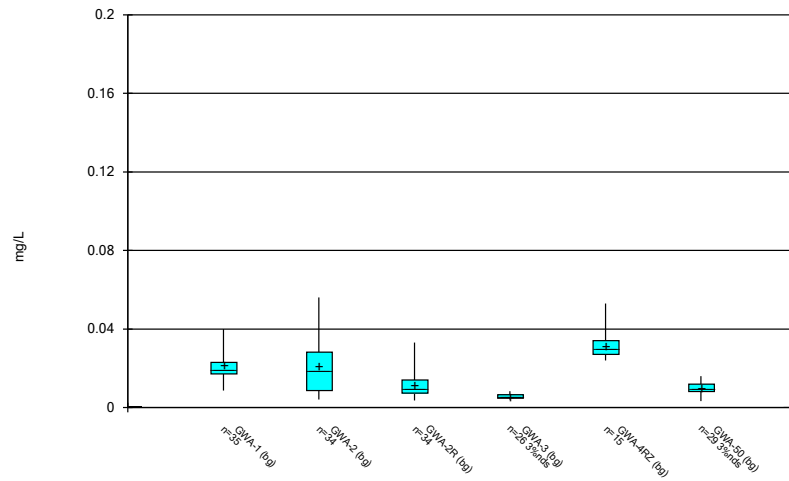
Constituent: Arsenic Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



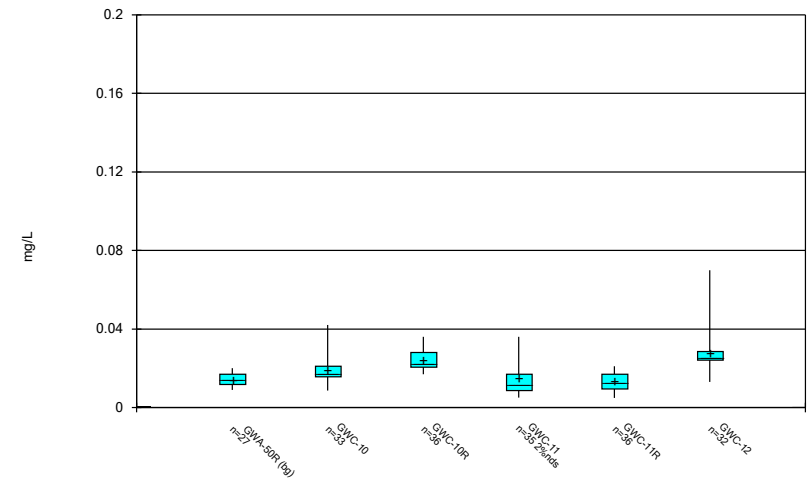
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



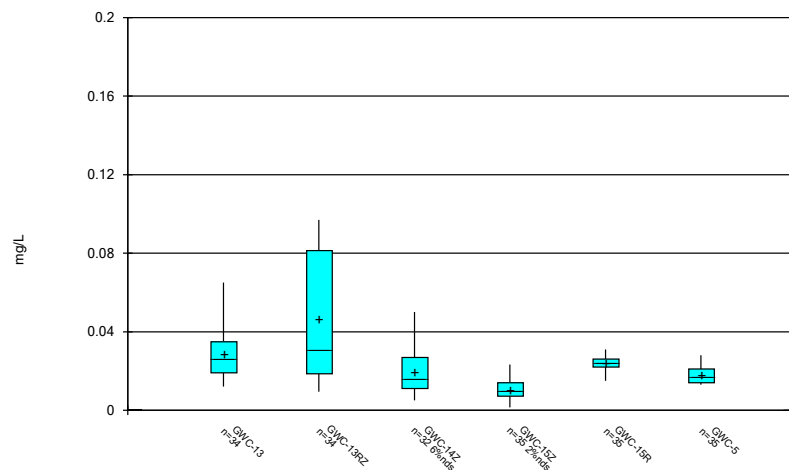
Constituent: Barium Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



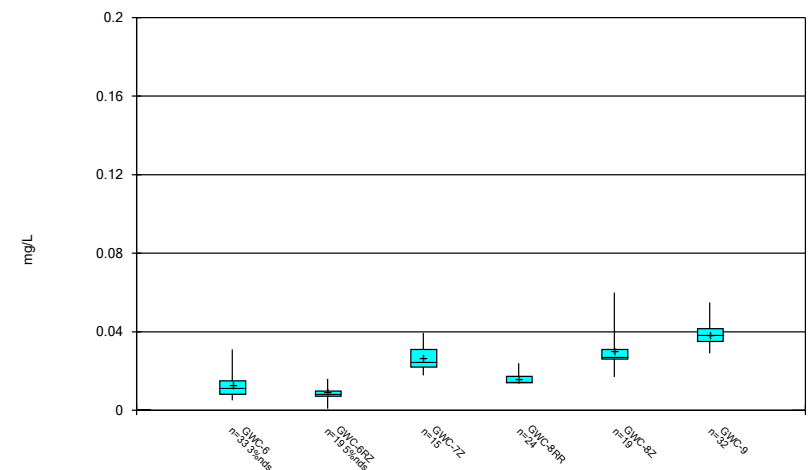
Constituent: Barium Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



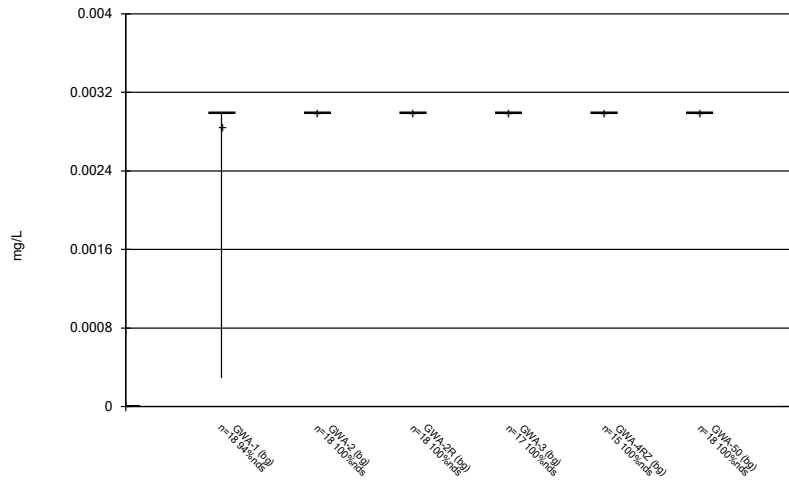
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



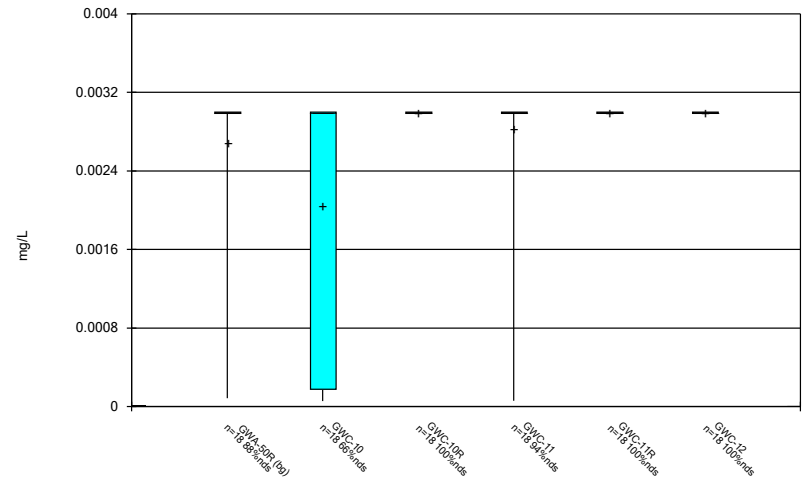
Constituent: Barium Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



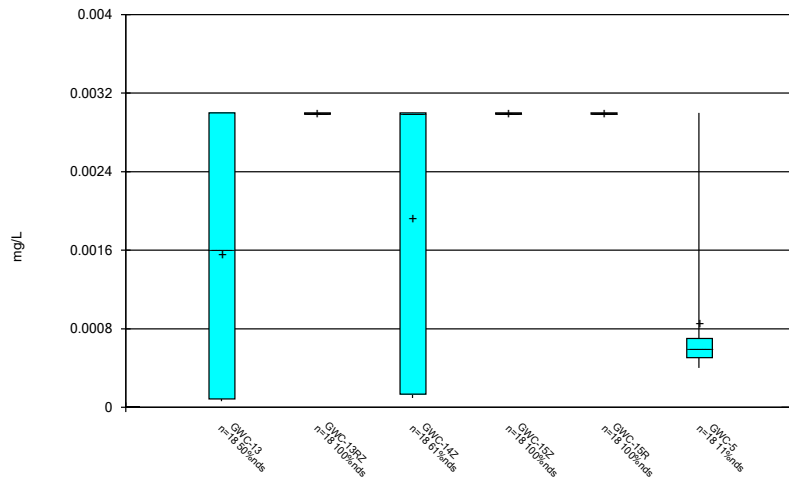
Constituent: Beryllium Analysis Run 11/3/2020 3:25 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



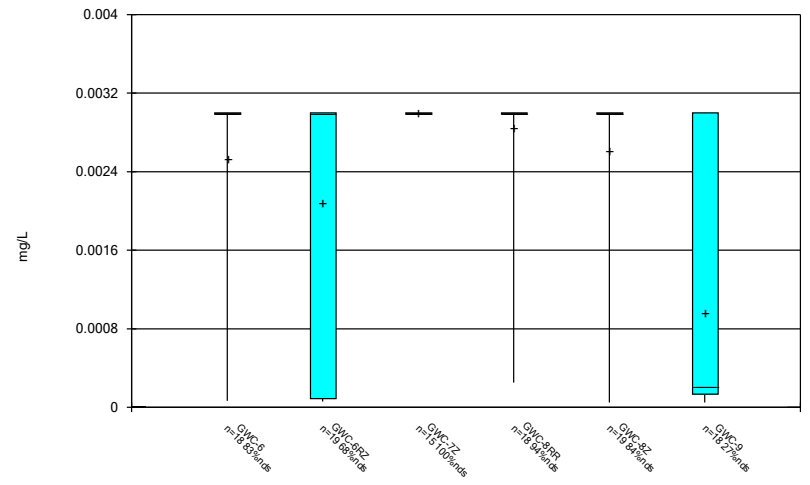
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



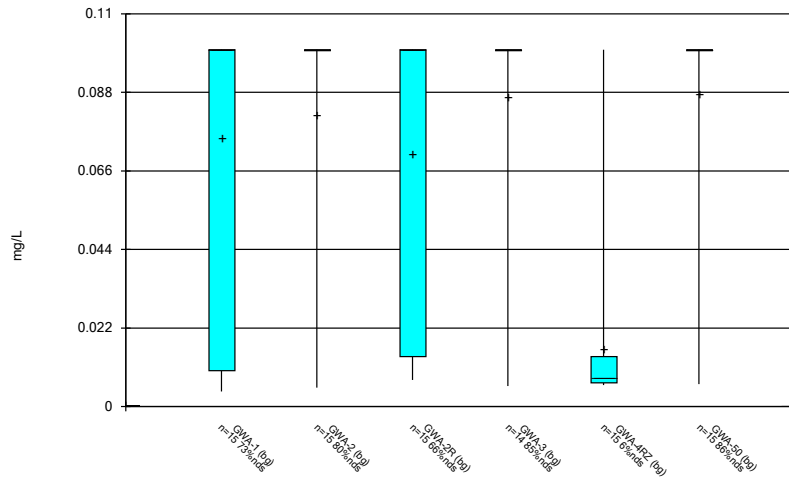
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



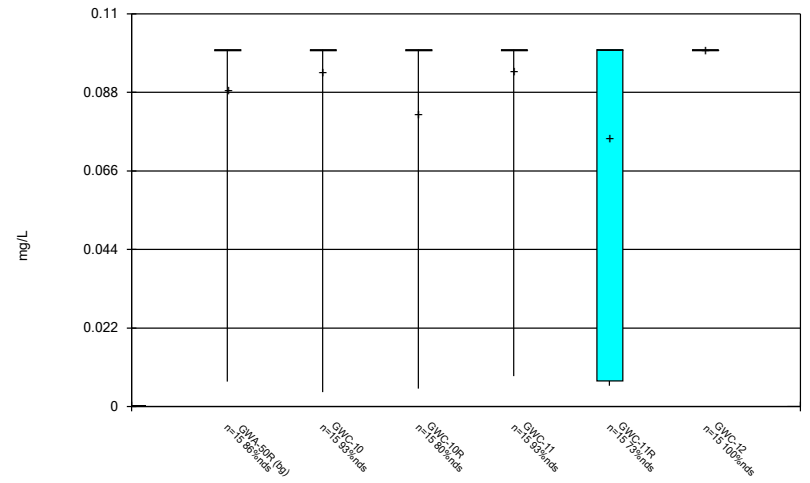
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



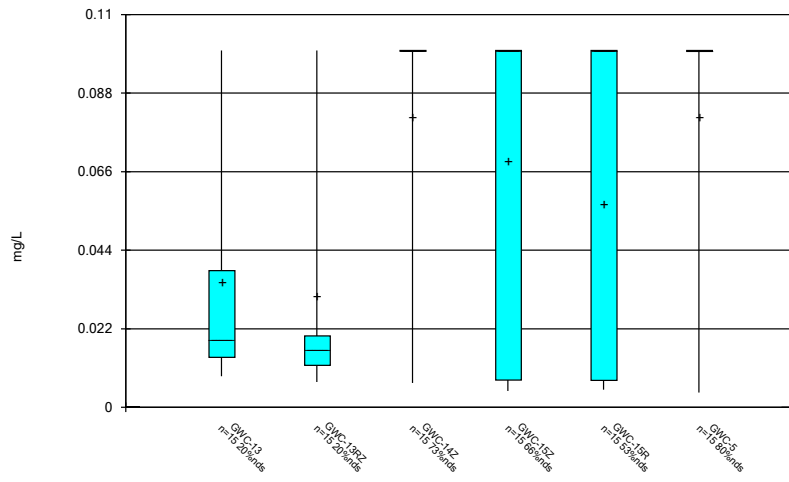
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



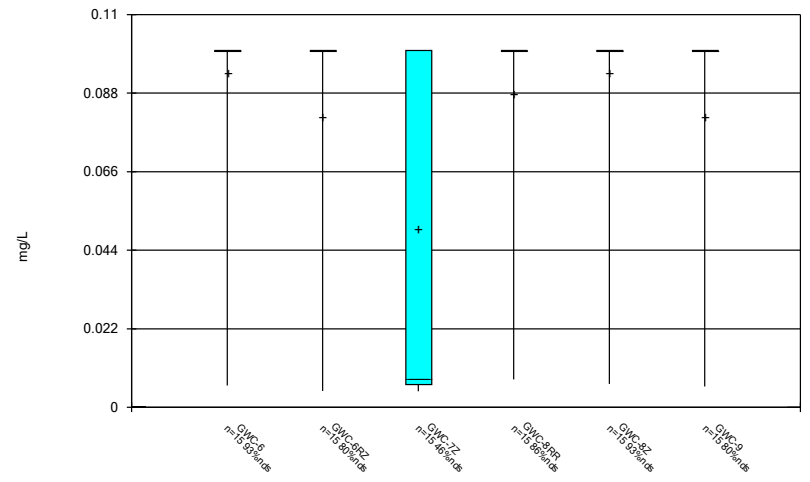
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



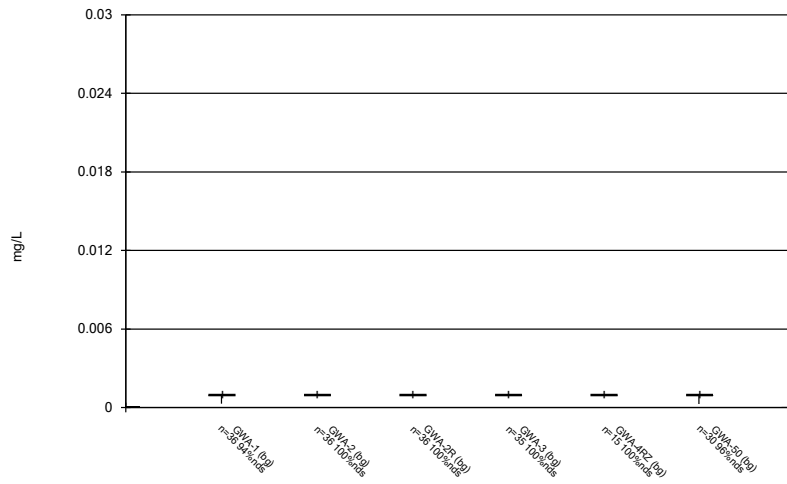
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



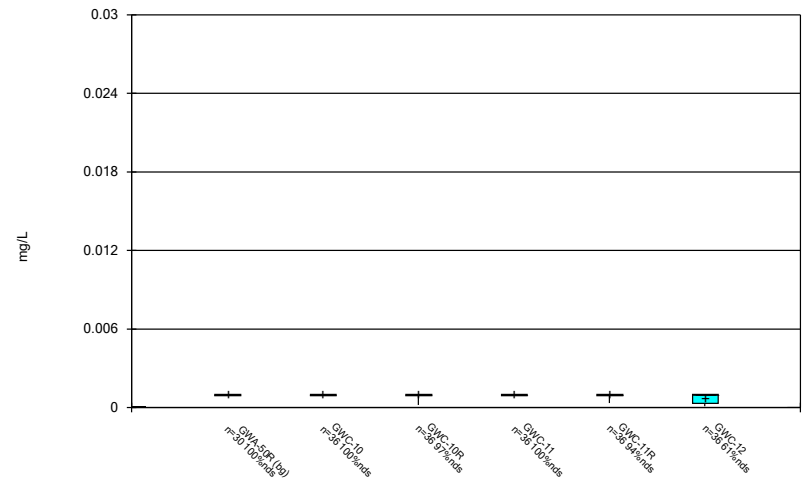
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



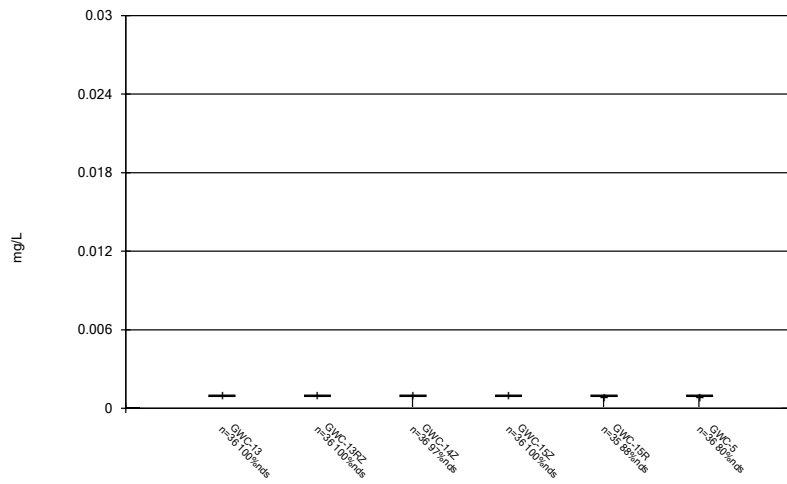
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



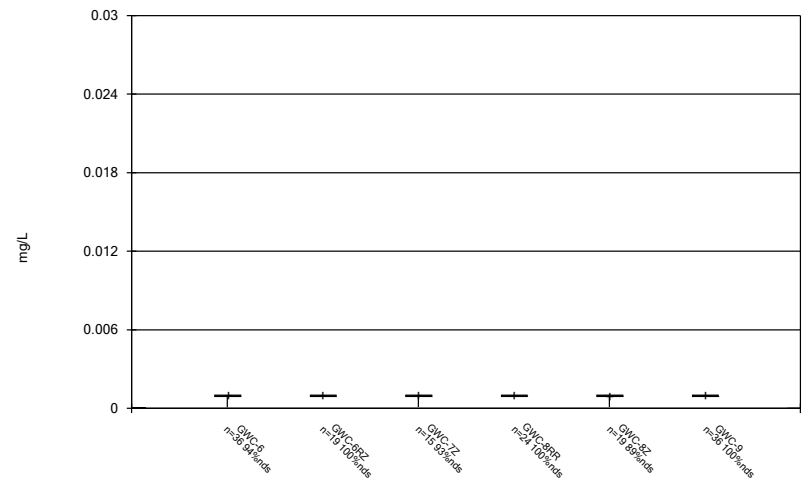
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



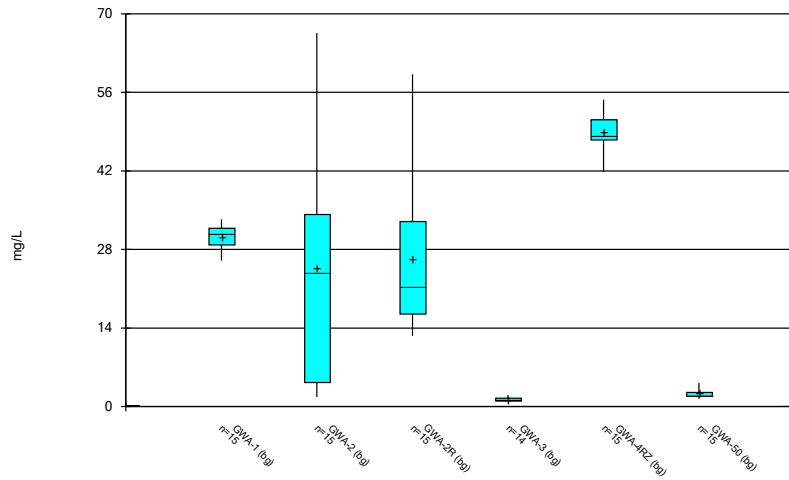
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



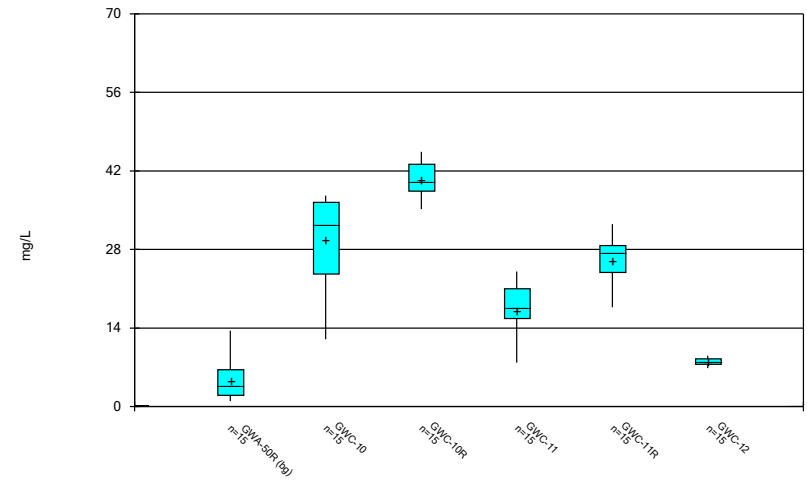
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Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



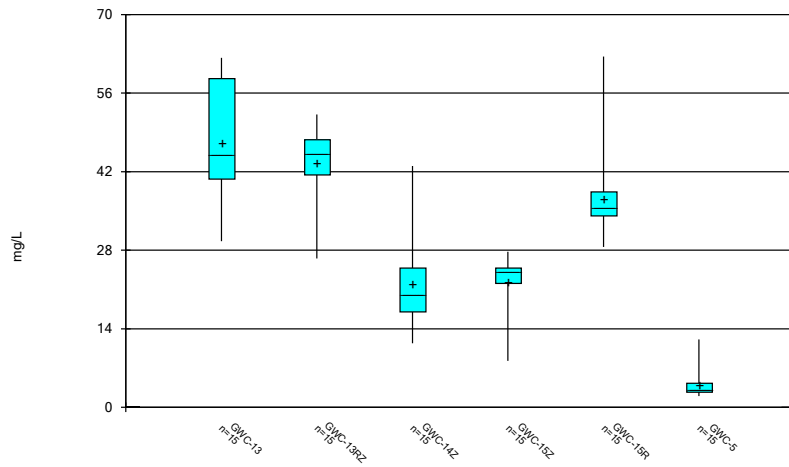
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



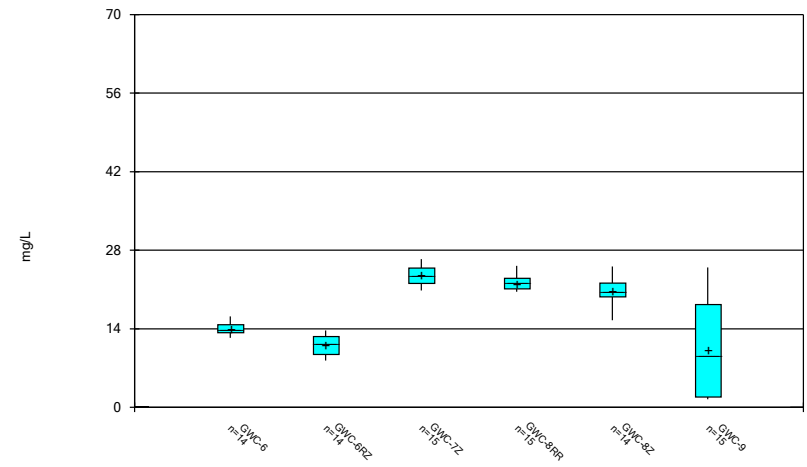
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



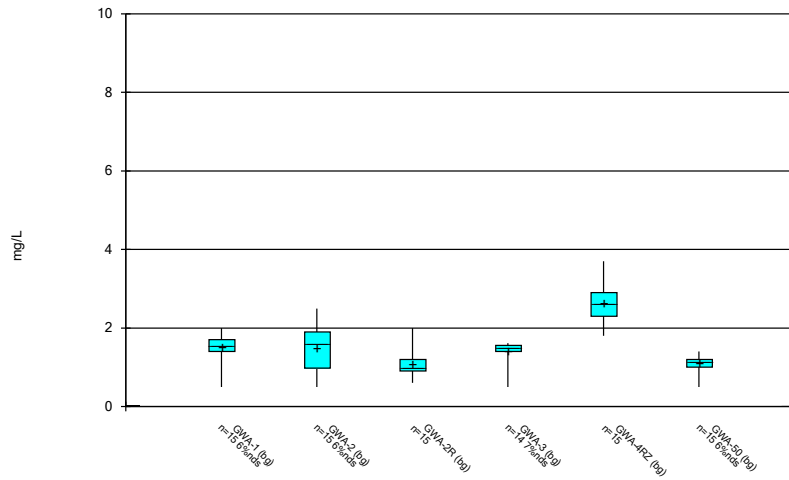
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



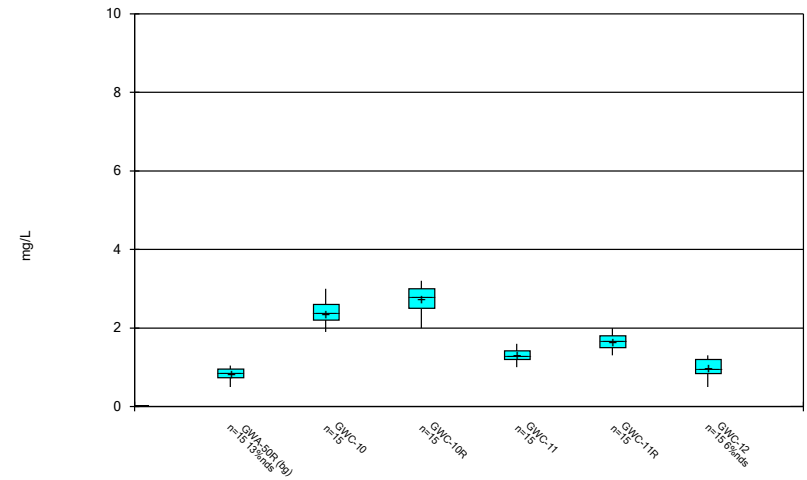
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



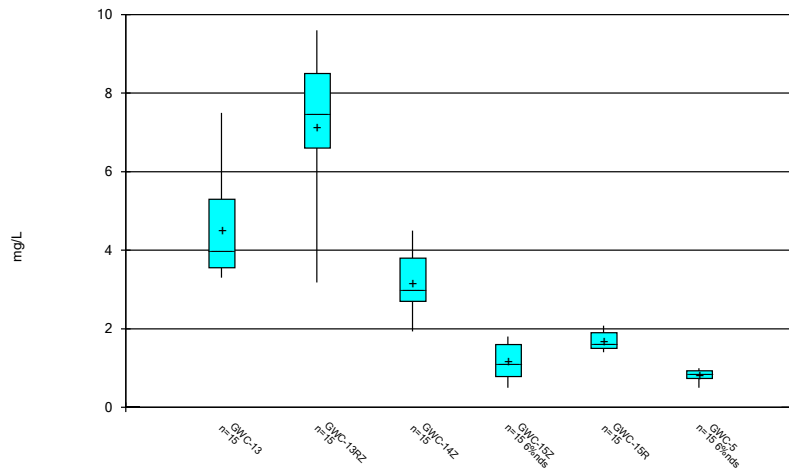
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



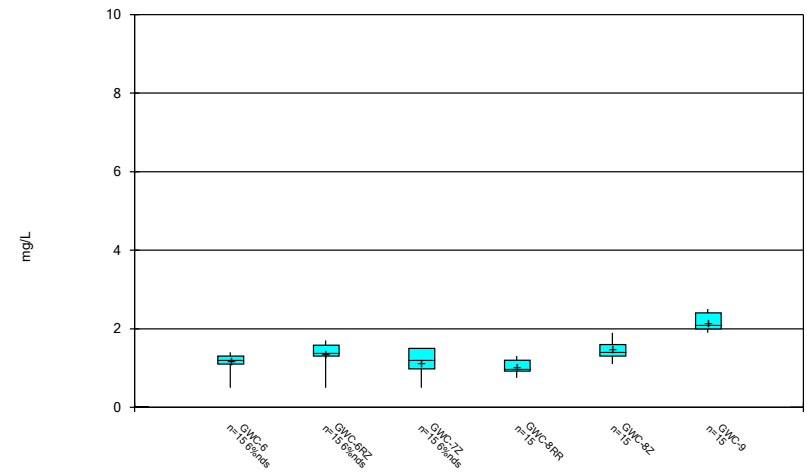
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



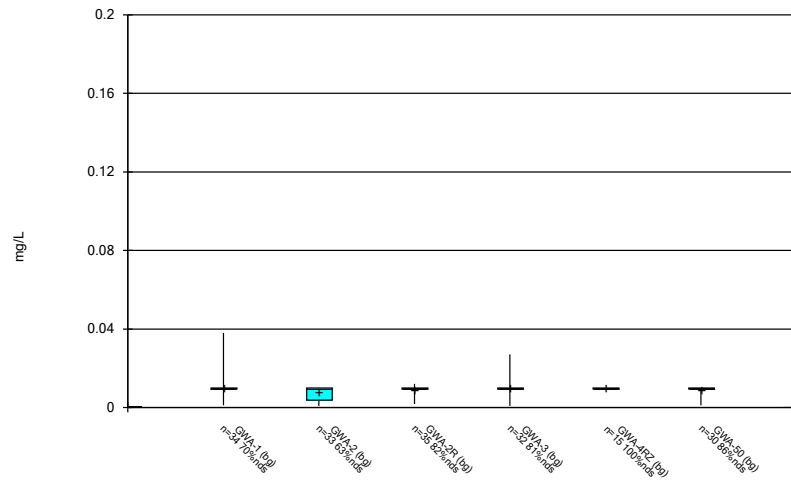
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



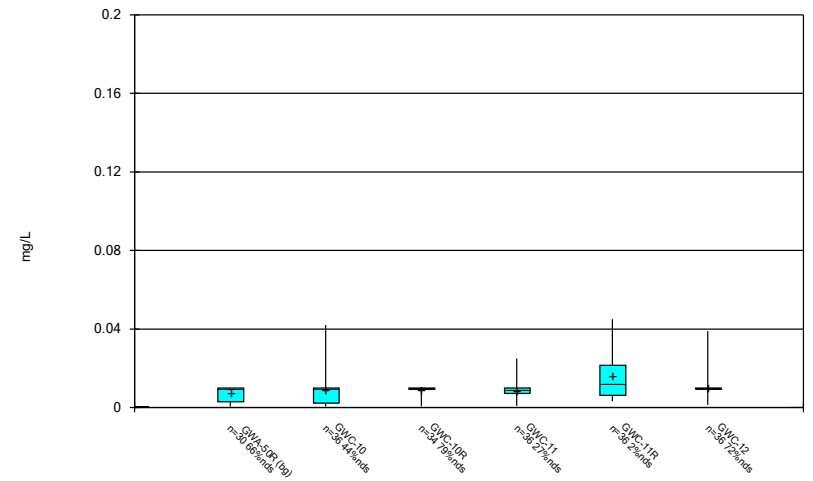
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



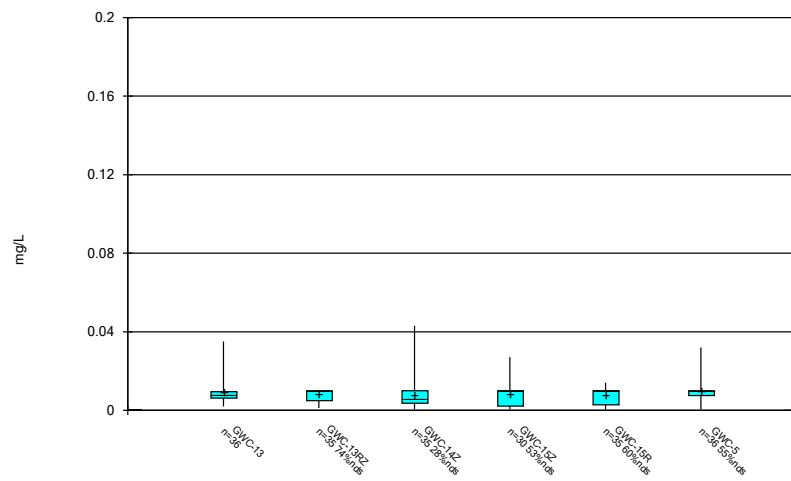
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



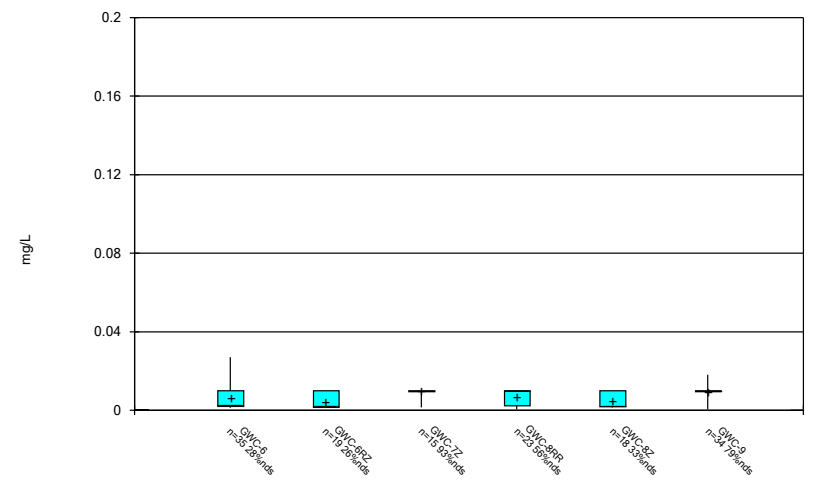
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



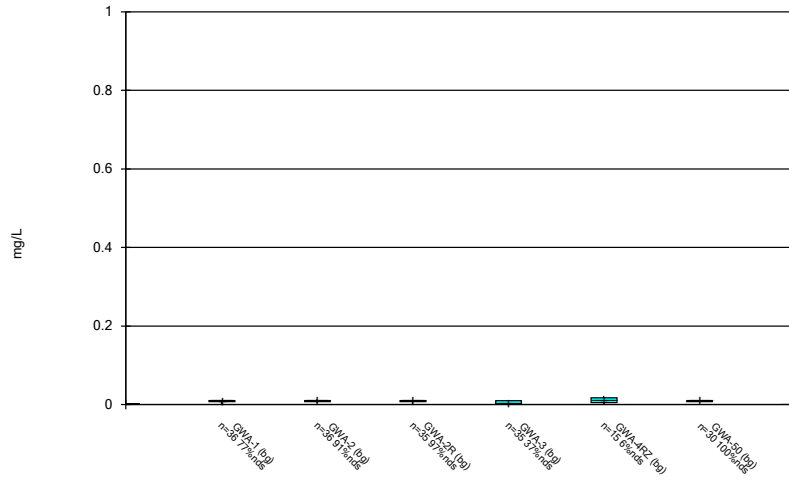
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



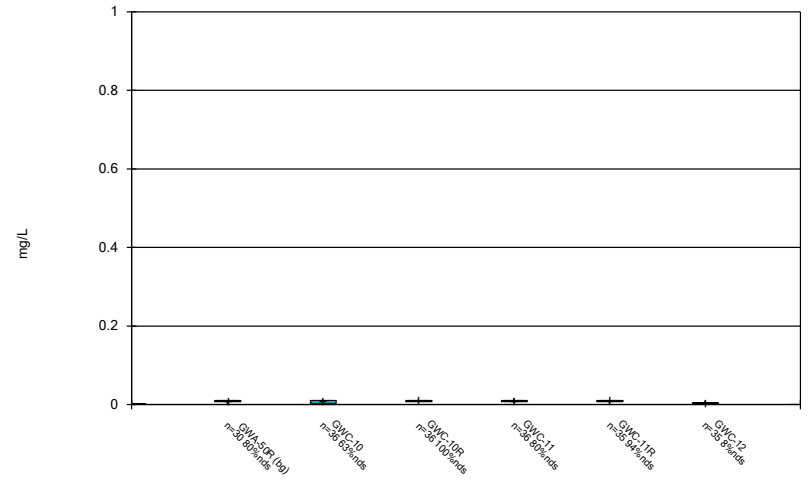
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



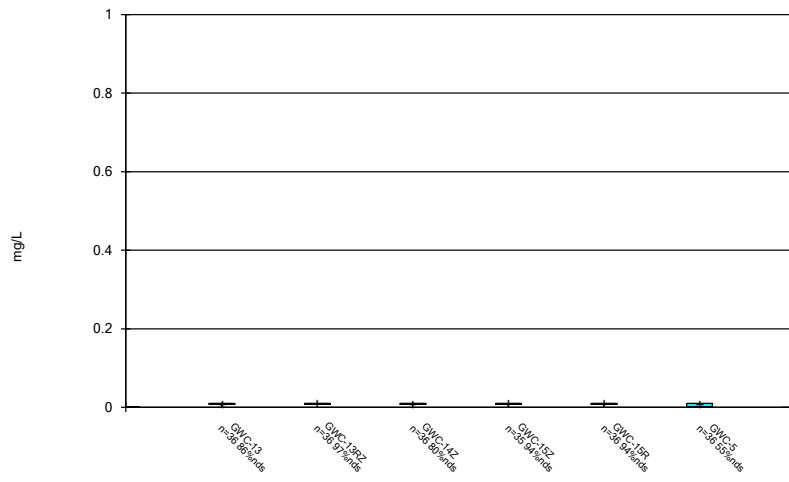
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



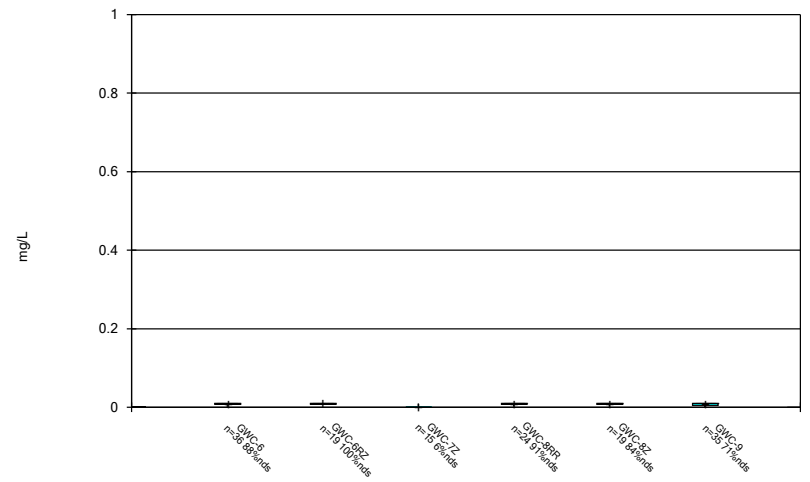
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



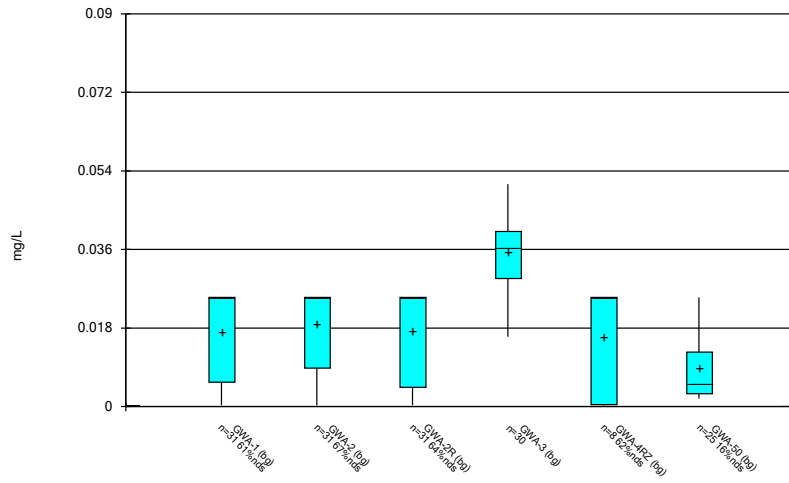
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



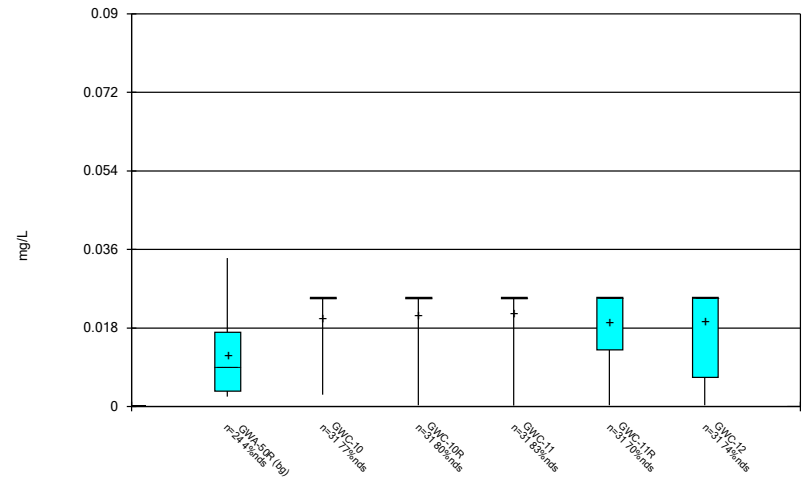
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



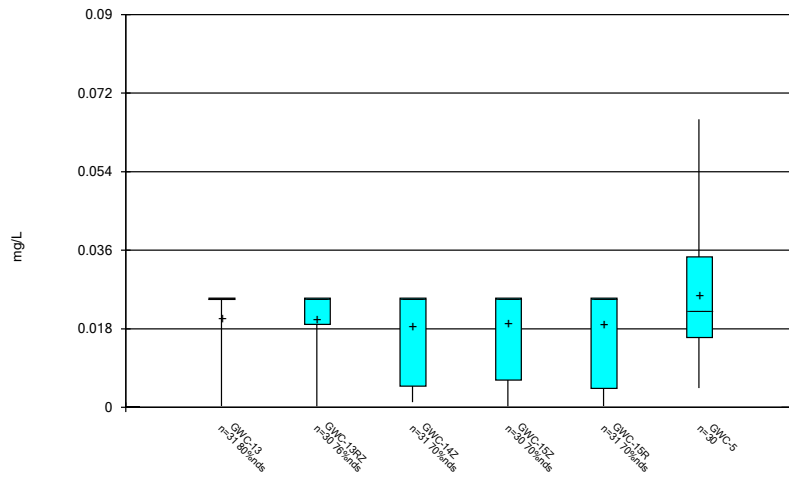
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



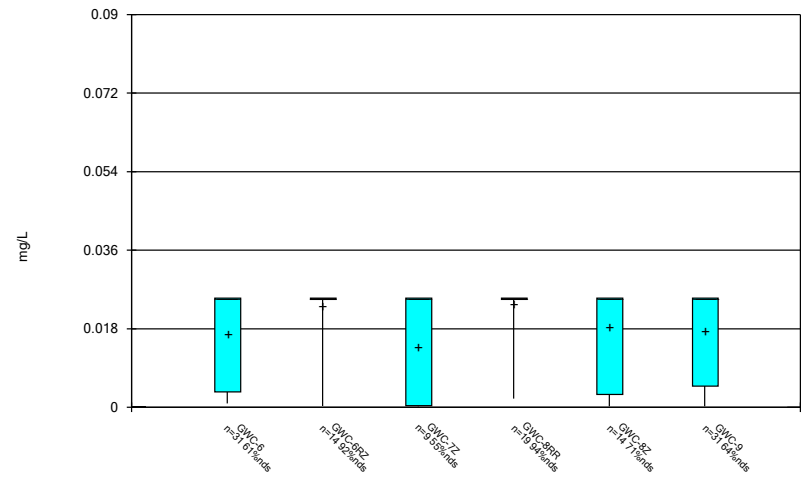
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



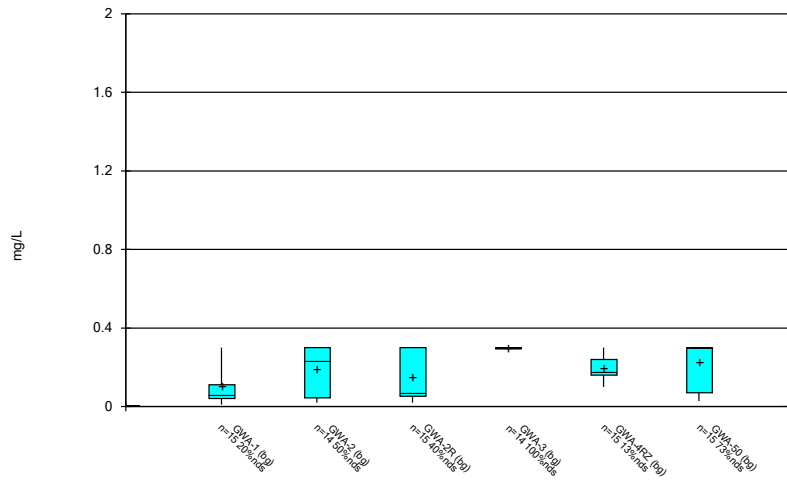
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



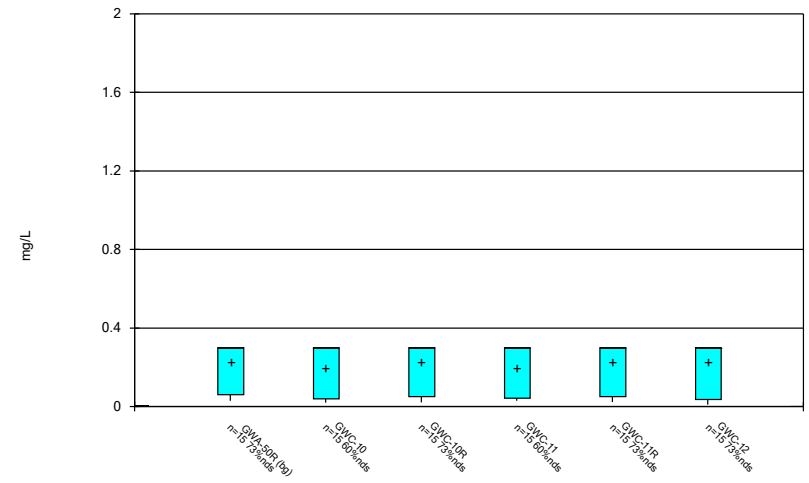
Constituent: Copper Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



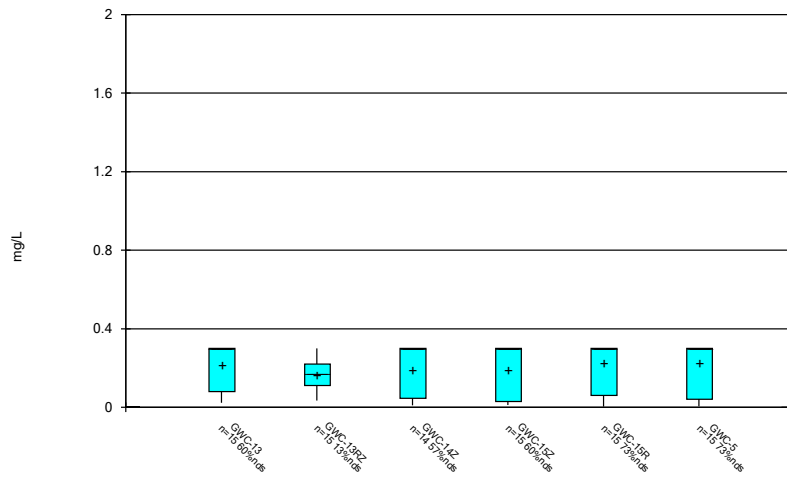
Constituent: Fluoride Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



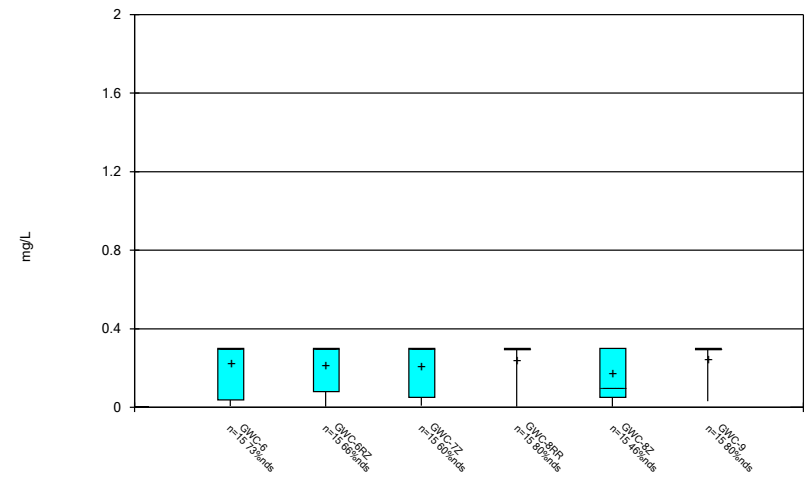
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



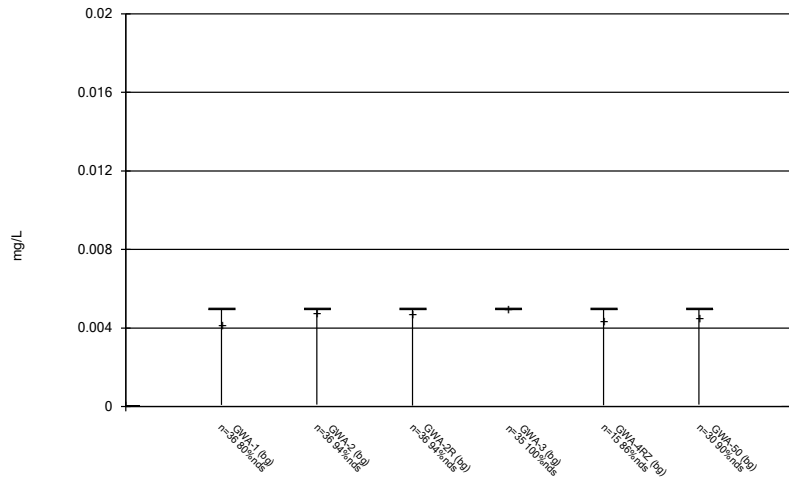
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



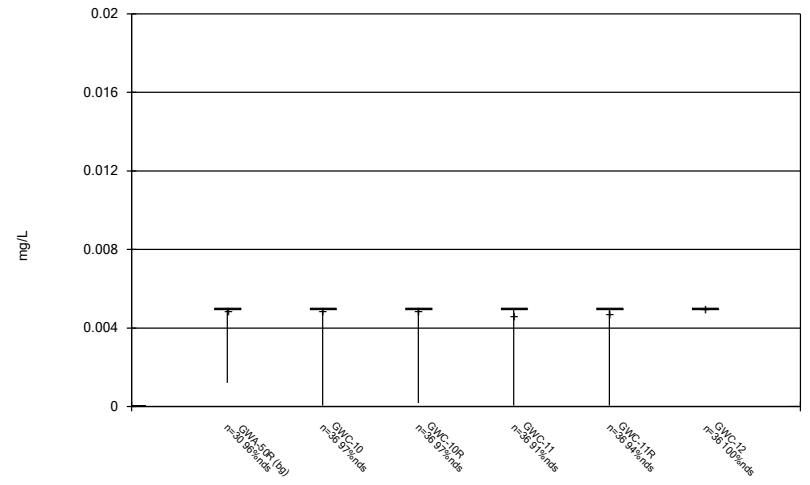
Constituent: Fluoride Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



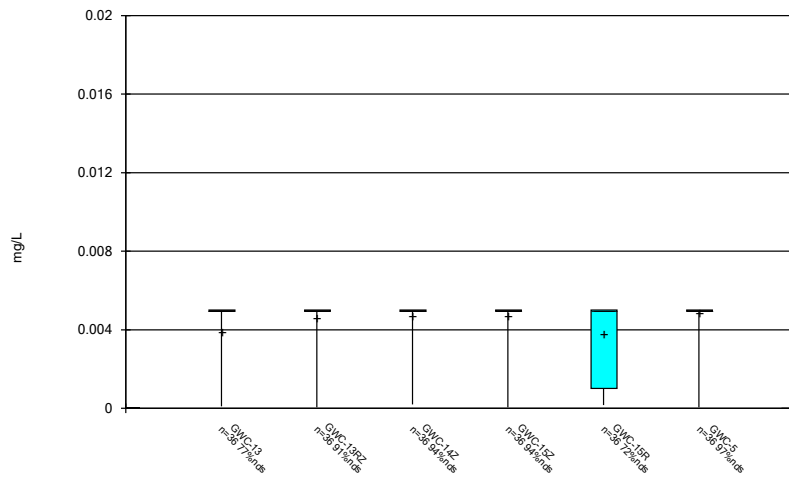
Constituent: Lead Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



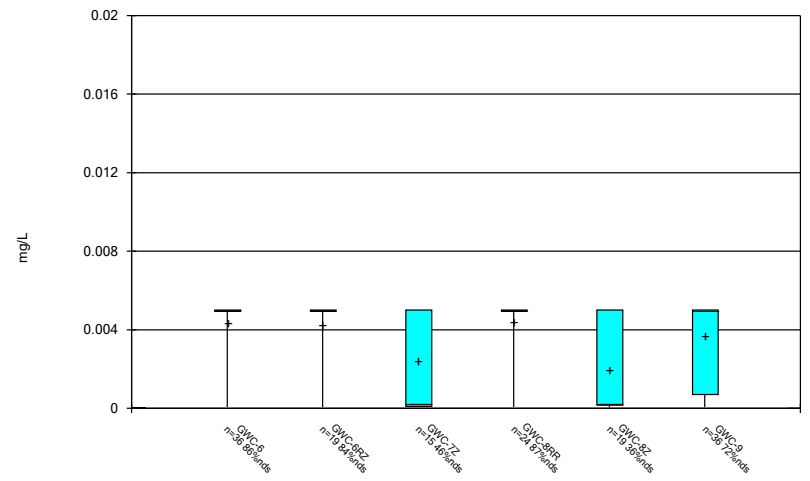
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 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



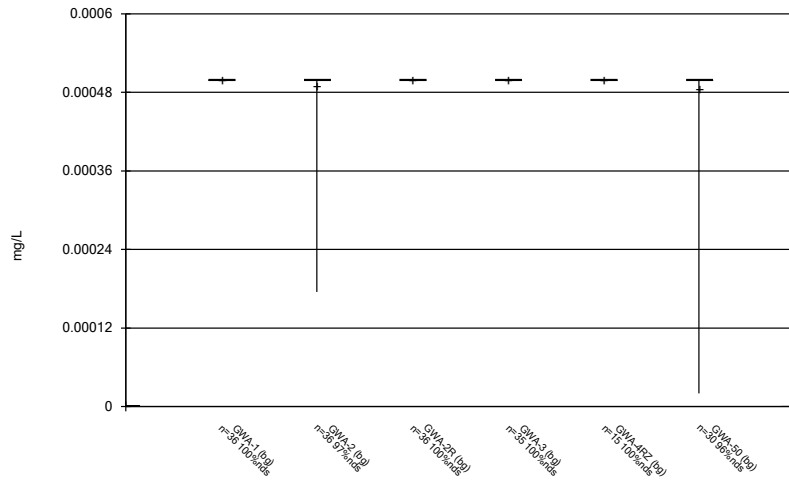
Constituent: Lead Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



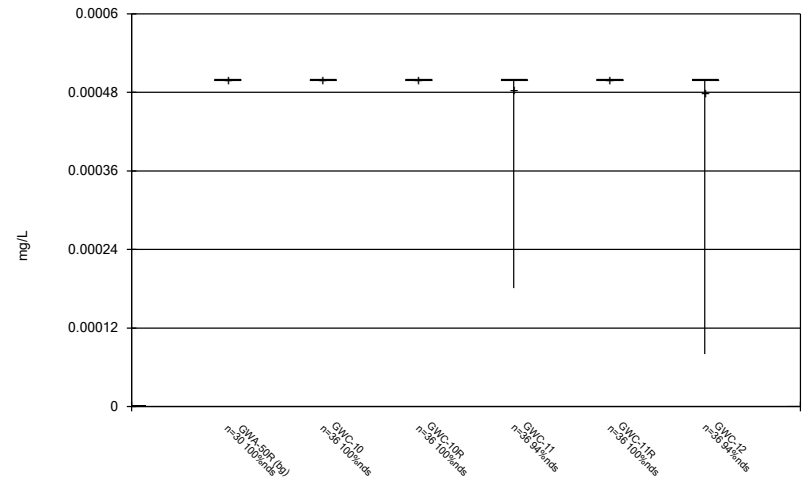
Constituent: Lead Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



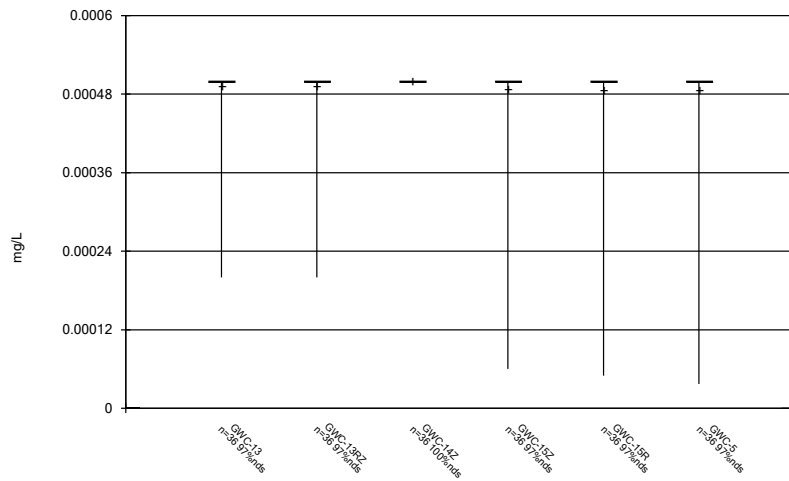
Constituent: Mercury Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



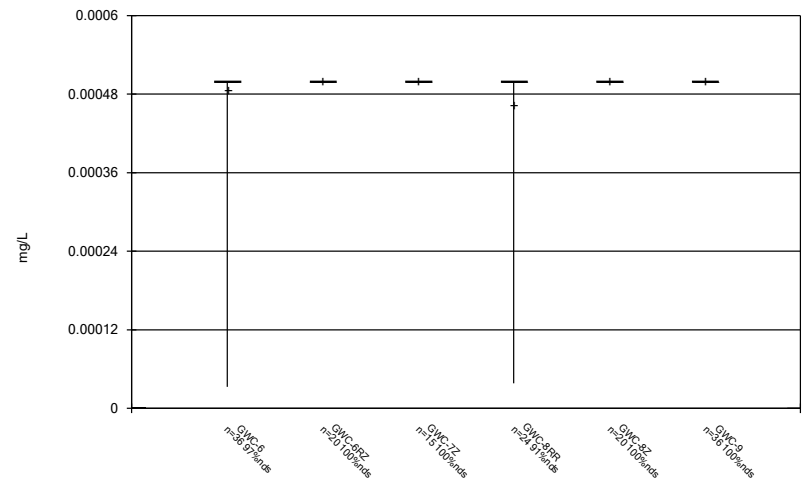
Constituent: Mercury Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



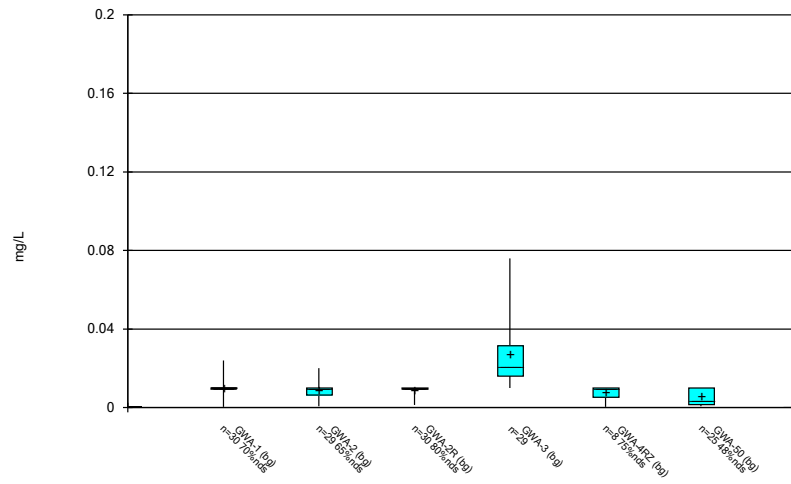
Constituent: Mercury Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



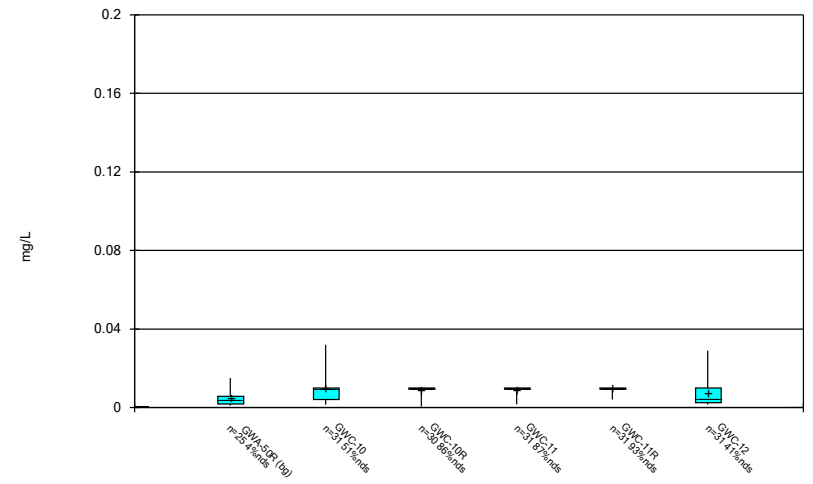
Constituent: Mercury Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



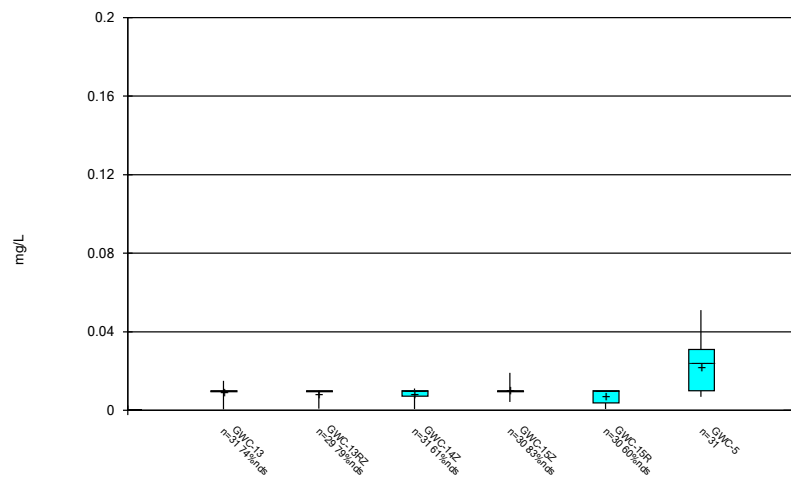
Constituent: Nickel Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



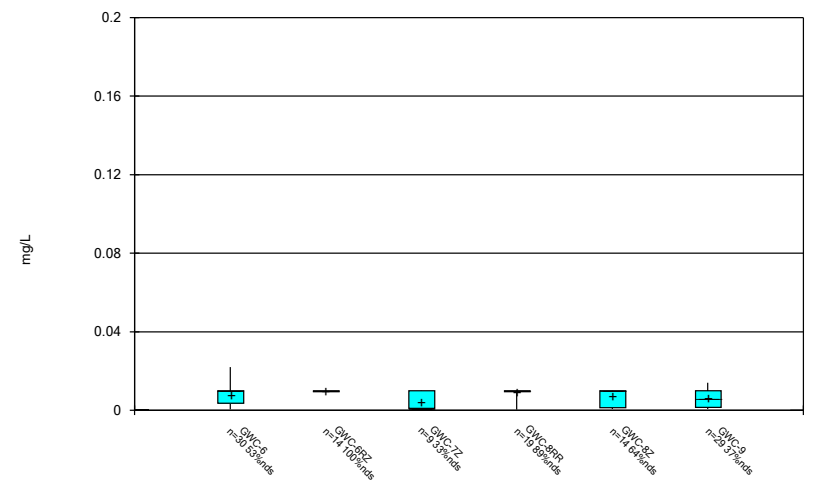
Constituent: Nickel Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



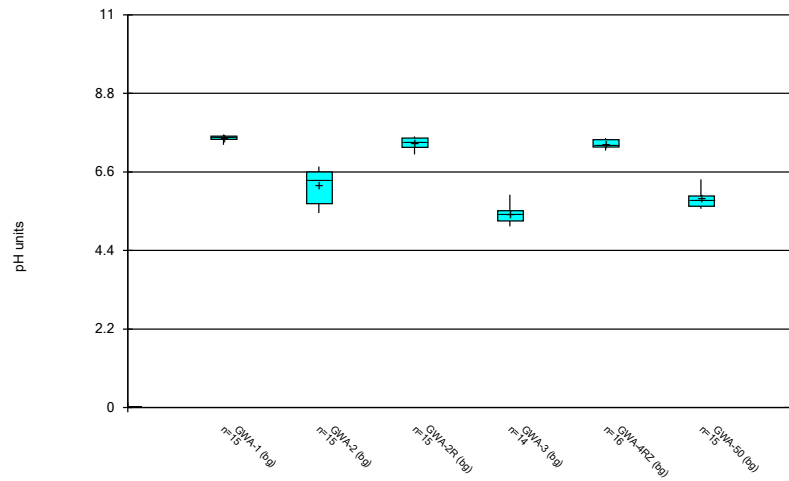
Constituent: Nickel Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



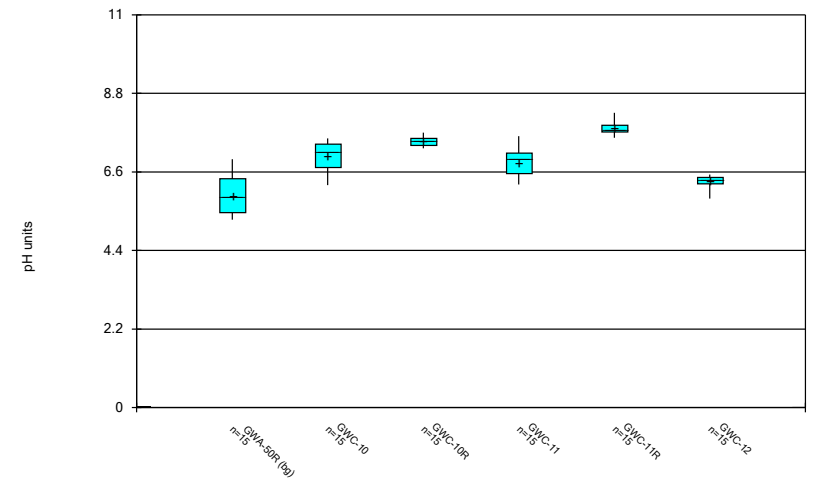
Constituent: Nickel Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



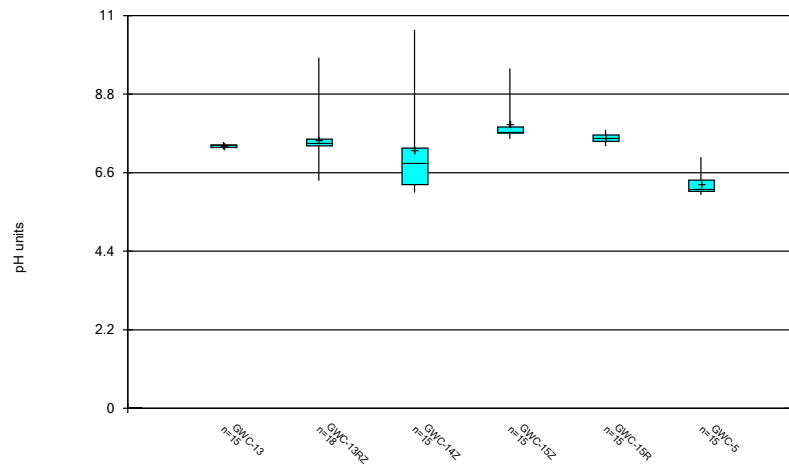
Constituent: pH Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



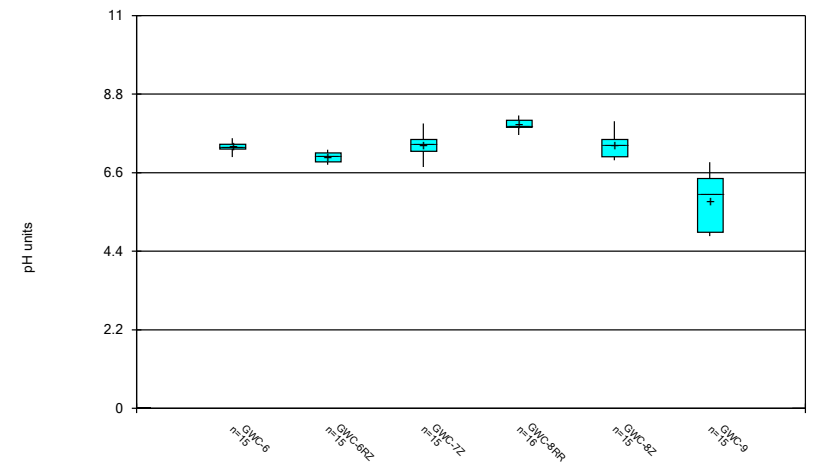
Constituent: pH Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



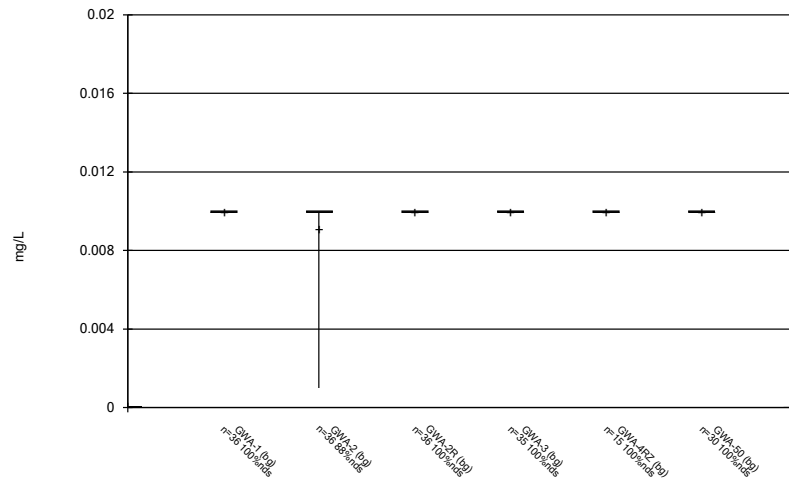
Constituent: pH Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



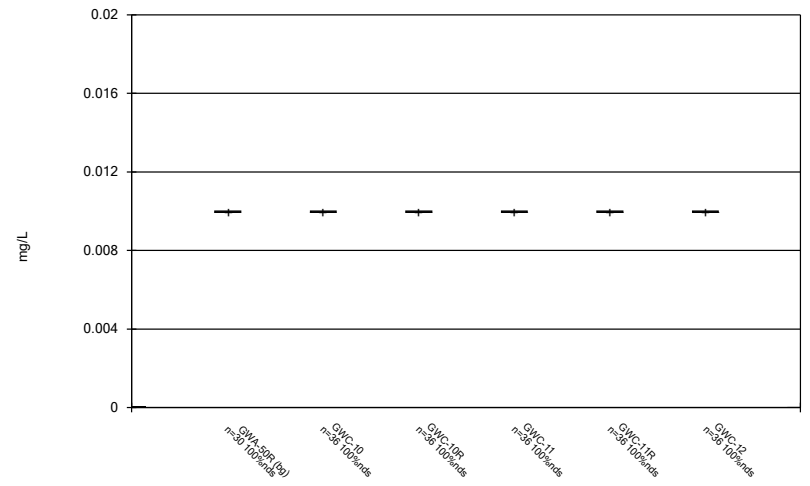
Constituent: pH Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



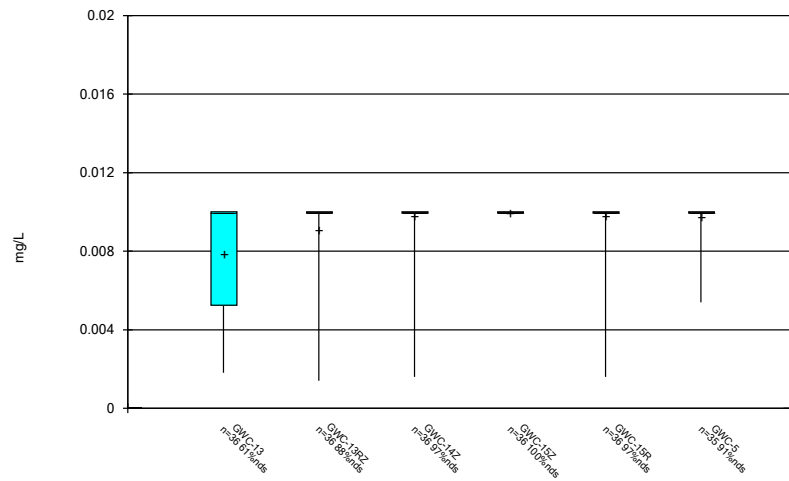
Constituent: Selenium Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



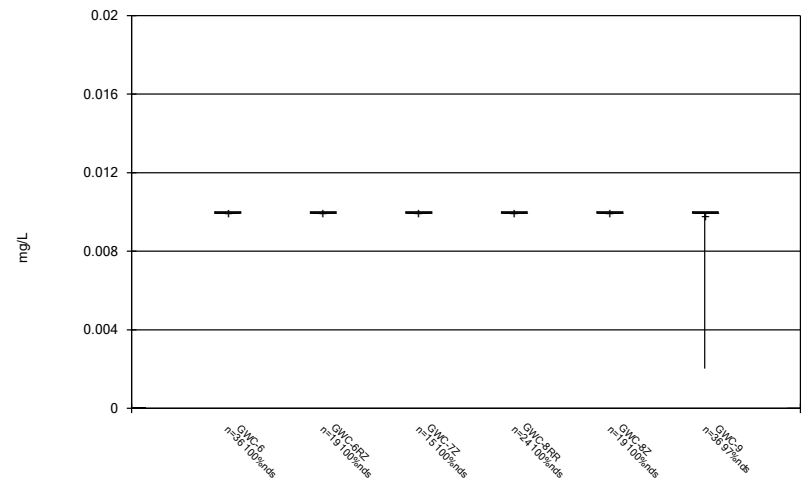
Constituent: Selenium Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



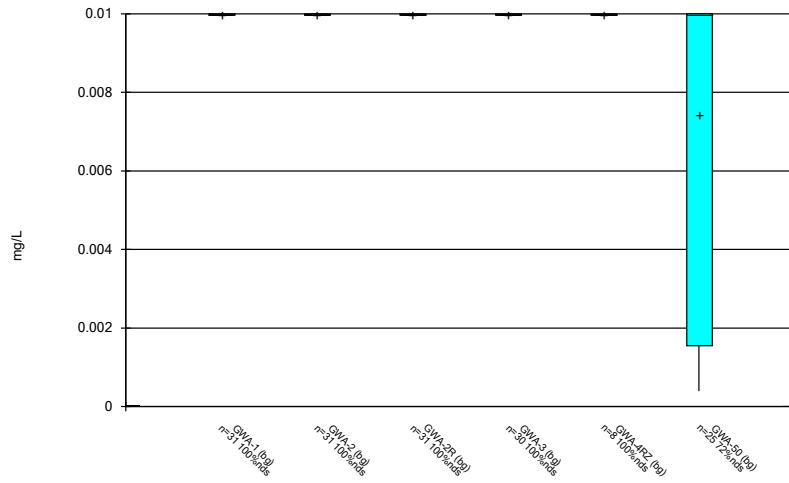
Constituent: Selenium Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



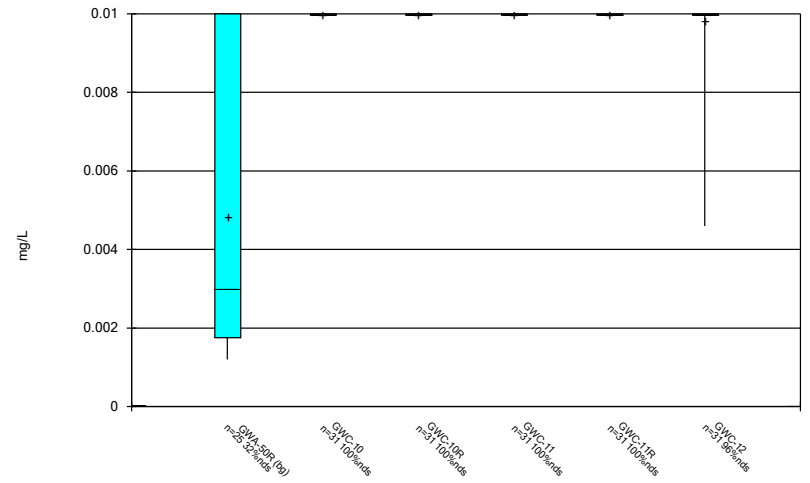
Constituent: Selenium Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



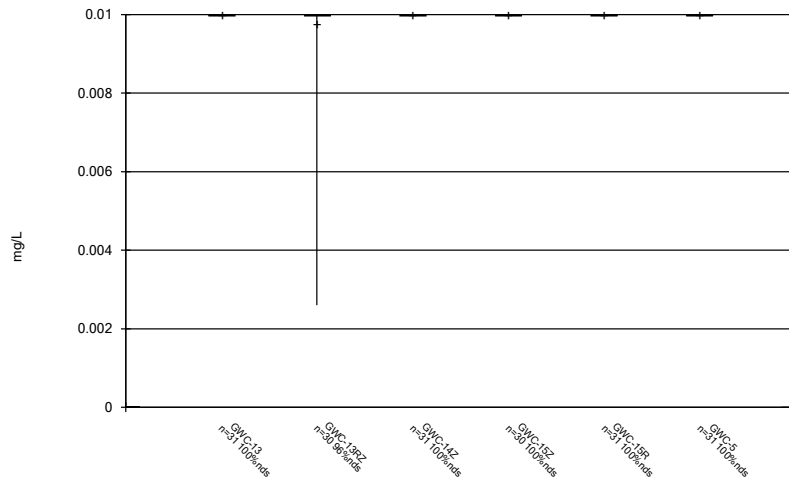
Constituent: Silver Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



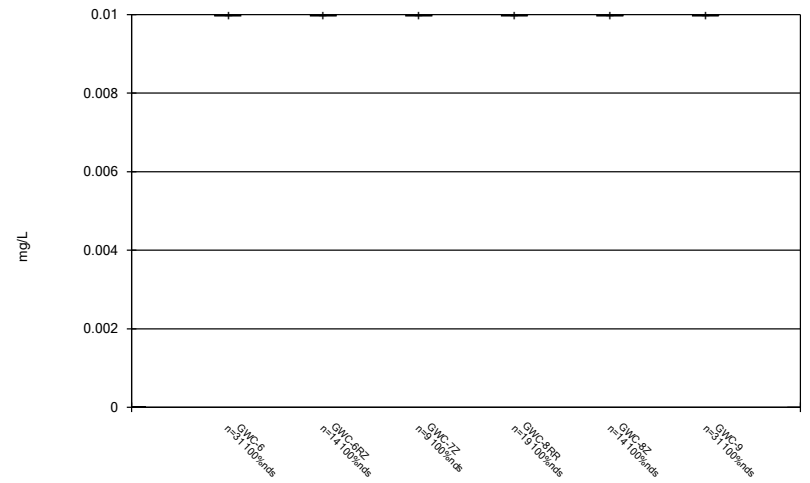
Constituent: Silver Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



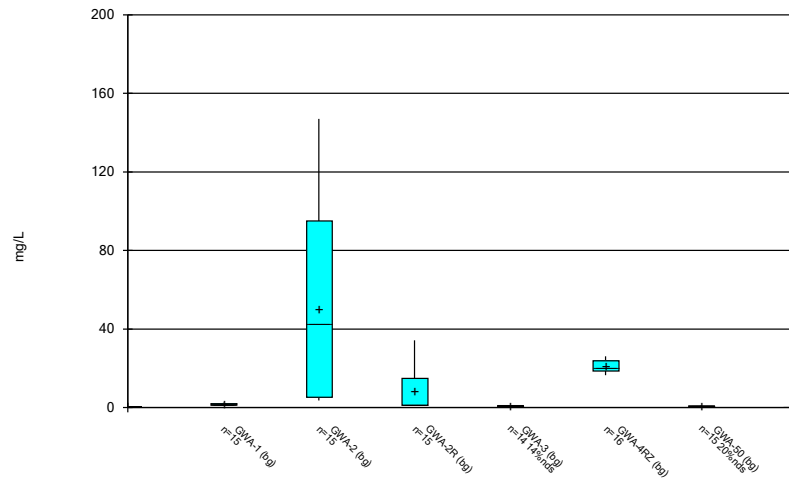
Constituent: Silver Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



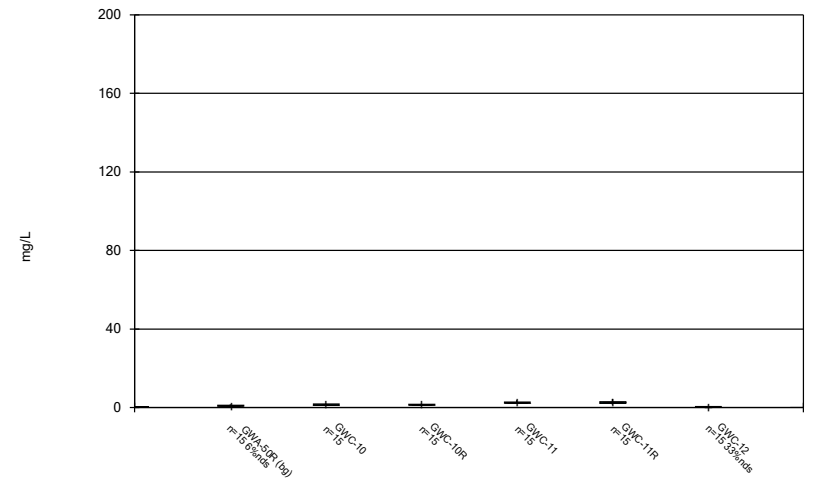
Constituent: Silver Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



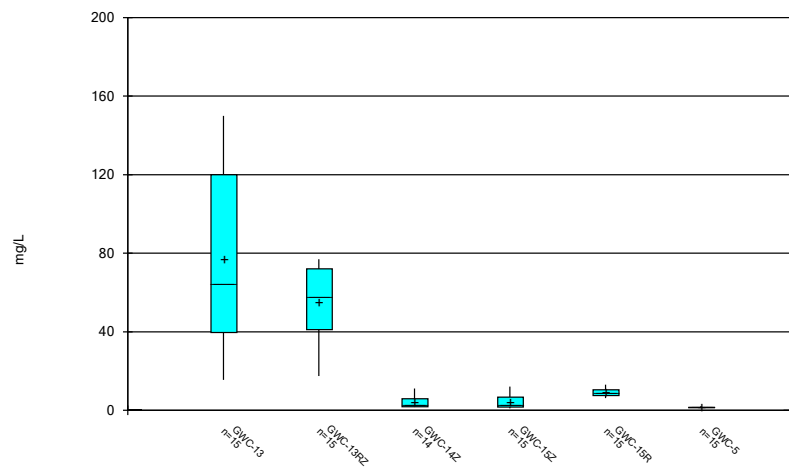
Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



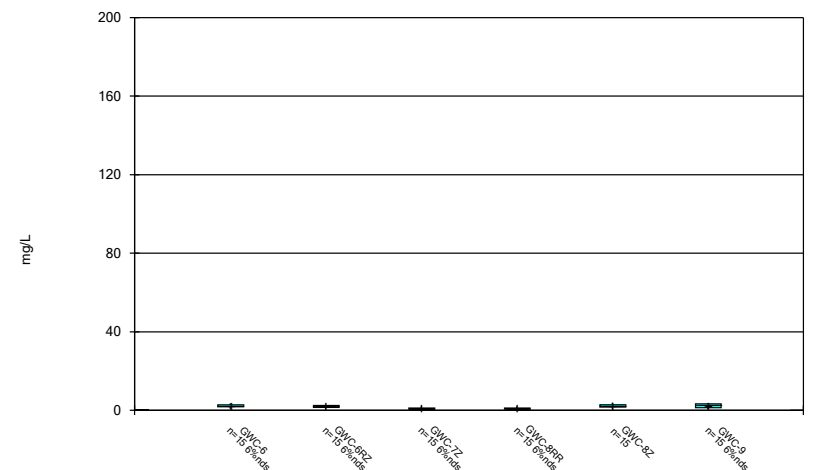
Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



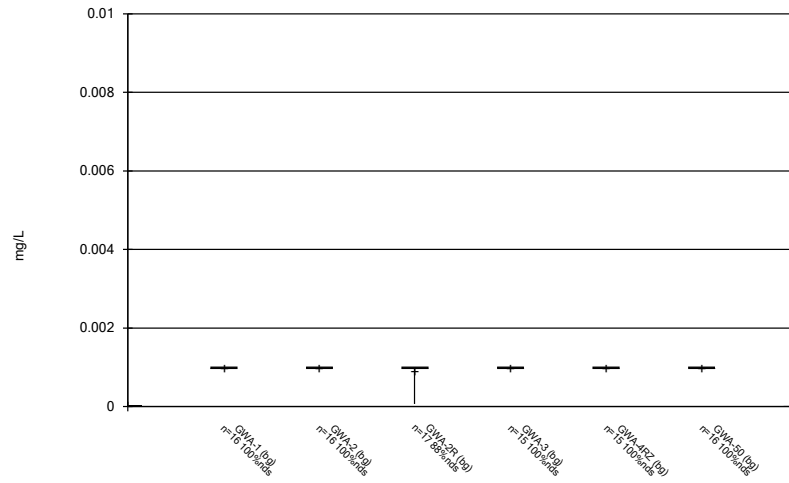
Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



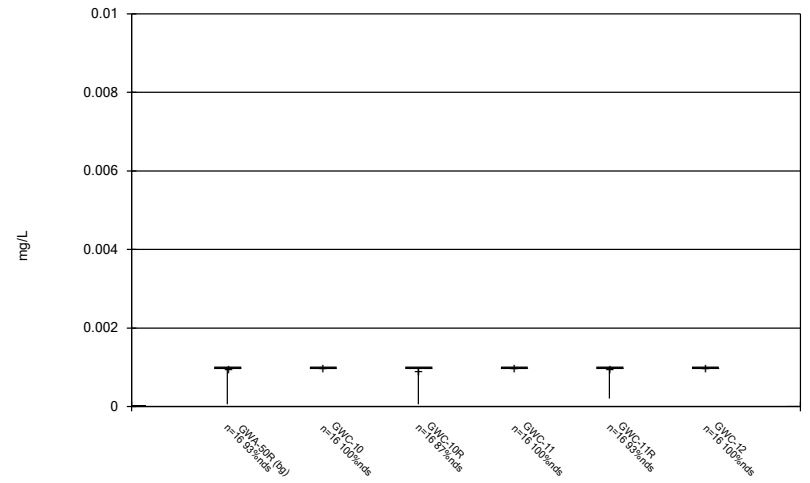
Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



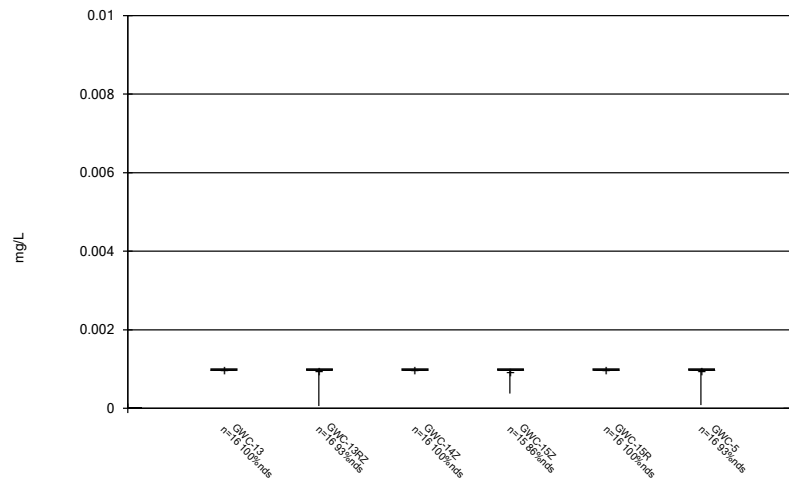
Constituent: Thallium Analysis Run 11/3/2020 3:26 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



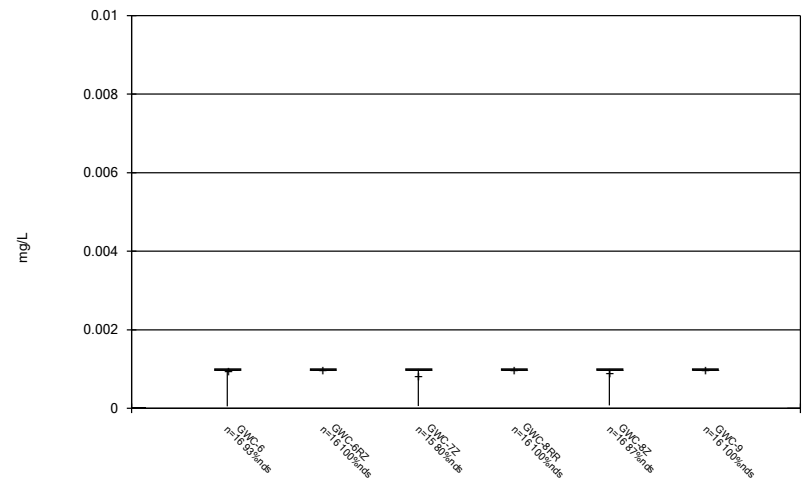
Constituent: Thallium Analysis Run 11/3/2020 3:26 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



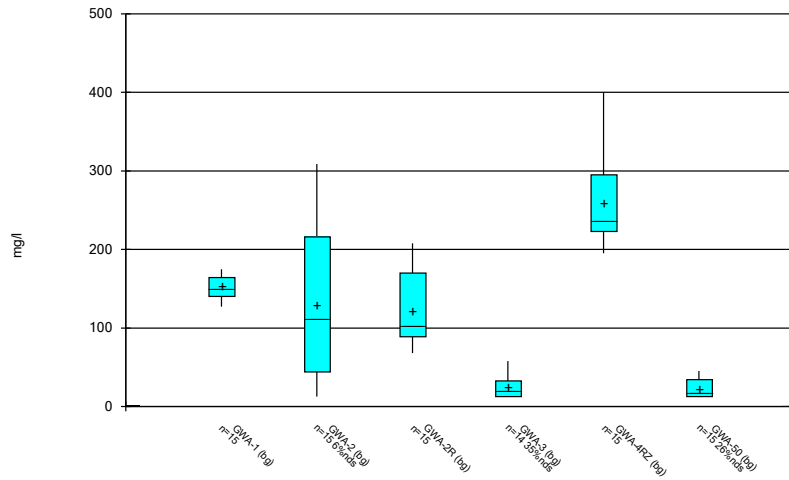
Constituent: Thallium Analysis Run 11/3/2020 3:26 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



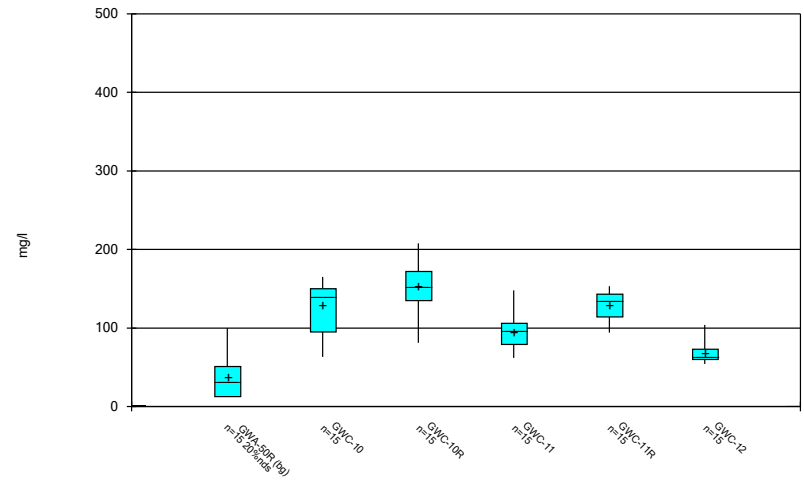
Constituent: Thallium Analysis Run 11/3/2020 3:26 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



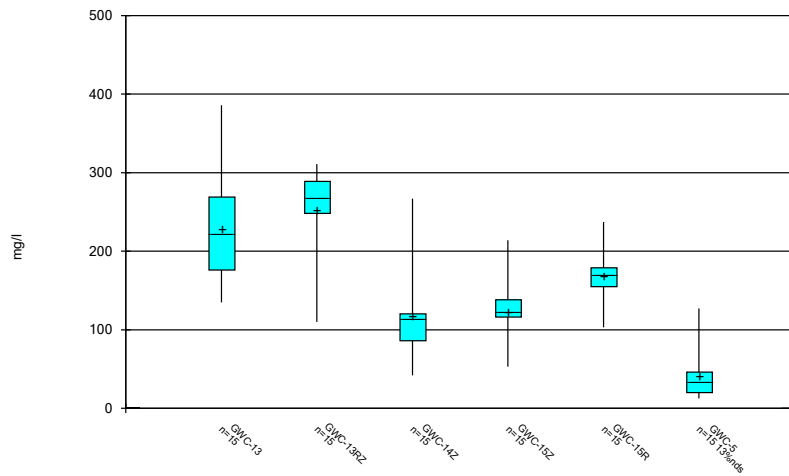
Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:26 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



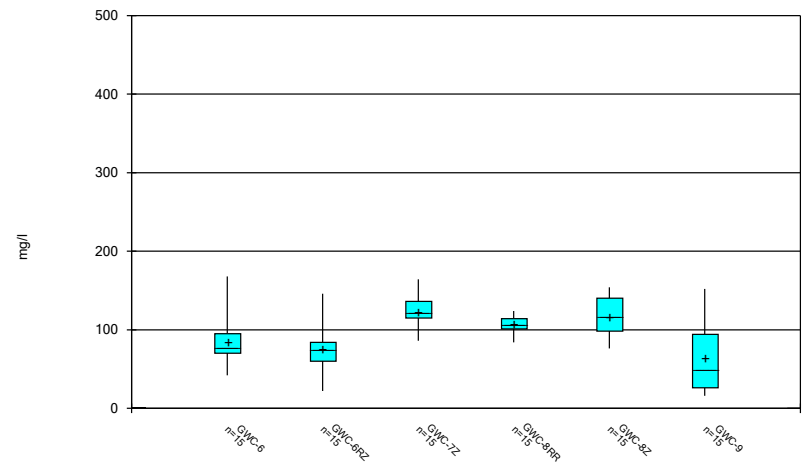
Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:26 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



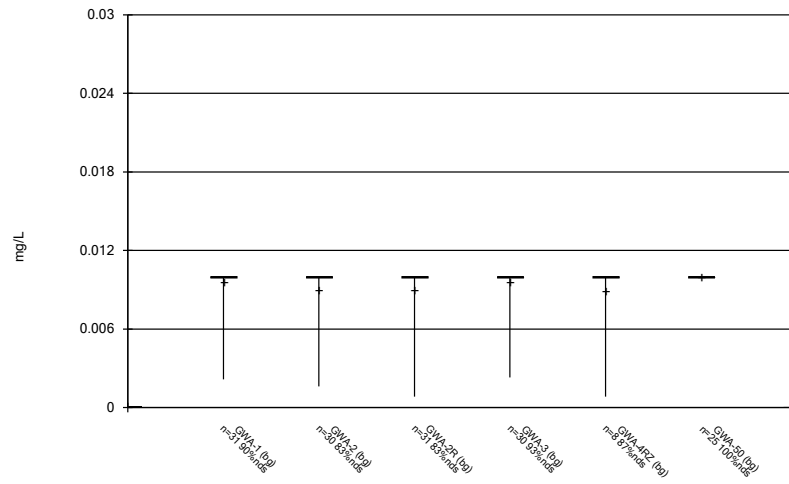
Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:26 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



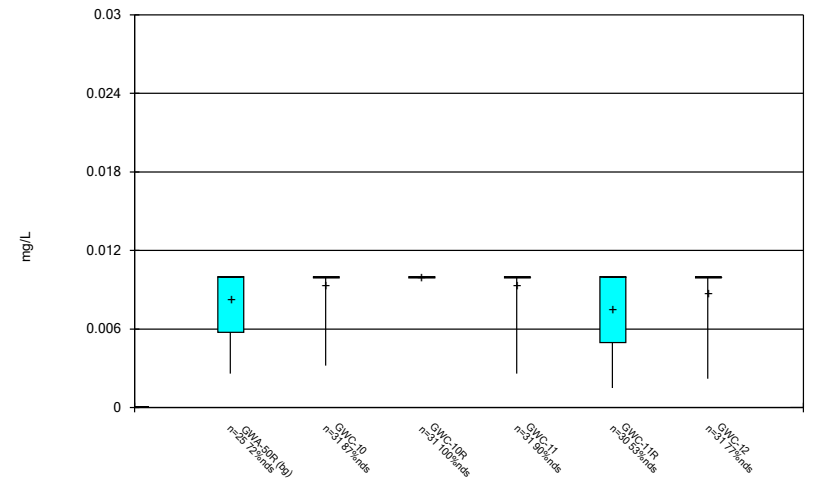
Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:26 PM
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



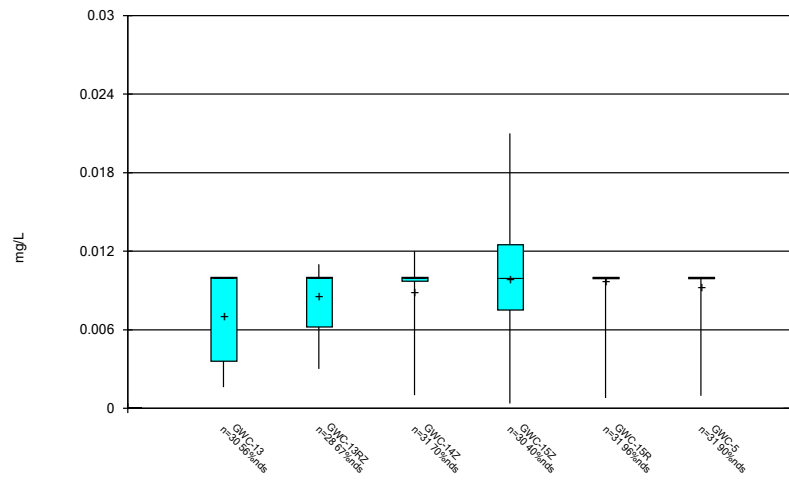
Constituent: Vanadium Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



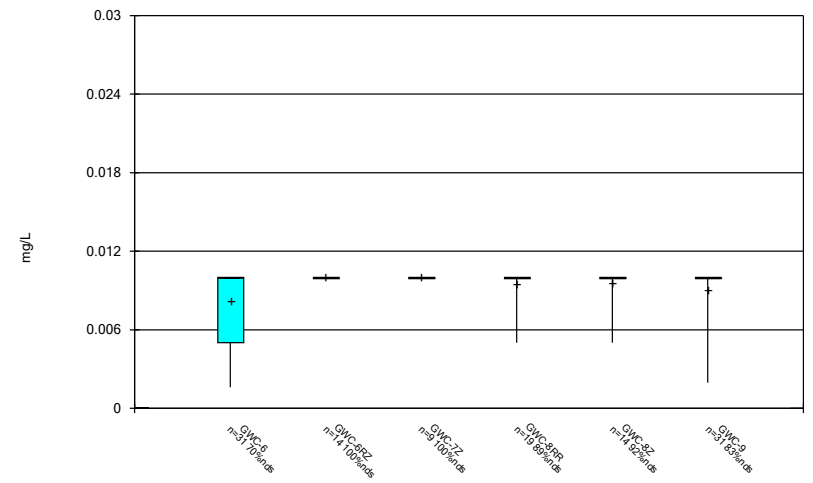
Constituent: Vanadium Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



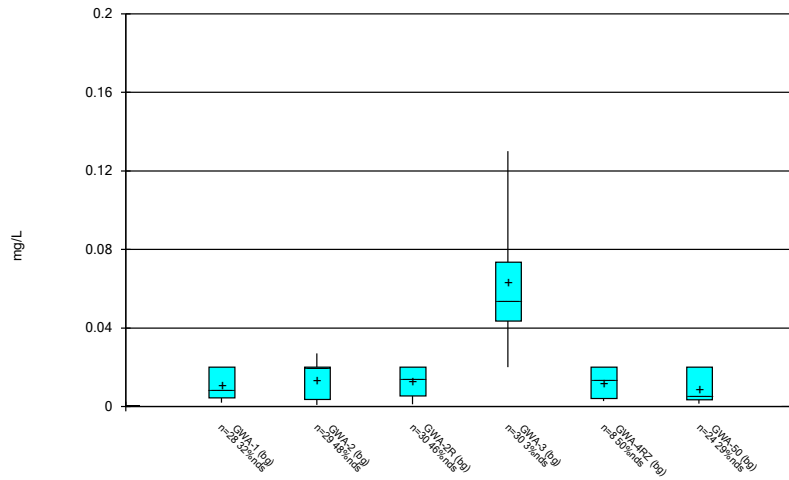
Constituent: Vanadium Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



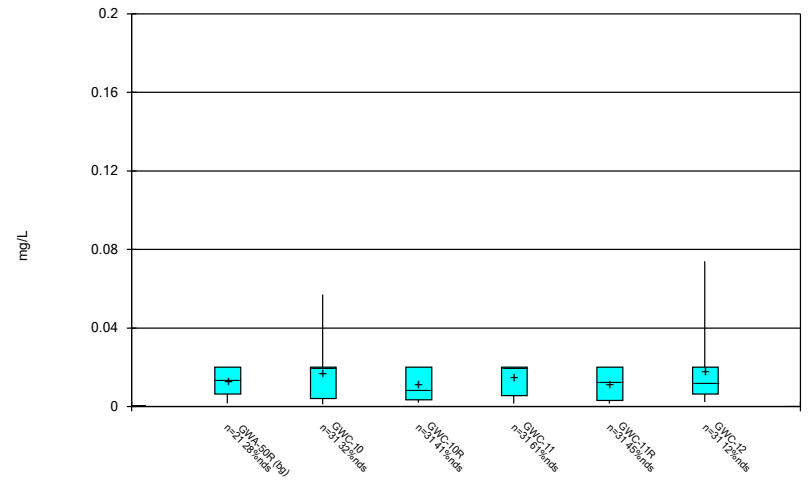
Constituent: Vanadium Analysis Run 11/3/2020 3:26 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



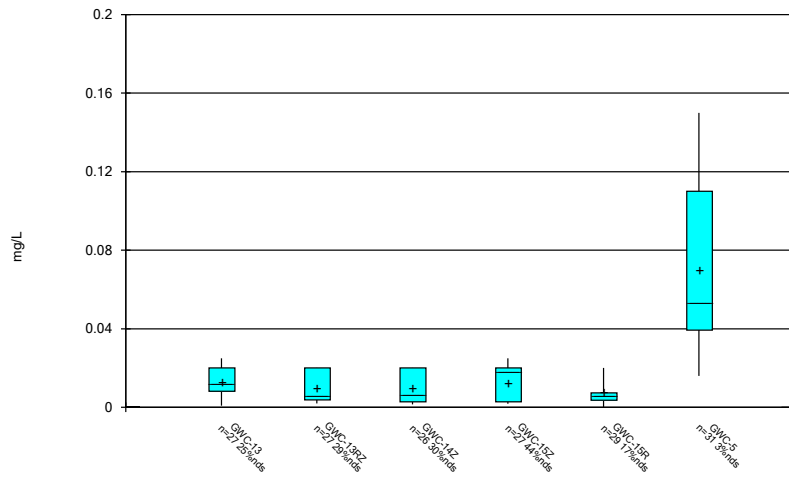
Constituent: Zinc Analysis Run 11/3/2020 3:27 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



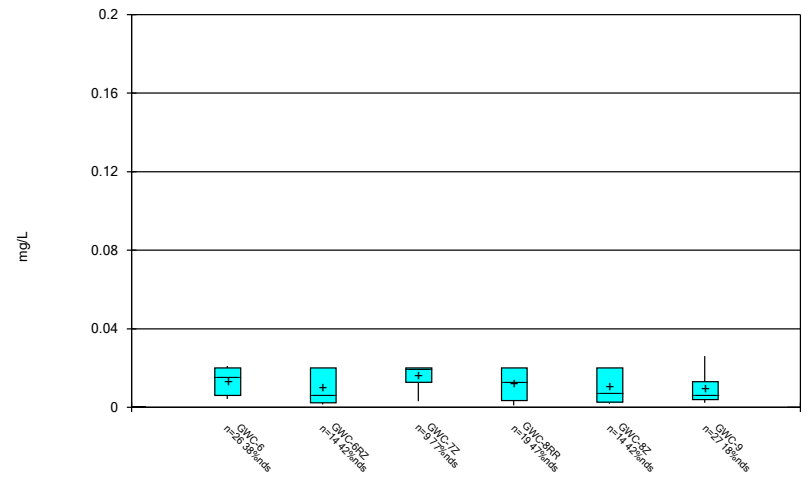
Constituent: Zinc Analysis Run 11/3/2020 3:27 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 11/3/2020 3:27 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 11/3/2020 3:27 PM
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

FIGURE C.

Overburden Excluded Data

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:31 PM

Date	GWC-6 Nickel (mg/L)	GWC-9 Nickel (mg/L)	GWC-5 Selenium (mg/L)	GWC-15Z Thallium (mg/L)	GWC-13 Vanadium (mg/L)	GWA-50 Zinc (mg/L)	GWC-13 Zinc (mg/L)	GWC-14Z Zinc (mg/L)	GWC-15Z Zinc (mg/L)	GWC-6 Zinc (mg/L)	GWC-9 Zinc (mg/L)
8/22/2007										0.04 (o)	
8/23/2007											
8/24/2007								0.052 (o)			
11/2/2007											
11/17/2007							0.024 (o)				
11/18/2007											
11/20/2007										0.03 (o)	
1/15/2008		0.057 (o)						0.055 (o)			0.075 (o)
1/16/2008											
1/23/2008	0.046 (o)									0.048 (o)	
1/31/2008						0.032 (o)					
3/5/2008							0.075 (o)				
3/6/2008		0.046 (o)									0.051 (o)
3/10/2008											
3/11/2008											
5/13/2008											
5/14/2008											
12/2/2008							0.11 (o)	0.065 (o)			
12/5/2008											
12/12/2008					0.048 (o)						0.077 (o)
12/13/2008				0.02 (o)		0.087 (o)					
12/14/2008											
4/15/2009											
4/16/2009							0.091 (o)				0.064 (o)
4/28/2009							0.067 (o)				
4/29/2009											
10/8/2009											
10/9/2009										0.055 (o)	
10/20/2009		0.015 (o)						0.056 (o)			
10/21/2009						0.025 (o)					
4/27/2010											
5/4/2010										0.045 (o)	
5/2/2012											
4/3/2015											
3/22/2016											
3/28/2016											
3/30/2016											
4/5/2016				0.00971 (o)							

Appendix III Excluded Data

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 10/28/2020, 2:09 PM

GWA-2 Fluoride (mg/L)

3/19/2018

1.1 (o)

FIGURE D.

Overburden Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bq N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-3	0.0068	n/a	3/11/2020	0.0045	No	32	n/a	n/a	68.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-50	0.003	n/a	9/16/2020	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-11	0.003	n/a	9/21/2020	0.00091J	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-13	0.003	n/a	9/22/2020	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-14Z	0.005	n/a	9/21/2020	0.003ND	No	32	n/a	n/a	87.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-15Z	0.0053	n/a	9/21/2020	0.003ND	No	31	n/a	n/a	83.87	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-5	0.003	n/a	9/16/2020	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-6	0.0035	n/a	9/16/2020	0.003ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-7Z	0.003	n/a	9/16/2020	0.0012J	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-9	0.003	n/a	9/17/2020	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0079	n/a	9/17/2020	0.005ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.012	n/a	9/21/2020	0.0065	No	31	n/a	n/a	29.03	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Arsenic (mg/L)	GWC-13	0.0096	n/a	9/22/2020	0.00098J	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-14Z	0.0079	n/a	9/21/2020	0.005ND	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15Z	0.0077	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5	0.005	n/a	9/16/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-6	0.005	n/a	9/16/2020	0.005ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-7Z	0.003663	n/a	9/16/2020	0.005ND	No	11	0.002522	0.0005101	18.18	Kaplan-Meier	No	0.0002993	Param Intra 1 of 3
Arsenic (mg/L)	GWC-8Z	0.005	n/a	9/17/2020	0.005ND	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.0086	n/a	9/17/2020	0.005ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-3	0.007921	n/a	3/11/2020	0.0041J	No	23	0.005815	0.001177	4.348	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWA-50	0.01571	n/a	9/16/2020	0.0081J	No	25	0.009848	0.003336	4	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.02966	n/a	9/17/2020	0.013	No	29	-4.024	0.2943	0	None	ln(x)	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.036	n/a	9/21/2020	0.0093J	No	31	n/a	n/a	3.226	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.07	n/a	9/21/2020	0.023	No	28	n/a	n/a	0	n/a	n/a	0.0002317	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-13	0.04922	n/a	9/22/2020	0.027	No	30	0.02845	0.01216	0	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-14Z	0.04432	n/a	9/21/2020	0.013	No	28	0.1367	0.04275	7.143	None	sqrt(x)	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-15Z	0.01987	n/a	9/21/2020	0.013	No	31	0.0106	0.00545	3.226	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-5	0.02443	n/a	9/16/2020	0.013	No	31	0.01764	0.003992	0	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-6	0.02458	n/a	9/16/2020	0.0074J	No	29	0.1134	0.02526	3.448	None	sqrt(x)	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-7Z	0.03969	n/a	9/16/2020	0.02	No	11	0.0267	0.005812	0	None	No	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-8Z	0.05253	n/a	9/17/2020	0.025	No	15	0.1761	0.02662	0	None	sqrt(x)	0.0002993	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.04876	n/a	9/17/2020	0.031	No	28	0.03862	0.005872	0	None	No	0.0002993	Param Intra 1 of 3
Beryllium (mg/L)	GWC-10	0.003	n/a	9/17/2020	0.003ND	No	14	n/a	n/a	71.43	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.003	n/a	9/21/2020	0.003ND	No	14	n/a	n/a	100	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-13	0.003	n/a	9/22/2020	0.003ND	No	14	n/a	n/a	57.14	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-14Z	0.003	n/a	9/21/2020	0.000095J	No	14	n/a	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5	0.003	n/a	9/16/2020	0.00069J	No	14	n/a	n/a	14.29	n/a	n/a	0.0016	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-6	0.003	n/a	9/16/2020	0.003ND	No	14	n/a	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-8Z	0.003	n/a	9/17/2020	0.000049J	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.003	n/a	9/17/2020	0.000048J	No	14	n/a	n/a	35.71	n/a	n/a	0.0016	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-50	0.001	n/a	9/16/2020	0.001ND	No	26	n/a	n/a	96.15	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-12	0.001	n/a	9/21/2020	0.00025J	No	32	n/a	n/a	68.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-14Z	0.001	n/a	9/21/2020	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-5	0.00104	n/a	9/16/2020	0.001ND	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-6	0.001	n/a	9/16/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-7Z	0.001	n/a	9/16/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-8Z	0.001	n/a	9/17/2020	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-3	0.027	n/a	3/11/2020	0.00095J	No	29	n/a	n/a	86.21	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-50	0.01	n/a	9/16/2020	0.01ND	No	26	n/a	n/a	88.46	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-10	0.042	n/a	9/17/2020	0.0011J	No	32	n/a	n/a	46.88	n/a	n/a	0.0001572	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.025	n/a	9/21/2020	0.0081J	No	32	n/a	n/a	28.13	n/a	n/a	0.0001572	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-12	0.039	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	71.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-13	0.02017	n/a	9/22/2020	0.0062J	No	32	-4.769	0.511	0	None	ln(x)	0.0002993	Param Intra 1 of 3
Chromium (mg/L)	GWC-14Z	0.01856	n/a	9/21/2020	0.01ND	No	31	0.07182	0.03787	25.81	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 3

Overburden Intrawell Prediction Limits - All Results (No Significant) Page 2

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-15Z	0.027	n/a	9/21/2020	0.00089J	No	26	n/a	n/a	57.69	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5	0.032	n/a	9/16/2020	0.01ND	No	32	n/a	n/a	53.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-6	0.027	n/a	9/16/2020	0.0022J	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-7Z	0.01	n/a	9/16/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-8Z	0.01	n/a	9/17/2020	0.0017J	No	14	n/a	n/a	42.86	n/a	n/a	0.0016	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-9	0.018	n/a	9/17/2020	0.01ND	No	30	n/a	n/a	80	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.01	n/a	3/11/2020	0.00041J	No	32	n/a	n/a	37.5	n/a	n/a	0.0001572	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-10	0.013	n/a	9/17/2020	0.01ND	No	32	n/a	n/a	65.63	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.016	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.01	n/a	9/21/2020	0.0029J	No	31	n/a	n/a	9.677	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-13	0.011	n/a	9/22/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-14Z	0.011	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15Z	0.01	n/a	9/21/2020	0.01ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5	0.01	n/a	9/16/2020	0.01ND	No	32	n/a	n/a	53.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-6	0.01	n/a	9/16/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-7Z	0.01	n/a	9/16/2020	0.00072J	No	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-8Z	0.01	n/a	9/17/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.01	n/a	9/17/2020	0.01ND	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0509	n/a	3/11/2020	0.027	No	27	0.03618	0.008473	0	None	No	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWA-50	0.01497	n/a	9/16/2020	0.0018J	No	21	0.1825	0.03515	19.05	Kaplan-Meier	x^(1/3)	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWC-10	0.025	n/a	9/17/2020	0.025ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	70.37	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-13	0.025	n/a	9/22/2020	0.025ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-14Z	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15Z	0.025	n/a	9/21/2020	0.025ND	No	26	n/a	n/a	69.23	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5	0.05566	n/a	9/16/2020	0.017J	No	26	0.02693	0.01643	0	None	No	0.0002993	Param Intra 1 of 3
Copper (mg/L)	GWC-6	0.025	n/a	9/16/2020	0.025ND	No	27	n/a	n/a	59.26	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-7Z	0.025	n/a	9/16/2020	0.025ND	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-8Z	0.025	n/a	9/17/2020	0.025ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.025	n/a	9/17/2020	0.025ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-50	0.005	n/a	9/16/2020	0.000093J	No	26	n/a	n/a	92.31	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-10	0.005	n/a	9/17/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.005	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-13	0.005	n/a	9/22/2020	0.00015J	No	32	n/a	n/a	84.38	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-14Z	0.005	n/a	9/21/2020	0.00023J	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-15Z	0.005	n/a	9/21/2020	0.000075J	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5	0.005	n/a	9/16/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-6	0.005	n/a	9/16/2020	0.00012J	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-7Z	0.005	n/a	9/16/2020	0.00011J	No	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-8Z	0.005	n/a	9/17/2020	0.000065J	No	15	n/a	n/a	46.67	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-9	0.005	n/a	9/17/2020	0.000079J	No	32	n/a	n/a	78.13	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-50	0.0005	n/a	9/16/2020	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-11	0.0005	n/a	9/21/2020	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-12	0.0005	n/a	9/21/2020	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-13	0.0005	n/a	9/22/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-15Z	0.0005	n/a	9/21/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-5	0.0005	n/a	9/16/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-6	0.0005	n/a	9/16/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.05886	n/a	3/11/2020	0.012	No	26	-3.665	0.4764	0	None	ln(x)	0.0002993	Param Intra 1 of 3
Nickel (mg/L)	GWA-50	0.01	n/a	9/16/2020	0.01ND	No	21	n/a	n/a	47.62	n/a	n/a	0.000511	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-10	0.032	n/a	9/17/2020	0.01ND	No	27	n/a	n/a	51.85	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.029	n/a	9/21/2020	0.0019J	No	27	n/a	n/a	48.15	n/a	n/a	0.000256	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-13	0.015	n/a	9/22/2020	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-14Z	0.011	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	62.96	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3

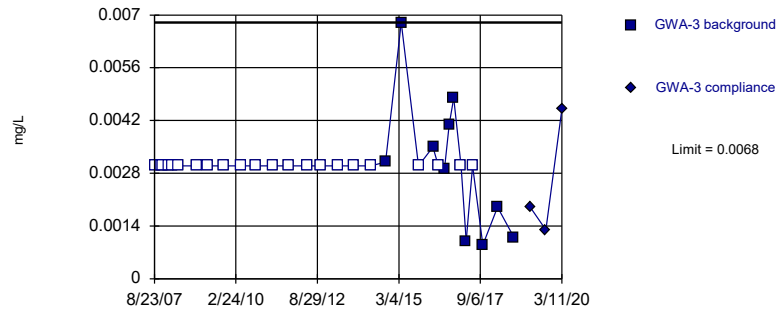
Overburden Intrawell Prediction Limits - All Results (No Significant) Page 3

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWC-15Z	0.019	n/a	9/21/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5	0.04631	n/a	9/16/2020	0.0075J	No	27	0.02419	0.01273	0	None	No	0.0002993	Param Intra 1 of 3
Nickel (mg/L)	GWC-6	0.022	n/a	9/16/2020	0.01ND	No	26	n/a	n/a	46.15	n/a	n/a	0.0002803	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-7Z	0.001363	n/a	9/16/2020	0.01ND	No	5	0.001133	0.0000471440		Kaplan-Meier	No	0.0002993	Param Intra 1 of 3
Nickel (mg/L)	GWC-8Z	0.01	n/a	9/17/2020	0.01ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.014	n/a	9/17/2020	0.01ND	No	25	n/a	n/a	40	n/a	n/a	0.0003046	NP Intra (normality) 1 of 3
Selenium (mg/L)	GWC-13	0.01	n/a	9/22/2020	0.01ND	No	32	n/a	n/a	62.5	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-14Z	0.01	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5	0.01	n/a	9/16/2020	0.01ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.01	n/a	9/17/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	n/a	0.0001572	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-50	0.01	n/a	9/16/2020	0.00042J	No	21	n/a	n/a	80.95	n/a	n/a	0.000511	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-12	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-15Z	0.001	n/a	9/21/2020	0.001ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5	0.001	n/a	9/16/2020	0.001ND	No	12	n/a	n/a	100	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-6	0.001	n/a	9/16/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-7Z	0.001	n/a	9/16/2020	0.00019J	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-8Z	0.001	n/a	9/17/2020	0.001ND	No	12	n/a	n/a	83.33	n/a	n/a	0.002173	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.01	n/a	3/11/2020	0.01ND	No	27	n/a	n/a	92.59	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.01	n/a	9/17/2020	0.01ND	No	27	n/a	n/a	85.19	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-13	0.01	n/a	9/22/2020	0.01ND	No	26	n/a	n/a	53.85	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-14Z	0.012	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15Z	0.0165	n/a	9/21/2020	0.01ND	No	26	0.006028	0.005988	34.62	Kaplan-Meier	No	0.0002993	Param Intra 1 of 3
Vanadium (mg/L)	GWC-5	0.01	n/a	9/16/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-6	0.01	n/a	9/16/2020	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-8Z	0.01	n/a	9/17/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.01	n/a	9/17/2020	0.01ND	No	27	n/a	n/a	81.48	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-3	0.1185	n/a	3/11/2020	0.031	No	27	-2.766	0.3644	3.704	None	ln(x)	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWA-50	0.009177	n/a	9/16/2020	0.02ND	No	20	-5.563	0.4751	25	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-10	0.03667	n/a	9/17/2020	0.02ND	No	27	0.09035	0.0582	29.63	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-11	0.02	n/a	9/21/2020	0.02ND	No	27	n/a	n/a	62.96	n/a	n/a	0.000256	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.05749	n/a	9/21/2020	0.0065J	No	27	-4.541	0.9693	14.81	None	ln(x)	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-13	0.01765	n/a	9/22/2020	0.02ND	No	23	0.008589	0.005062	26.09	Kaplan-Meier	No	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-14Z	0.02	n/a	9/21/2020	0.02ND	No	22	n/a	n/a	27.27	n/a	n/a	0.0004594	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-15Z	0.025	n/a	9/21/2020	0.02ND	No	23	n/a	n/a	43.48	n/a	n/a	0.0004078	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-5	0.1443	n/a	9/16/2020	0.033	No	27	0.07538	0.03964	3.704	None	No	0.0002993	Param Intra 1 of 3
Zinc (mg/L)	GWC-6	0.021	n/a	9/16/2020	0.02ND	No	22	n/a	n/a	36.36	n/a	n/a	0.0004594	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-7Z	0.02	n/a	9/16/2020	0.02ND	No	5	n/a	n/a	100	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-8Z	0.02	n/a	9/17/2020	0.02ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-9	0.01702	n/a	9/17/2020	0.02ND	No	23	0.08208	0.02704	17.39	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 3

Within Limit

Prediction Limit
Intrawell Non-parametric

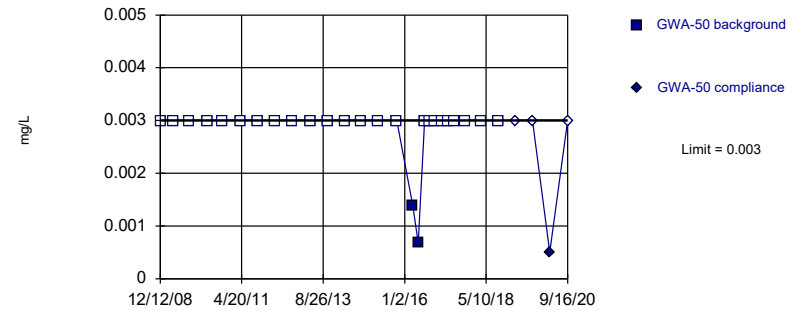


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

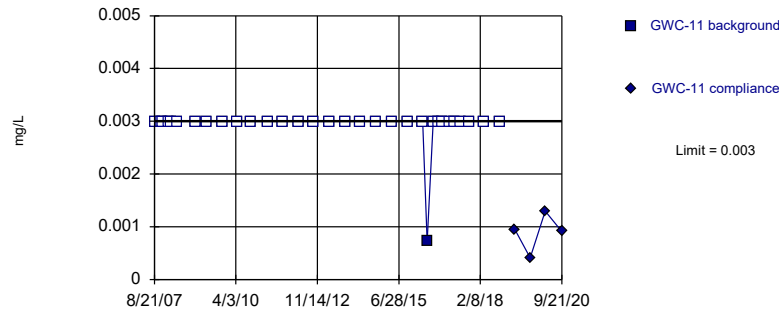


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

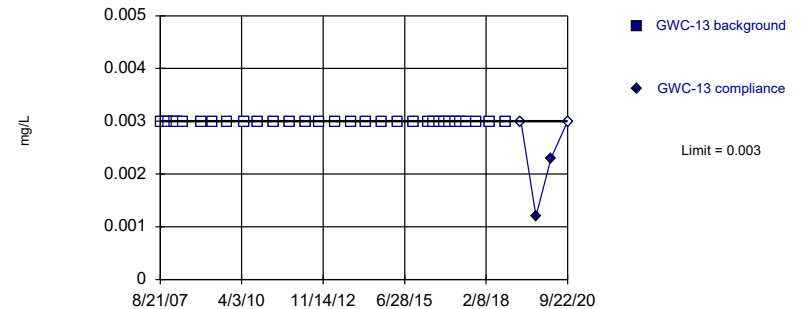


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

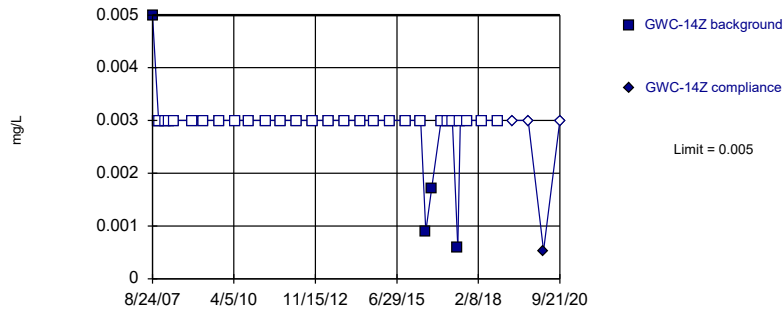


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

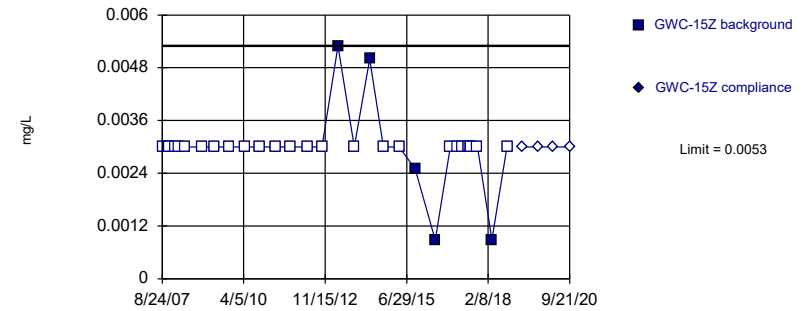


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

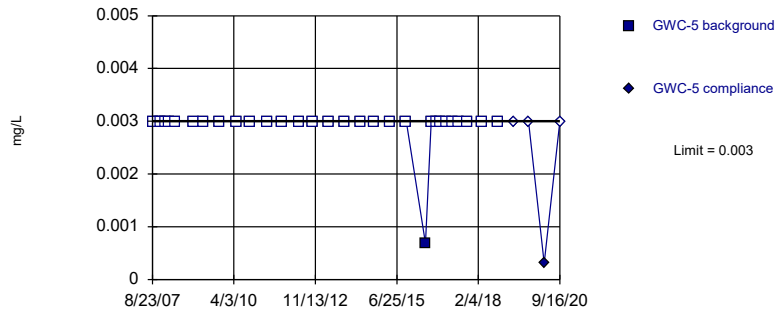


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

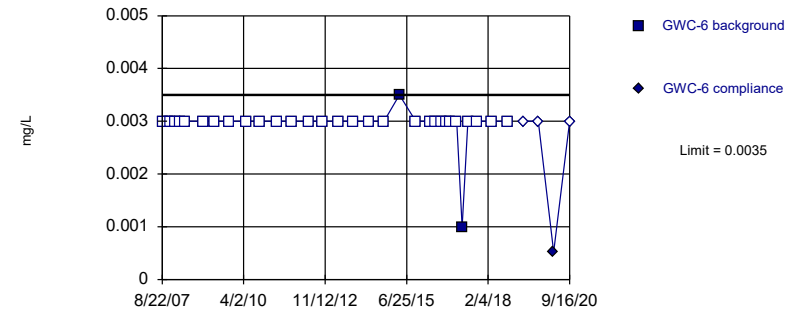


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

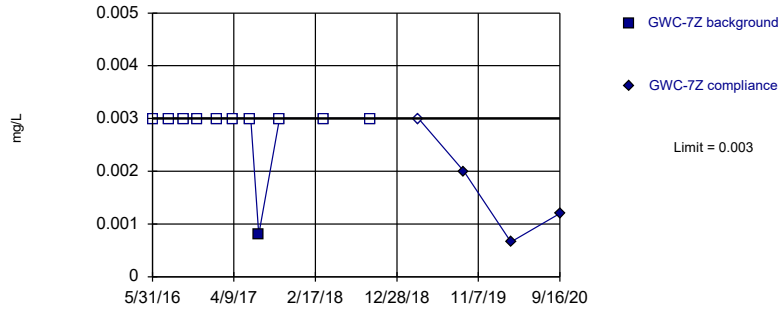


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

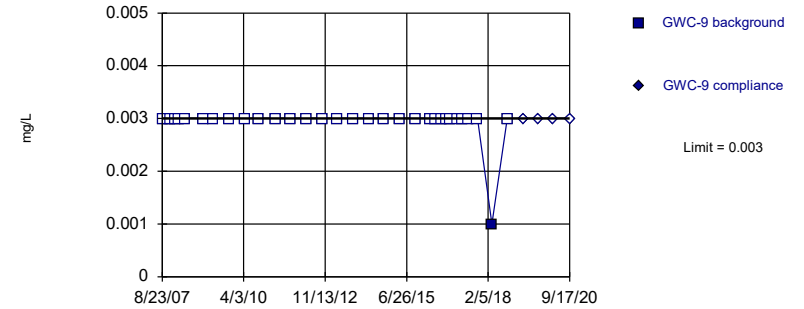


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

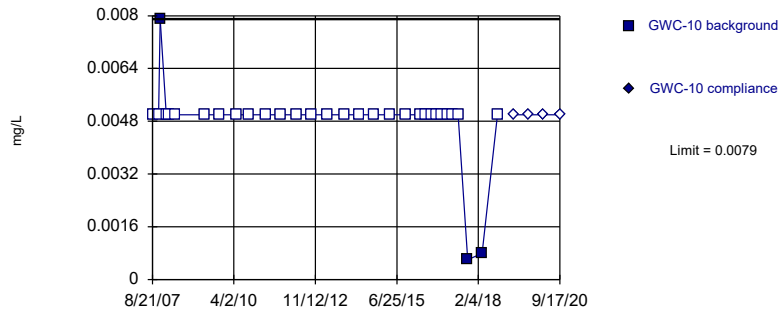


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Antimony Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

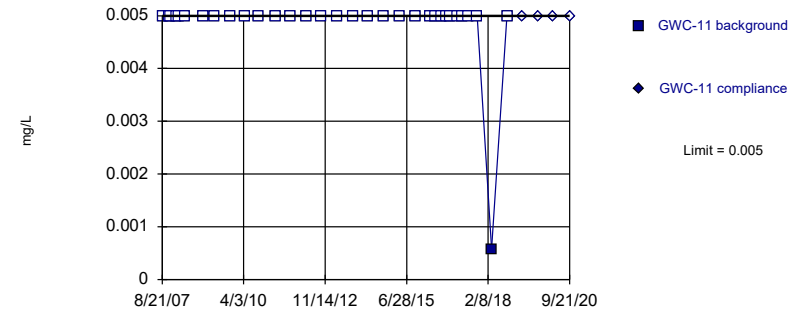


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

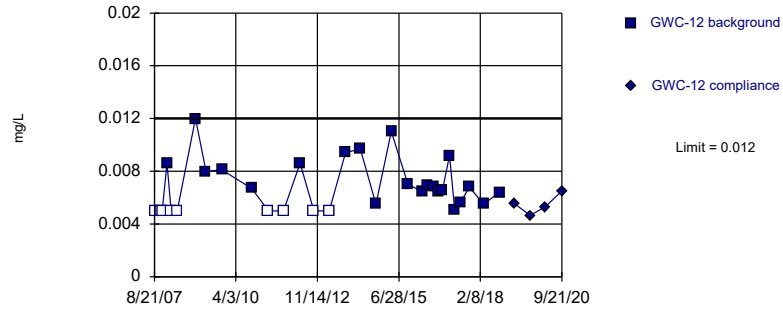


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

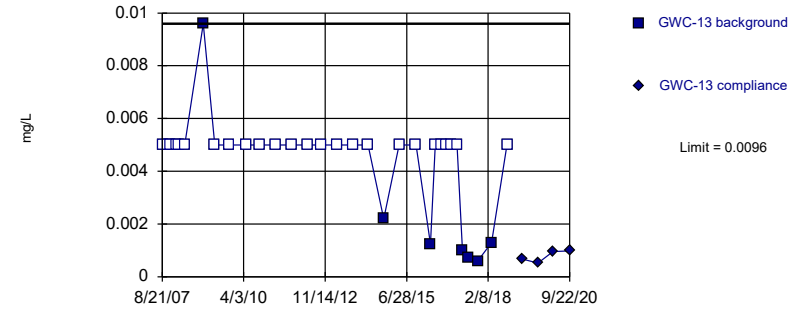


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 29.03% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

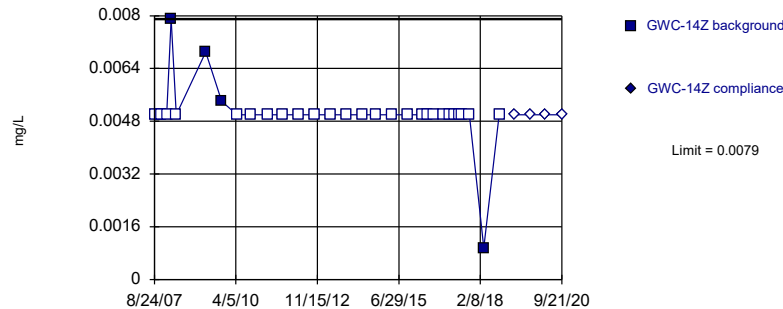


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

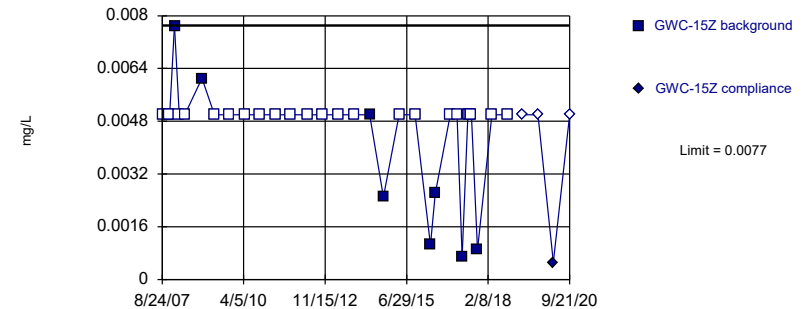


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

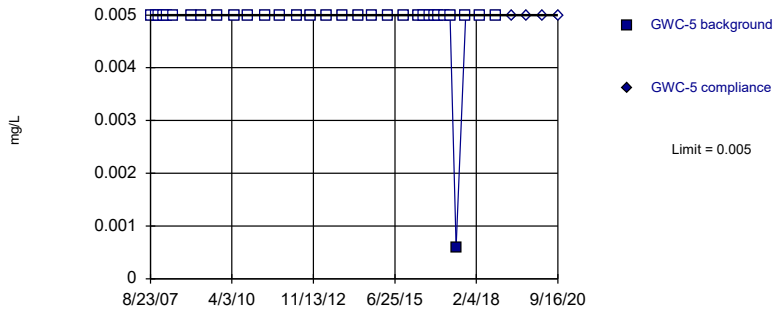


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

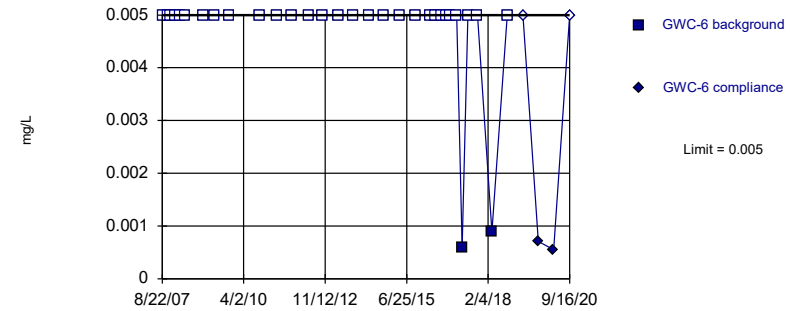


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

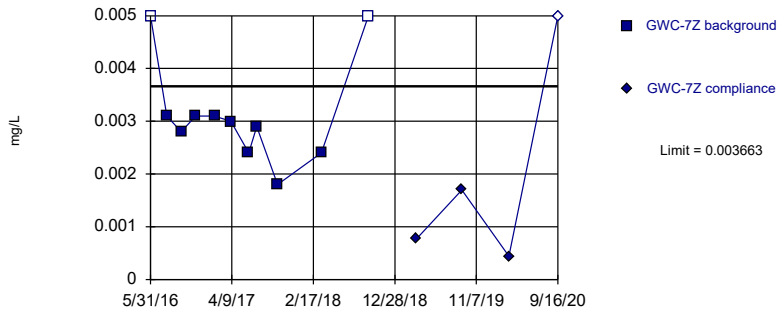


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

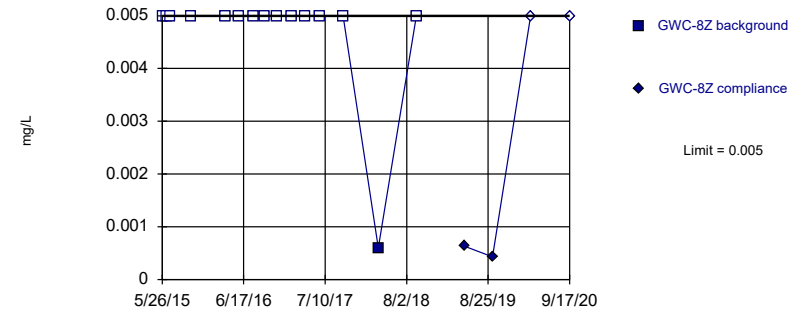


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002522, Std. Dev.=0.0005101, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8226, critical = 0.792. Kappa = 2.236 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

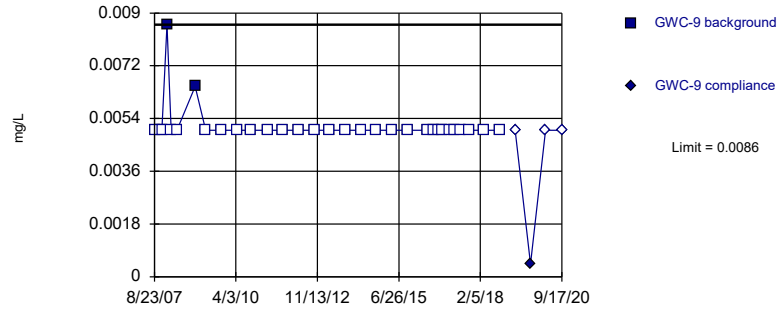


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

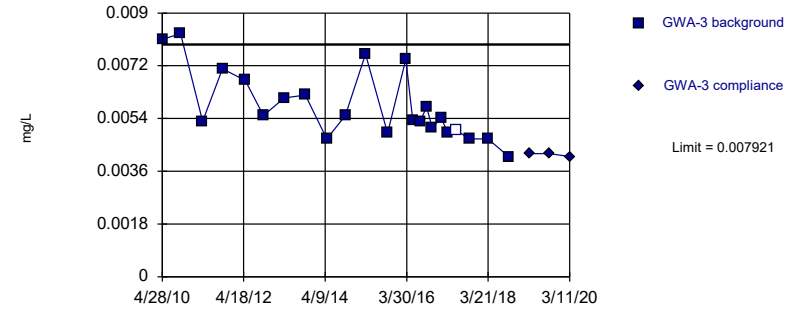


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Arsenic Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

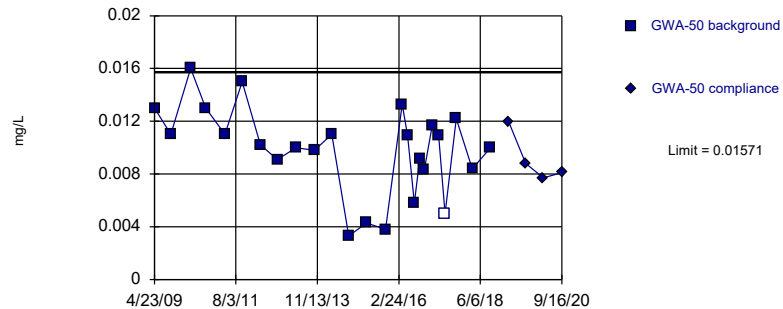


Background Data Summary: Mean=0.005815, Std. Dev.=0.001177, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.901, critical = 0.881. Kappa = 1.789 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

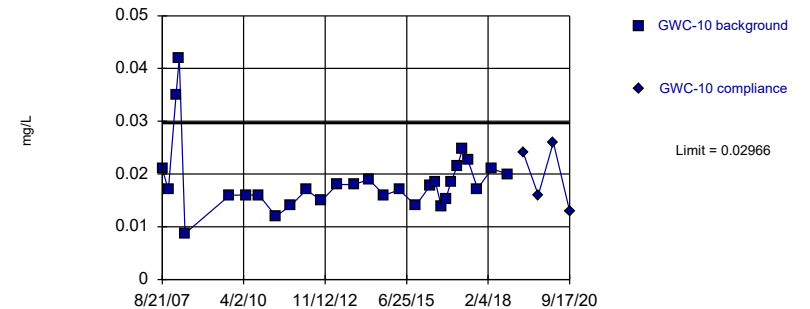


Background Data Summary: Mean=0.009848, Std. Dev.=0.003336, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9472, critical = 0.888. Kappa = 1.758 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

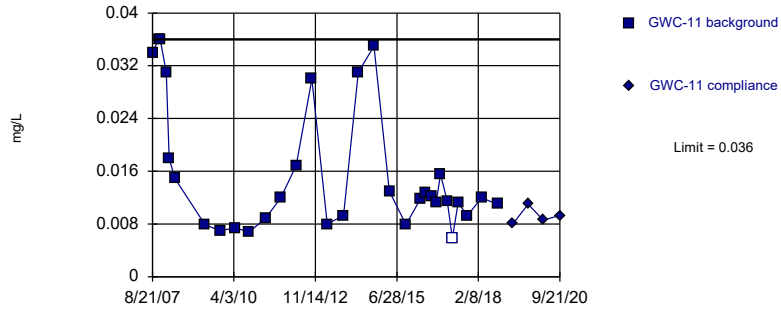


Background Data Summary (based on natural log transformation): Mean=-4.024, Std. Dev.=0.2943, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9179, critical = 0.898. Kappa = 1.718 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

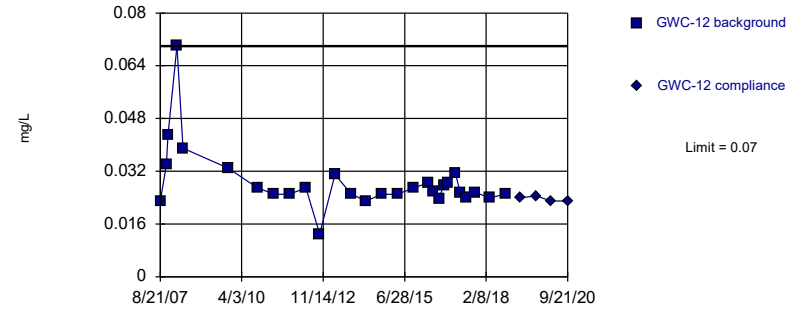


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 3.226% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

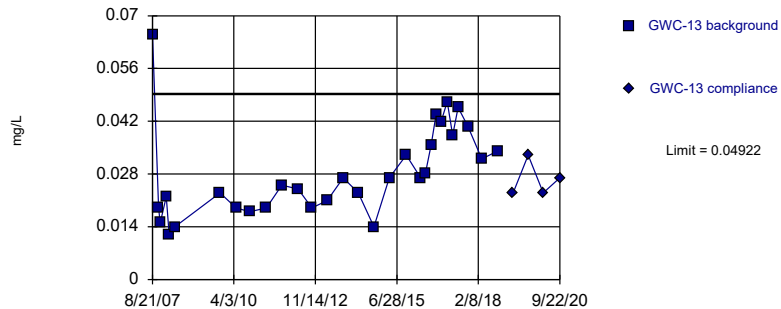


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. Well-constituent pair annual alpha = 0.0004633. Individual comparison alpha = 0.0002317 (1 of 3).

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

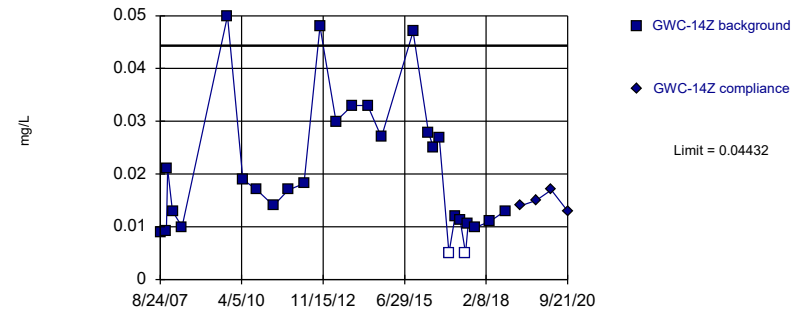


Background Data Summary: Mean=0.02845, Std. Dev.=0.01216, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9232, critical = 0.9. Kappa = 1.708 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

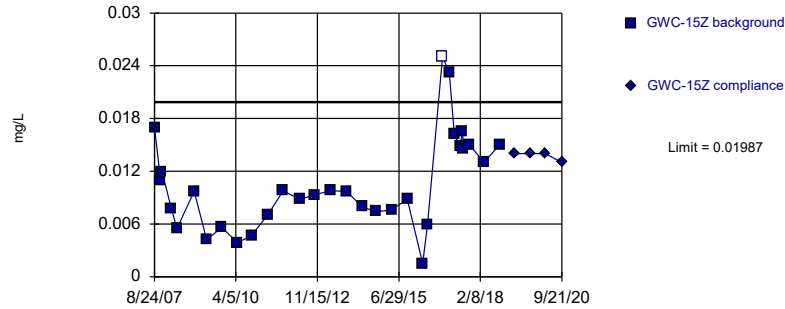


Background Data Summary (based on square root transformation): Mean=0.1367, Std. Dev.=0.04275, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9389, critical = 0.896. Kappa = 1.728 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

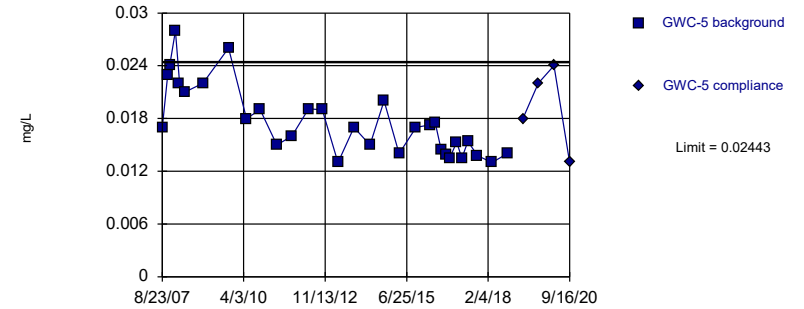


Background Data Summary: Mean=0.0106, Std. Dev.=0.00545, n=31, 3.226% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.902. Kappa = 1.701 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

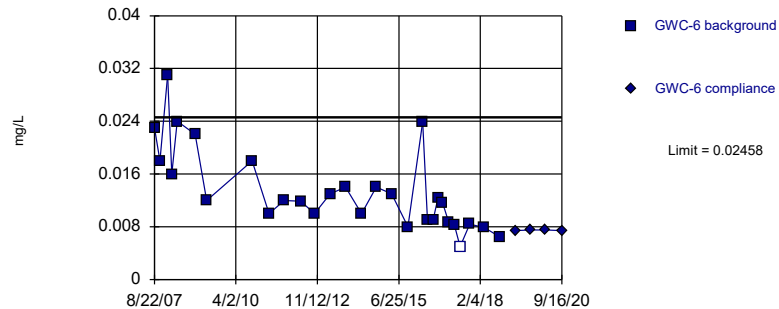


Background Data Summary: Mean=0.01764, Std. Dev.=0.003992, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9058, critical = 0.902. Kappa = 1.701 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

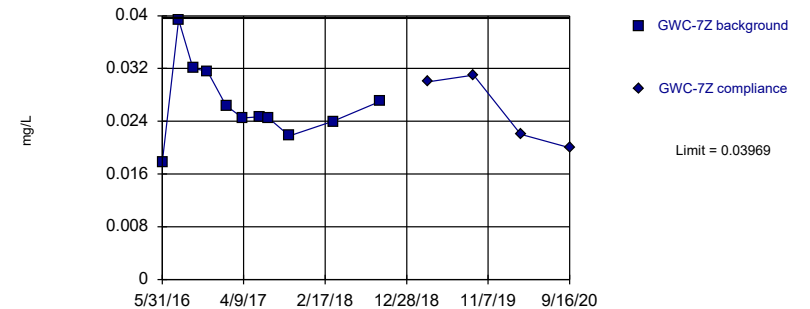


Background Data Summary (based on square root transformation): Mean=0.1134, Std. Dev.=0.02526, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.898. Kappa = 1.718 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

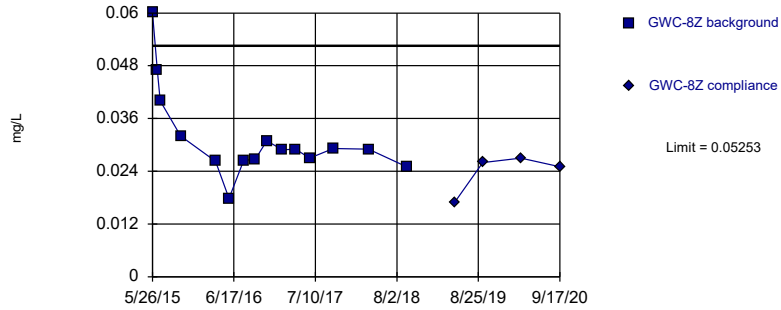


Background Data Summary: Mean=0.0267, Std. Dev.=0.005812, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9261, critical = 0.792. Kappa = 2.236 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

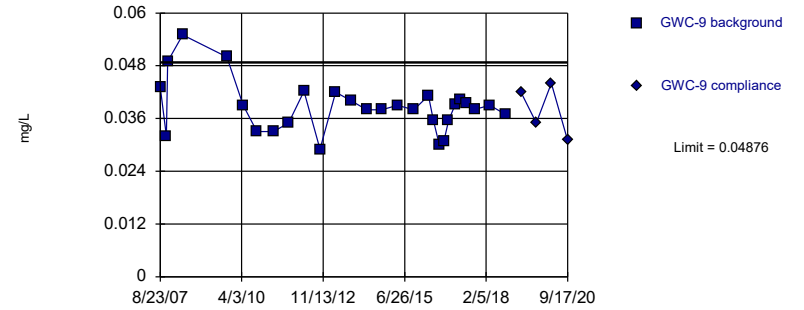


Background Data Summary (based on square root transformation): Mean=0.1761, Std. Dev.=0.02662, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8449, critical = 0.835. Kappa = 1.993 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

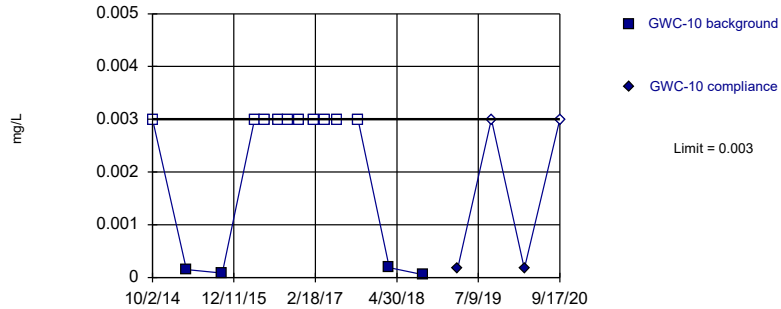


Background Data Summary: Mean=0.03862, Std. Dev.=0.005872, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9314, critical = 0.896. Kappa = 1.728 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

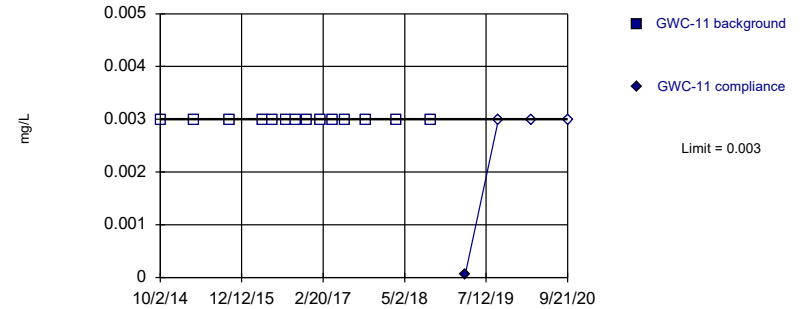


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

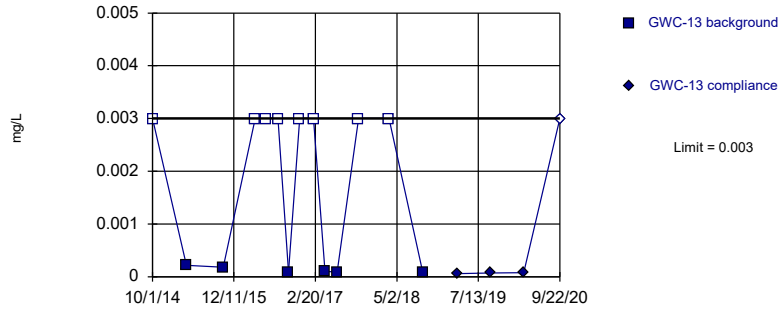


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

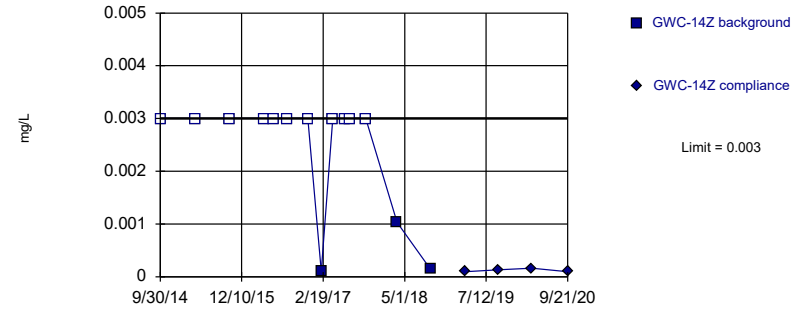


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

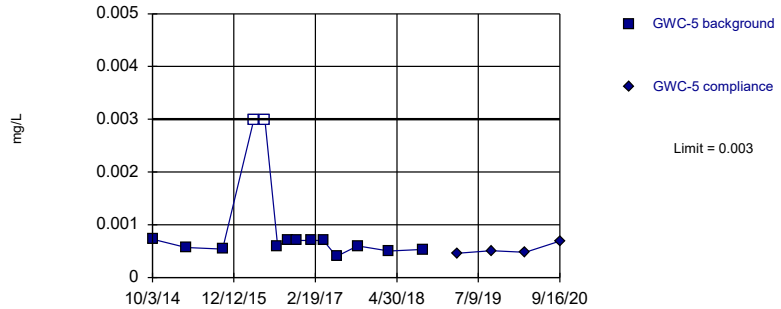


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

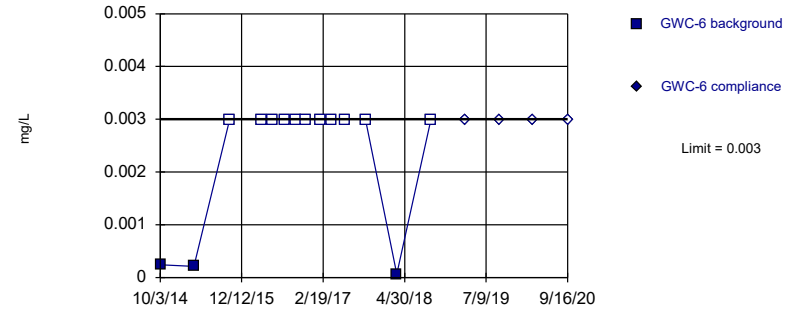


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 14.29% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

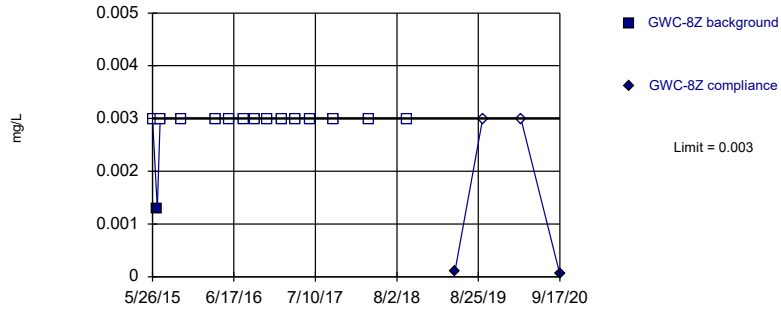


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

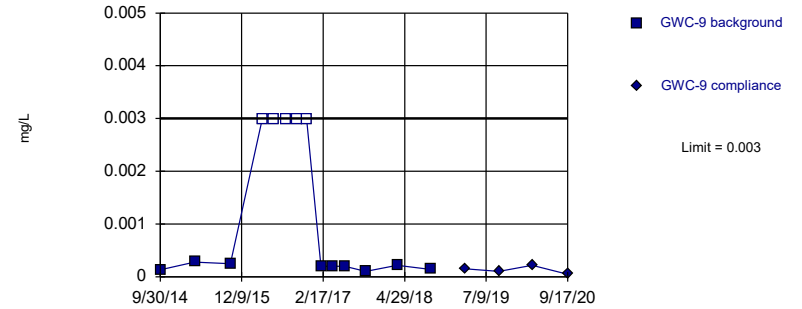


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Beryllium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

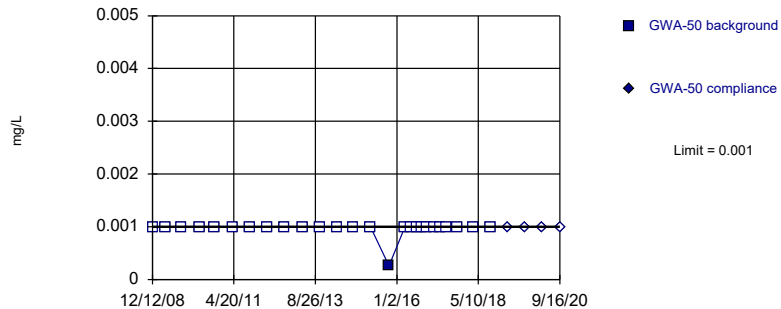


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 35.71% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Beryllium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

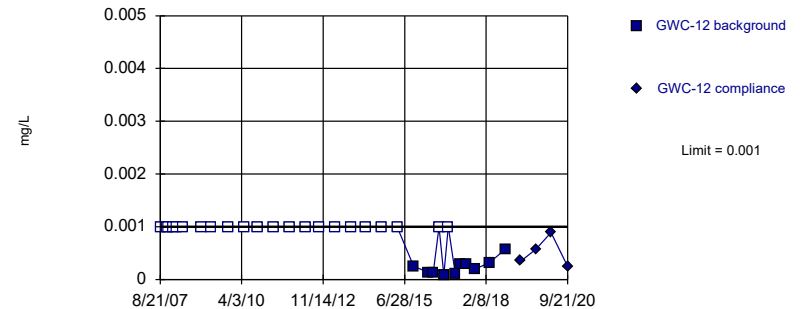


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Cadmium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

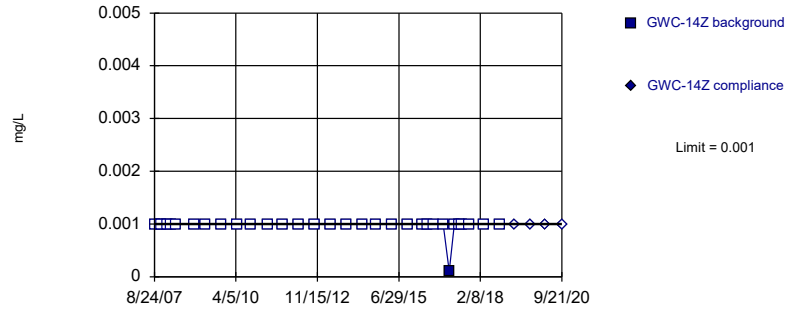


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

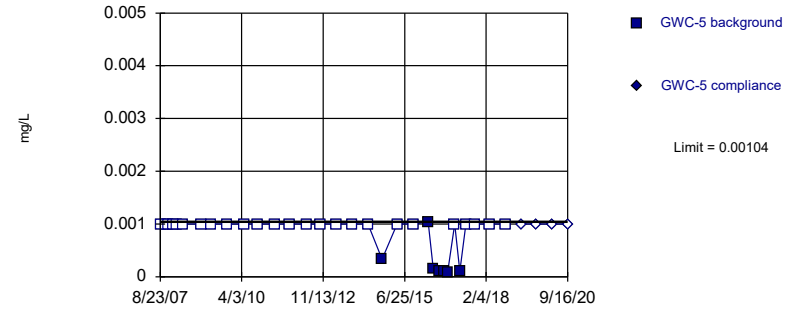


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

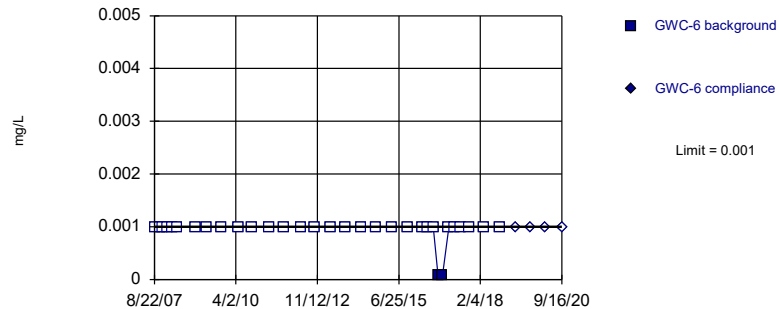


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

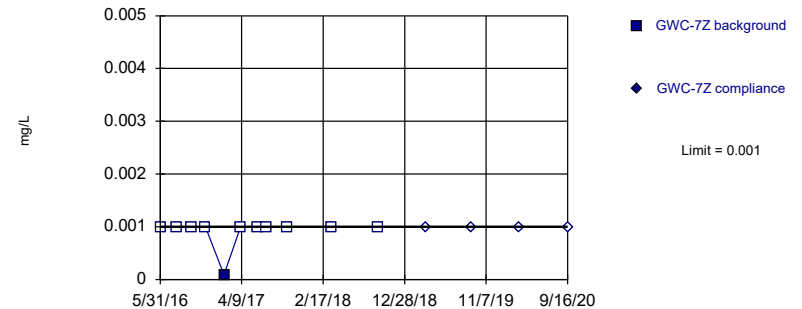


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cadmium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

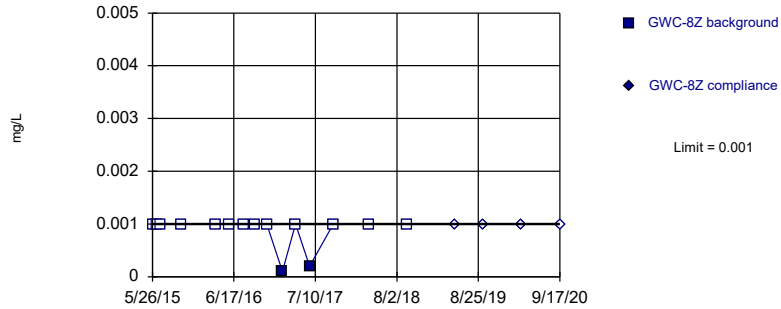


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

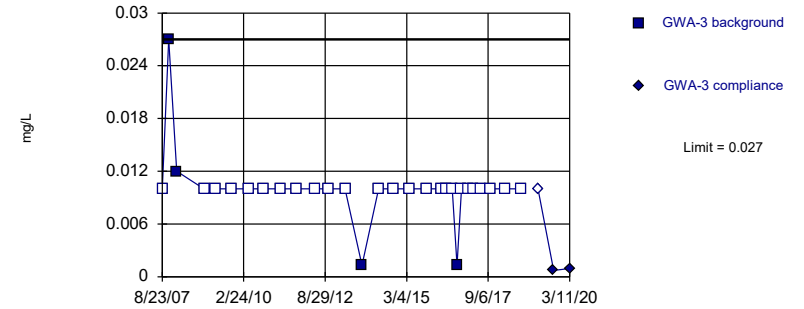


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cadmium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

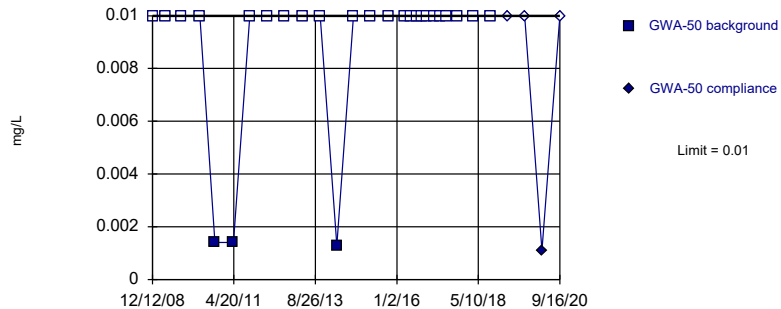


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.0004147. Individual comparison alpha = 0.0002074 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

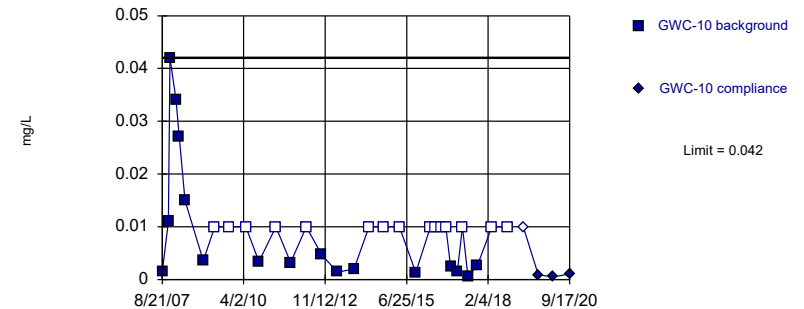


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

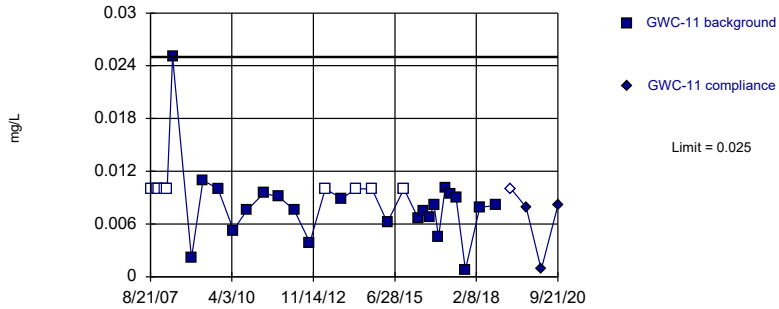


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 46.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

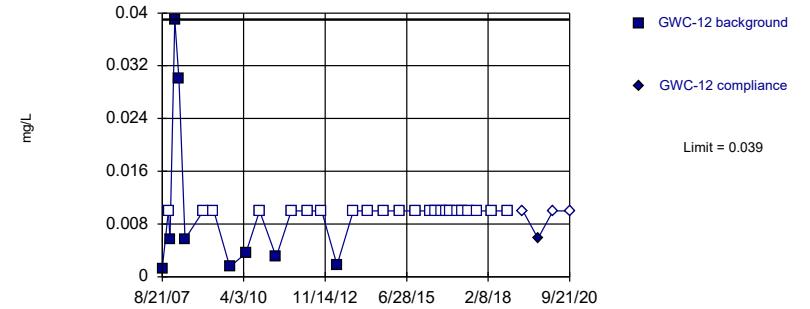


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 28.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

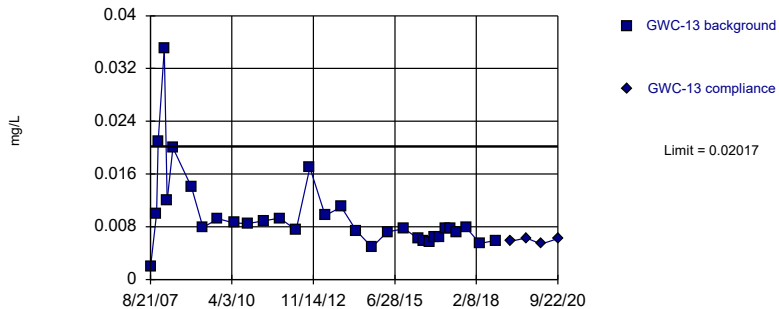


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

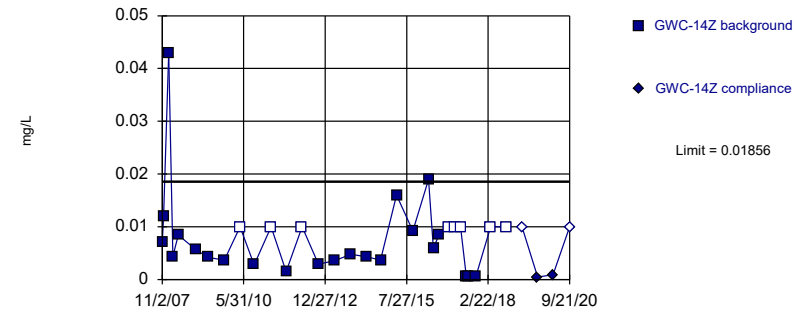


Background Data Summary (based on natural log transformation): Mean=4.769, Std. Dev.=0.511, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9189, critical = 0.904. Kappa = 1.694 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

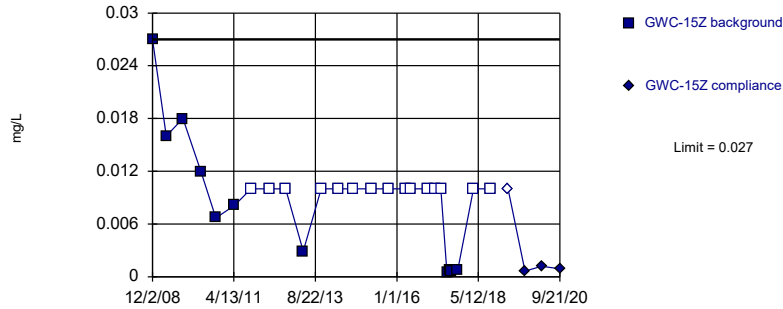


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07182, Std. Dev.=0.03787, n=31, 25.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9098, critical = 0.902. Kappa = 1.701 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

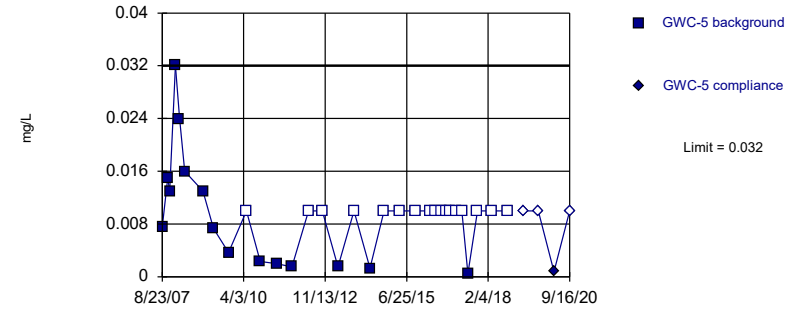


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

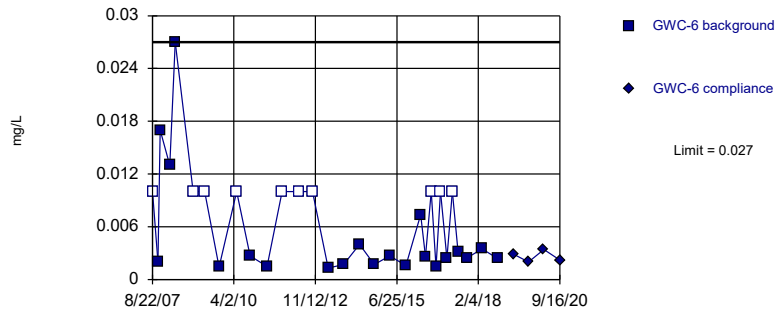


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

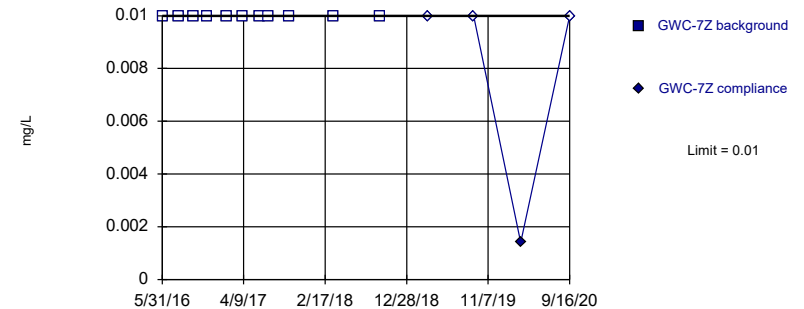


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

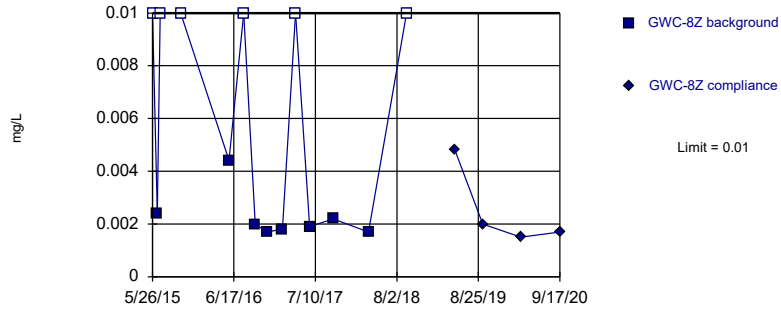


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

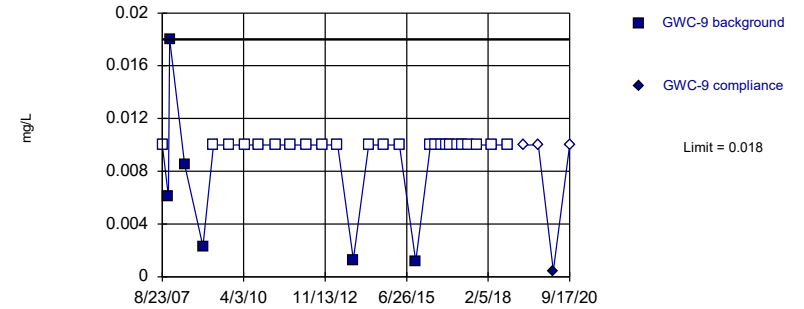


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

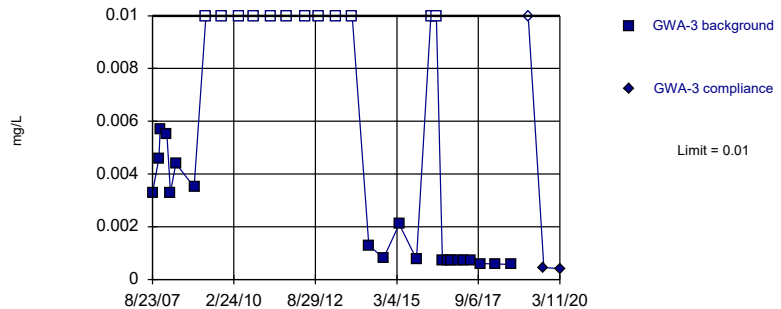


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 80% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Chromium Analysis Run 11/3/2020 3:56 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

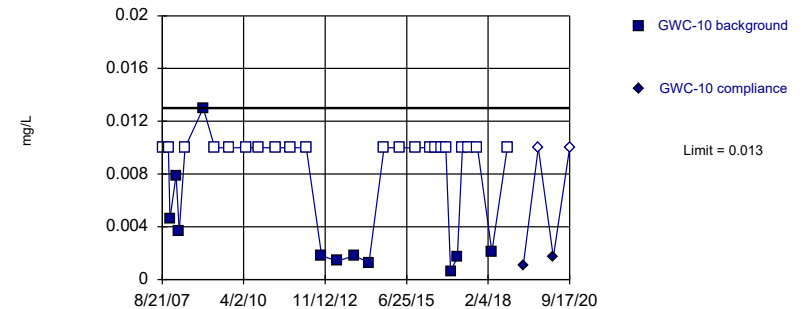


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

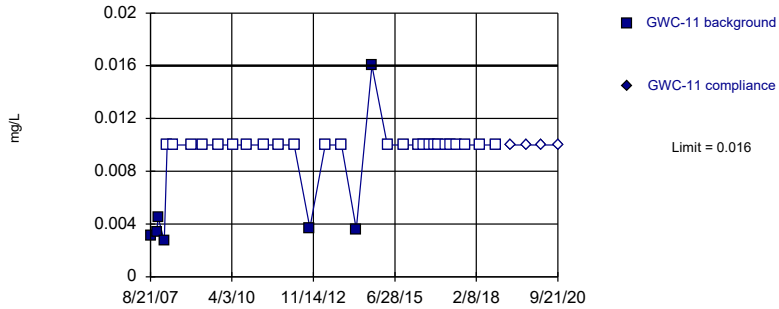


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 65.63% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

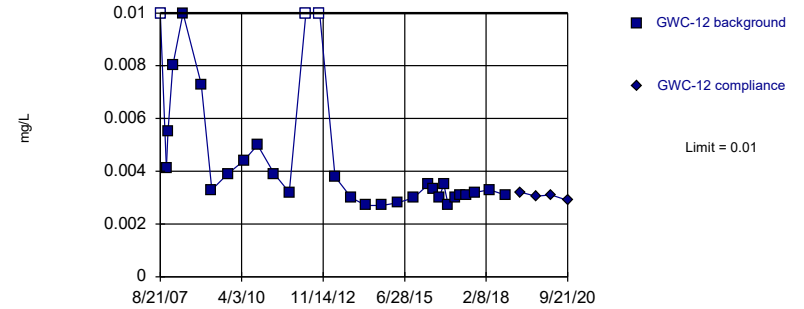


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

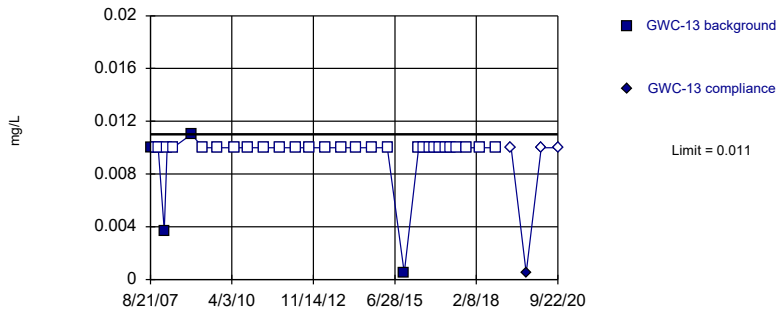


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 9.677% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

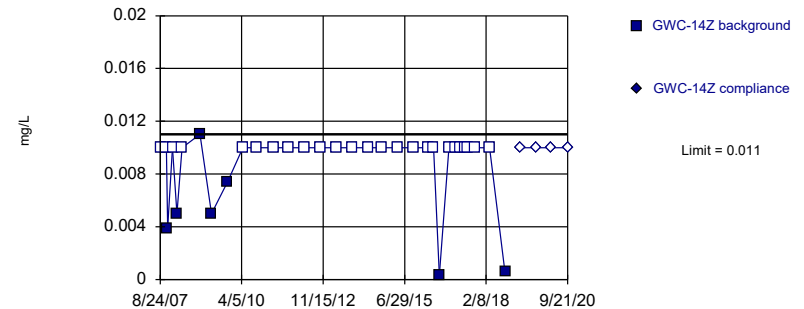


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

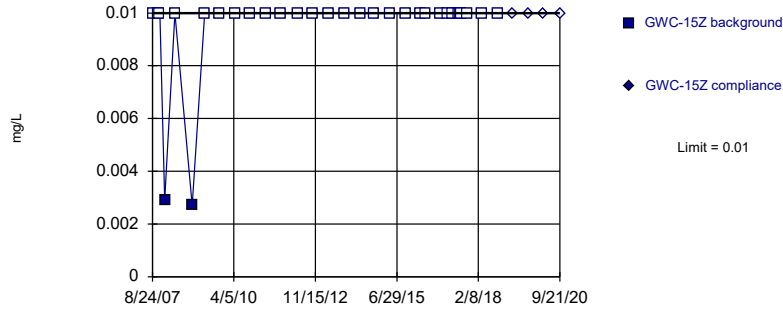


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

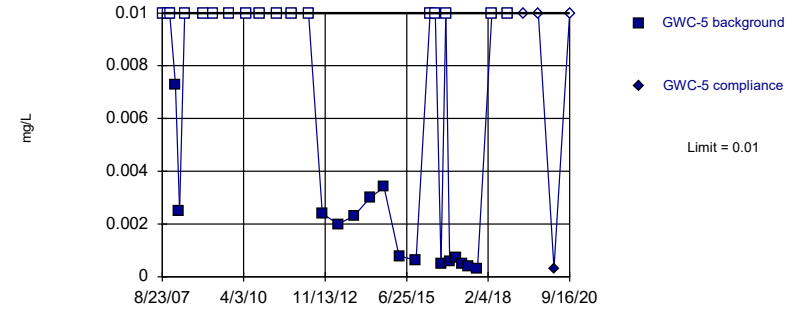


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

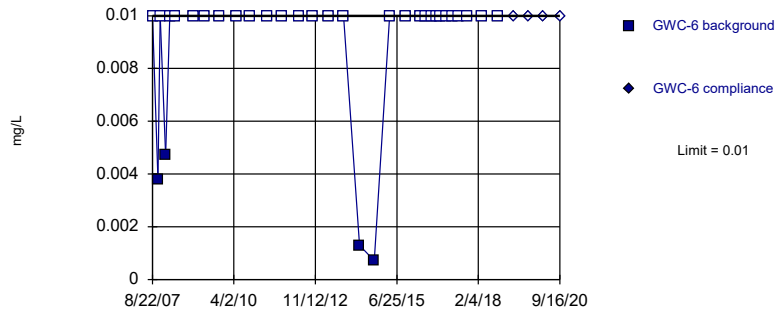


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

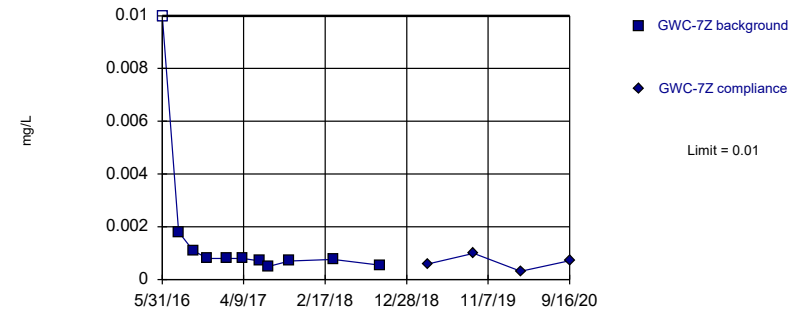


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

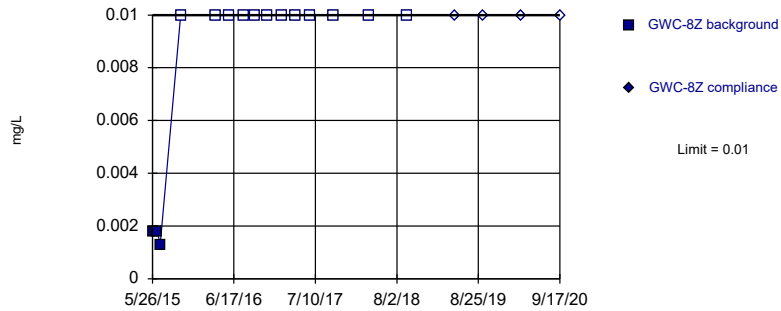


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

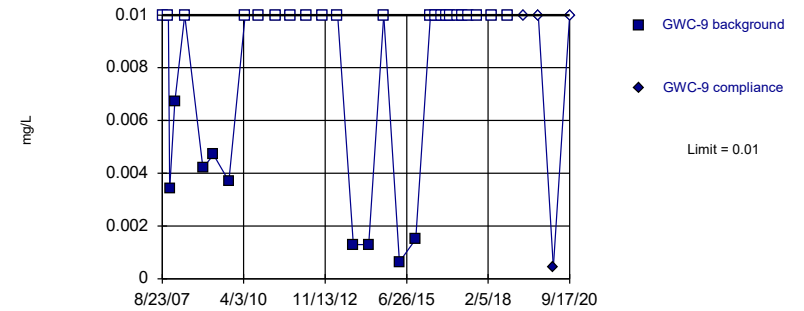


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

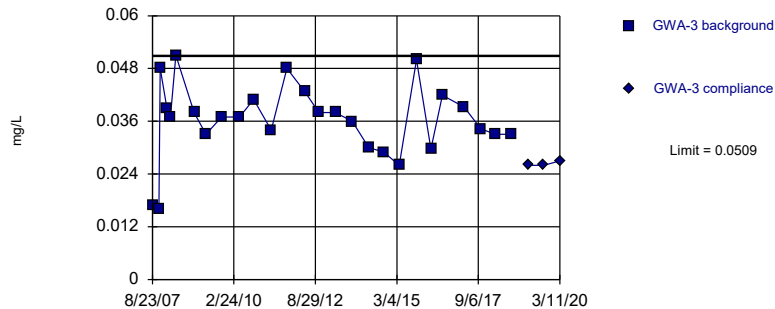


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 70.97% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Cobalt Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

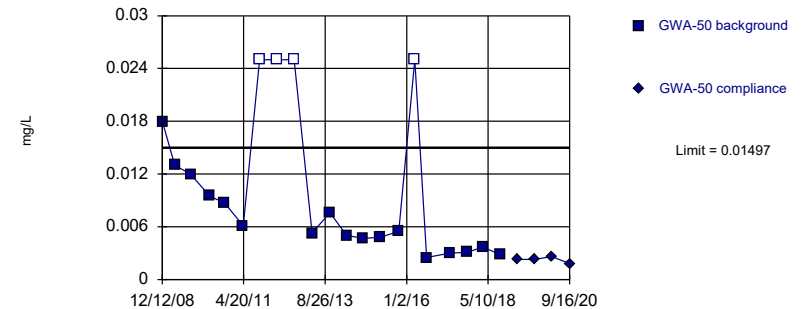


Background Data Summary: Mean=0.03618, Std. Dev.=0.008473, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

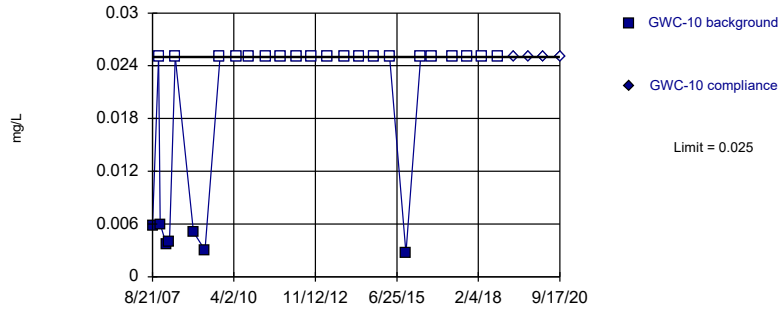


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1825, Std. Dev.=0.03515, n=21, 19.05% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.883, critical = 0.873. Kappa = 1.82 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

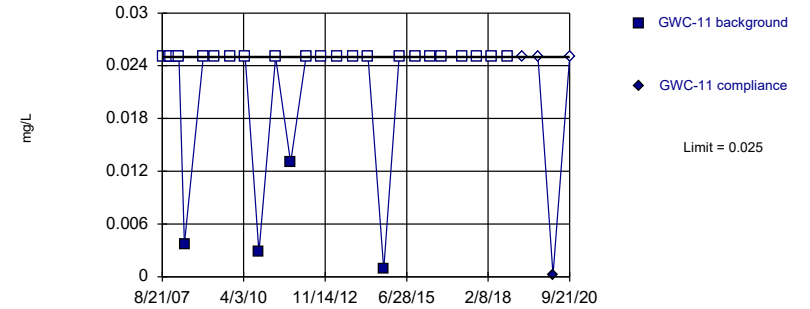


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

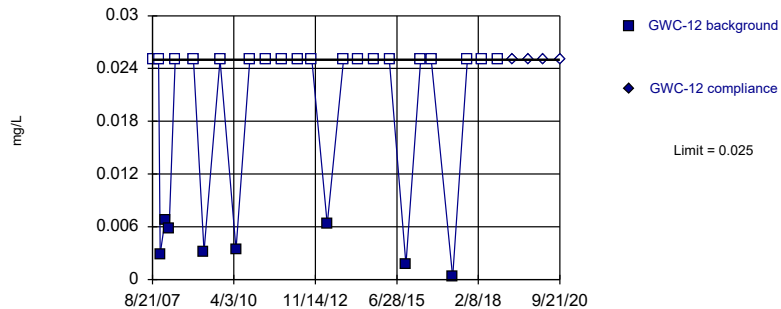


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

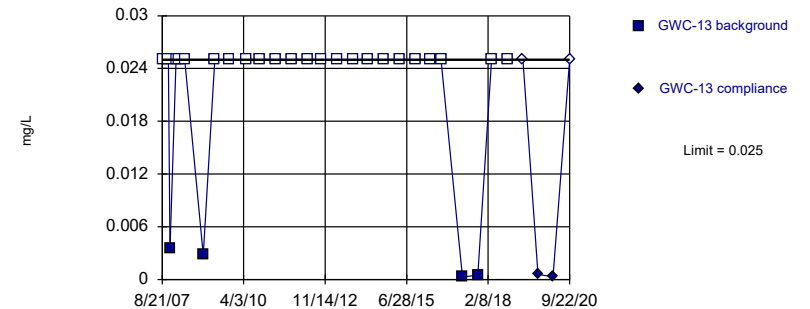


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

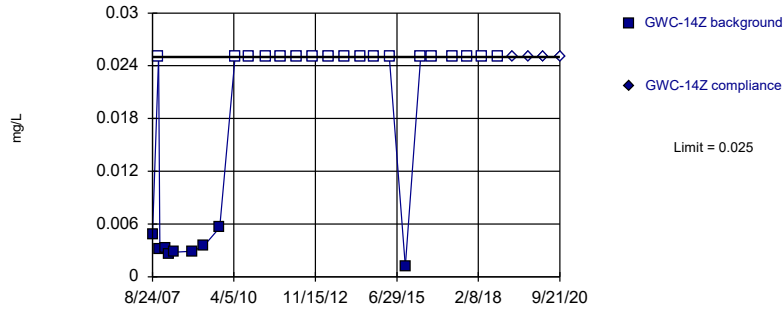


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

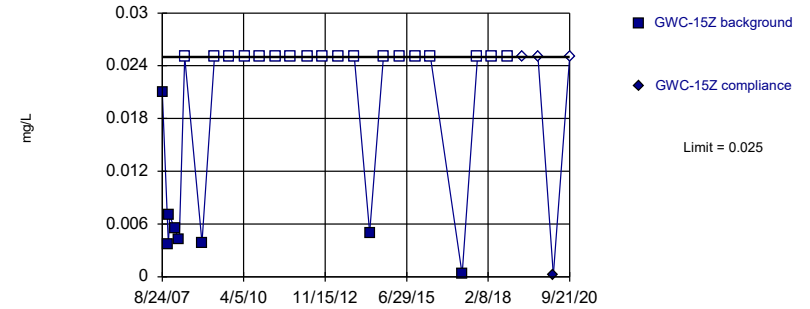


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

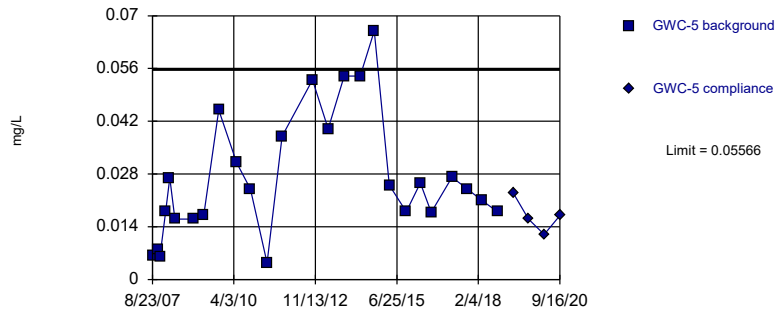


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

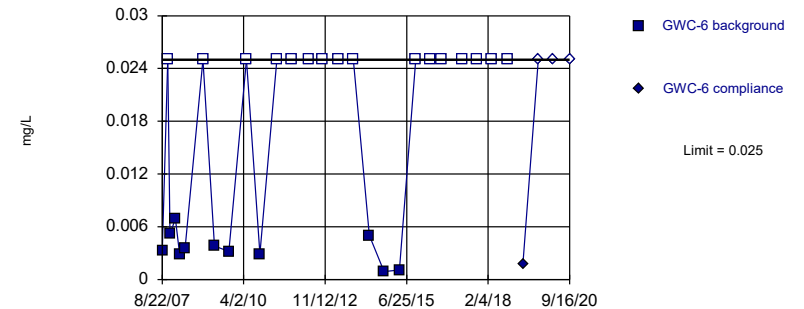


Background Data Summary: Mean=0.02693, Std. Dev.=0.01643, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.891. Kappa = 1.748 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

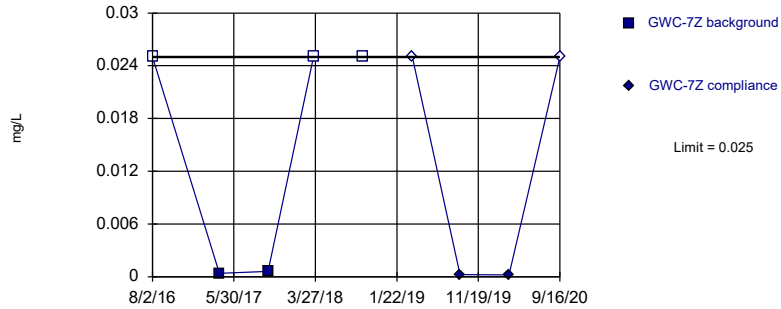


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

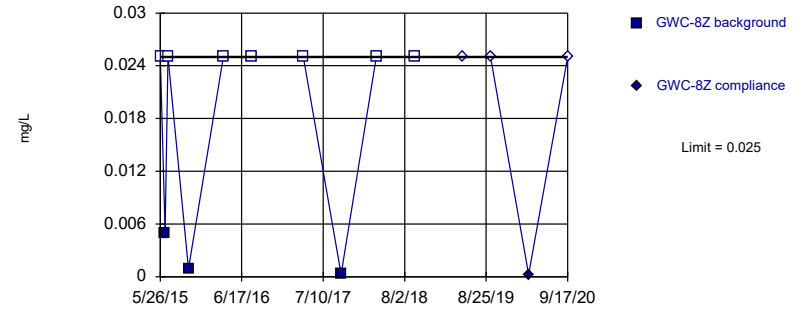


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

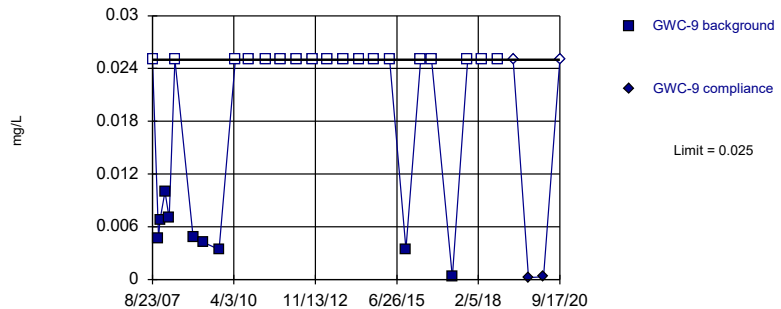


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

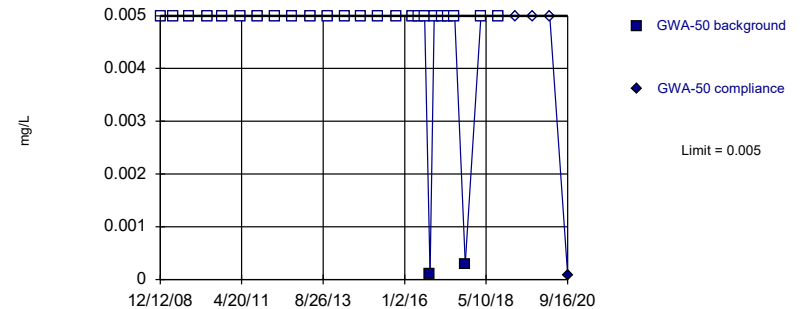


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Copper Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

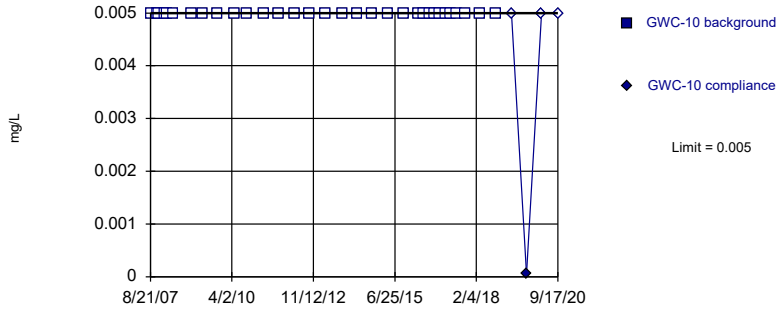


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

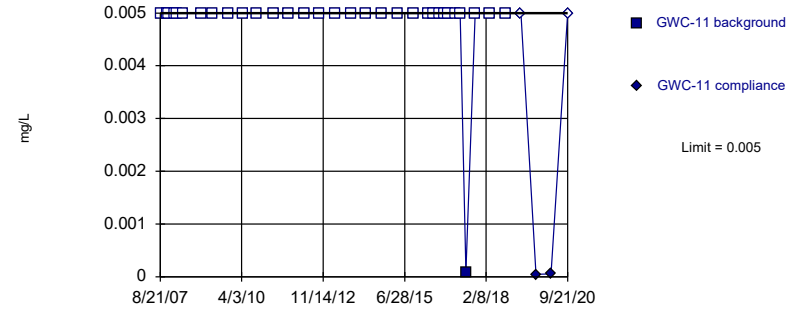


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

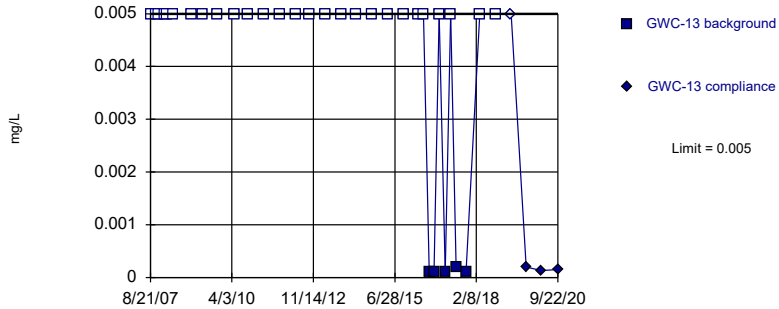


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

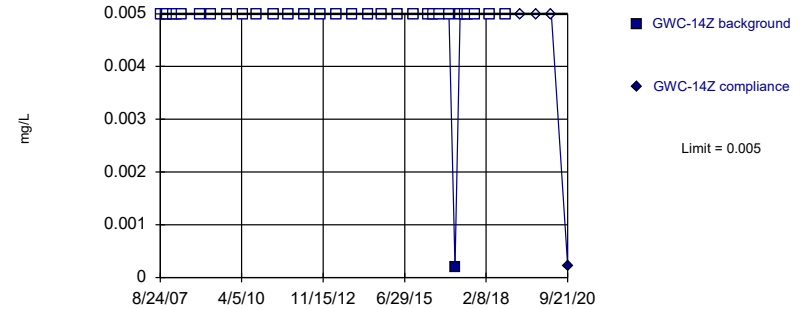


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

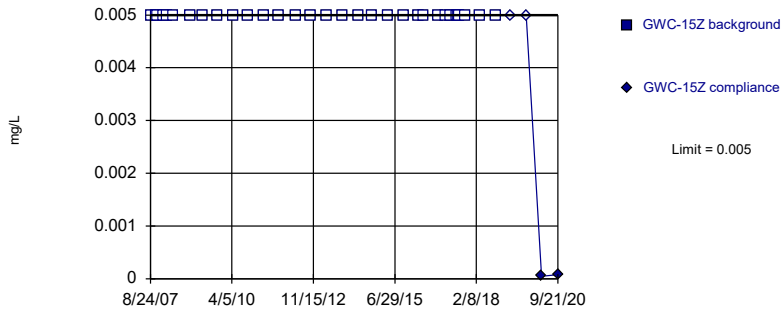


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

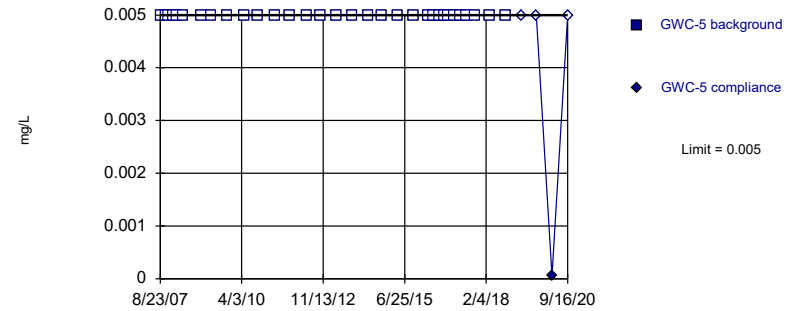


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

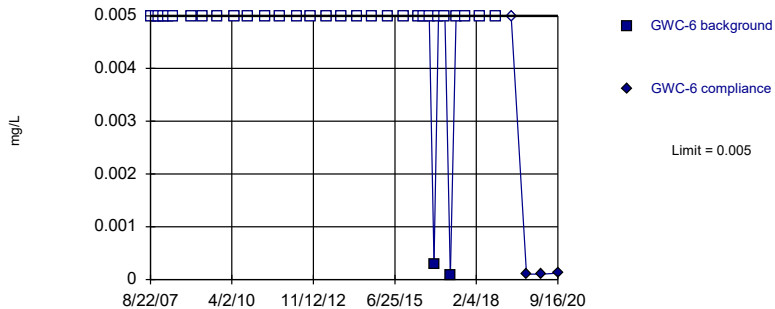


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

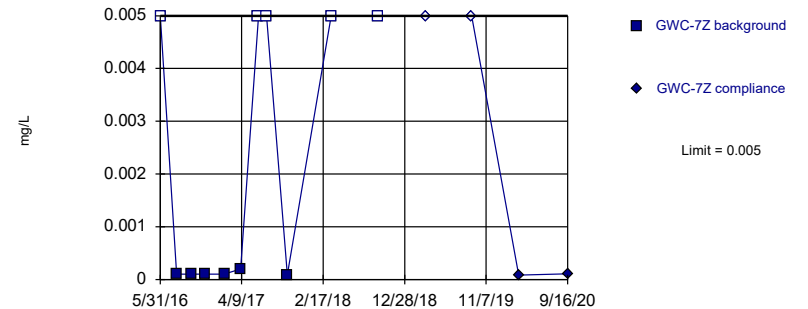


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

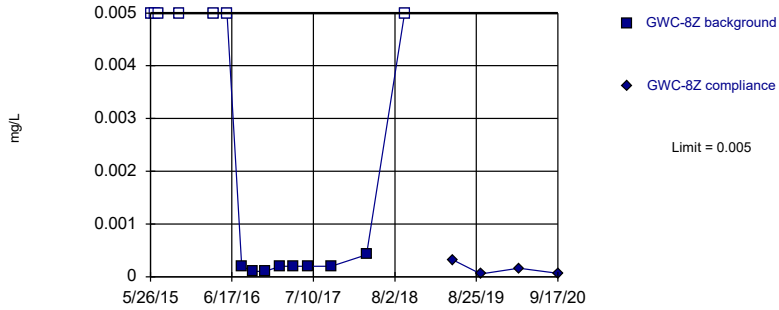


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

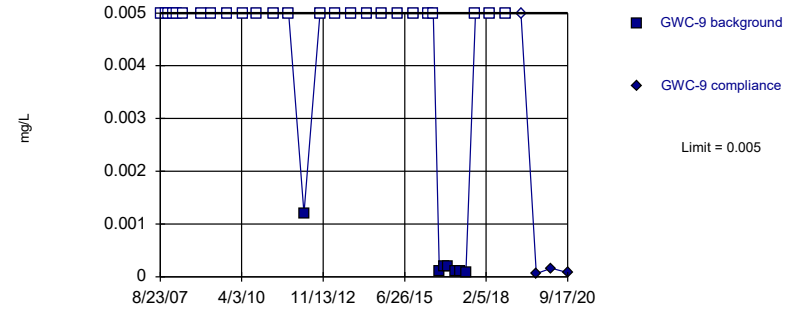


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

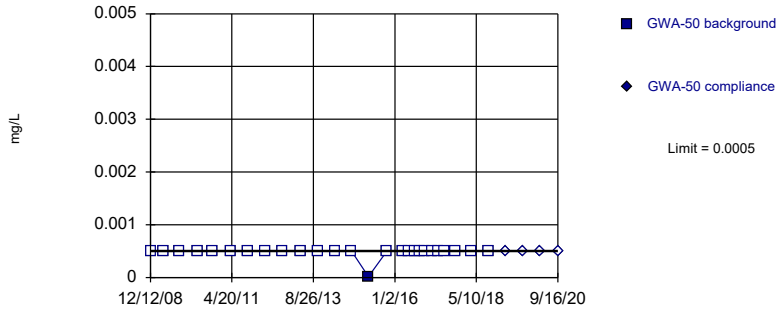


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Lead Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

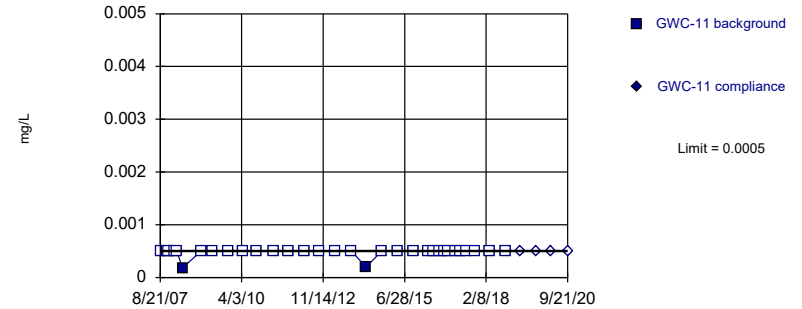


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Mercury Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

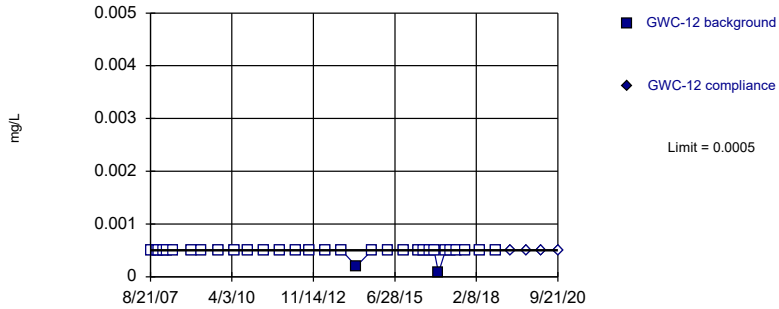


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

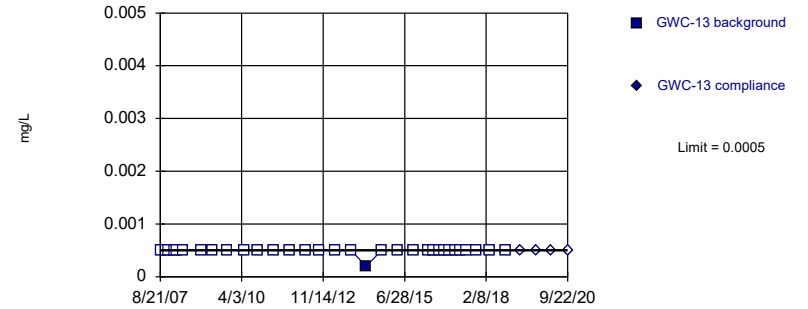


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

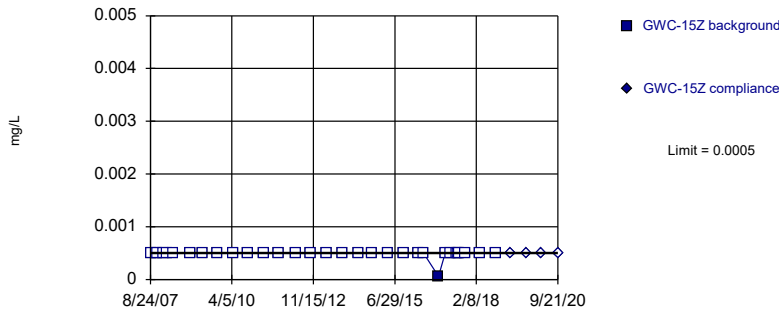


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

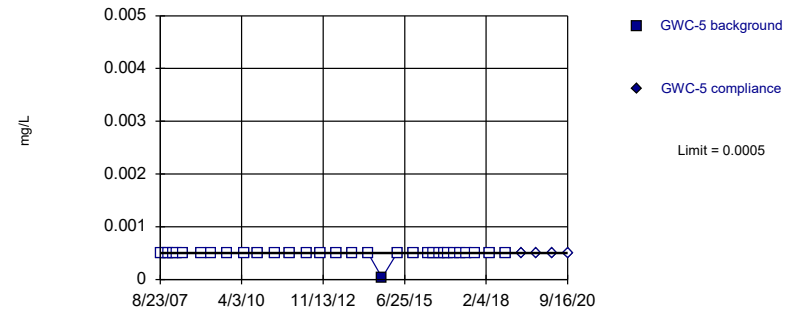


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

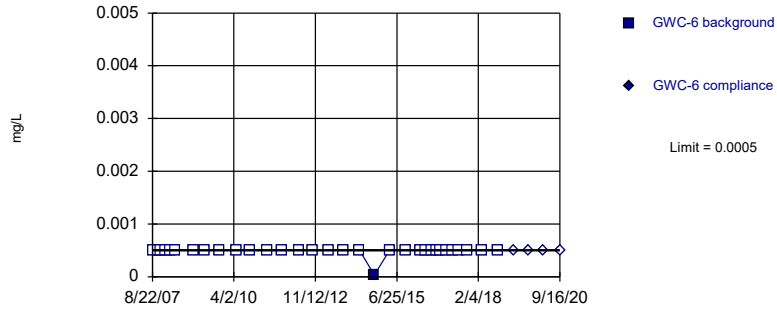


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

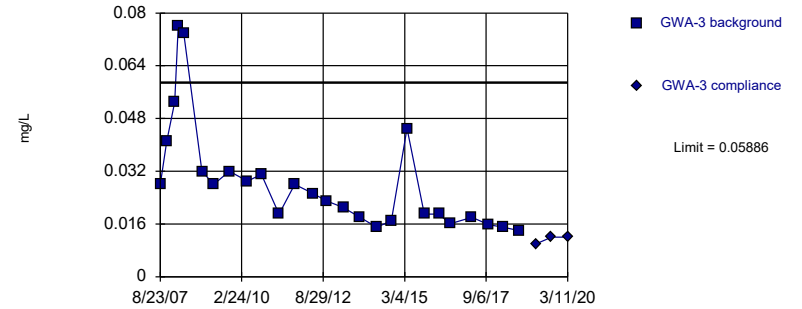


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Mercury Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

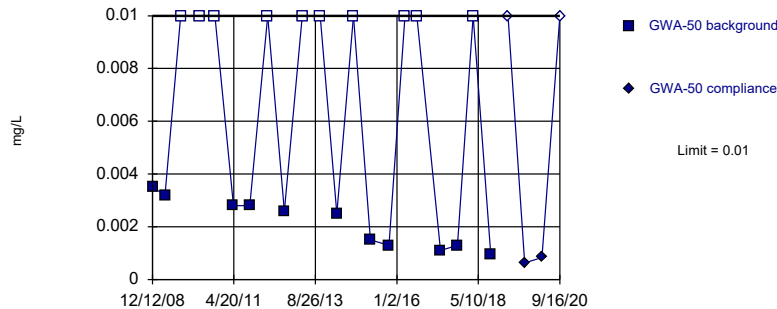


Background Data Summary (based on natural log transformation): Mean=-3.665, Std. Dev.=0.4764, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.91, critical = 0.891. Kappa = 1.748 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

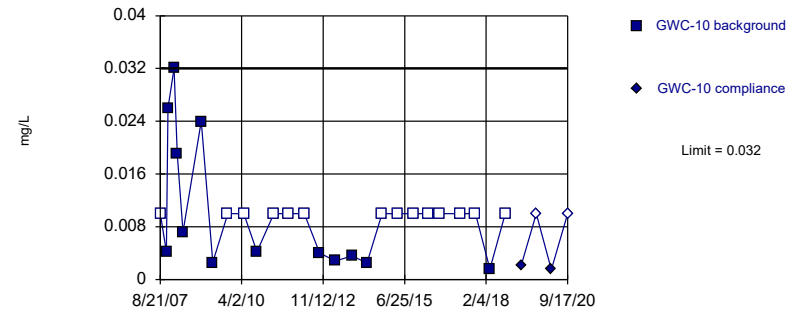


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

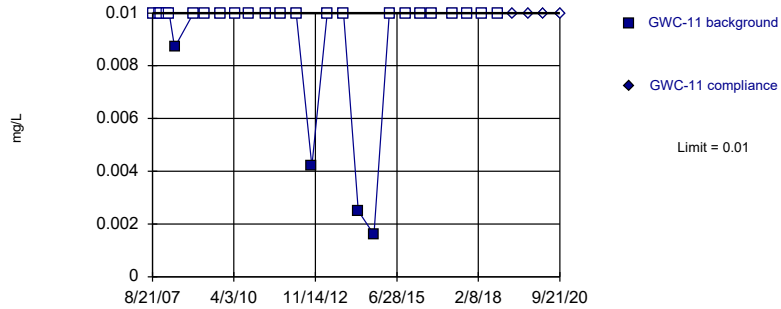


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 51.85% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

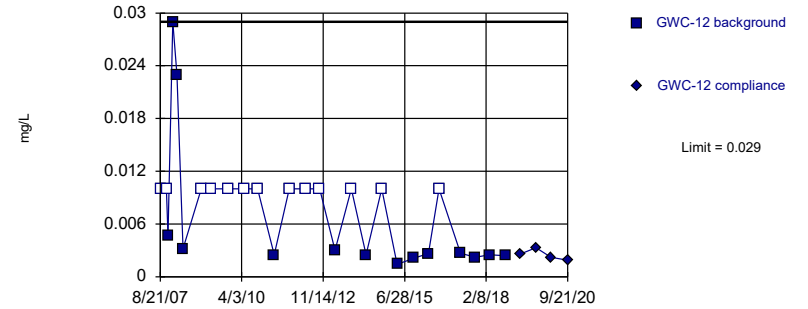


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

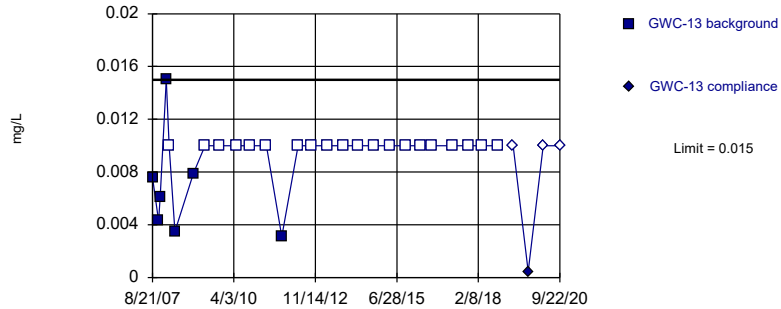


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

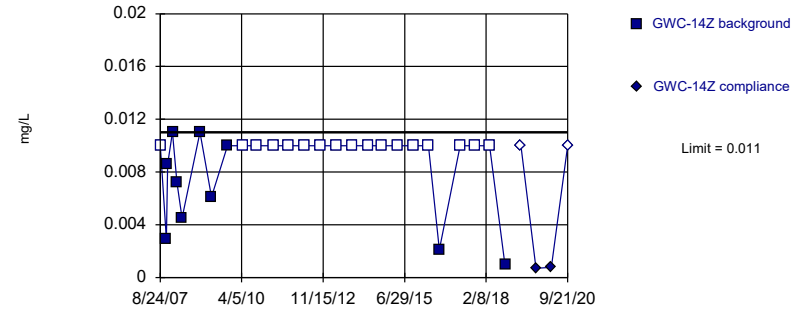


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

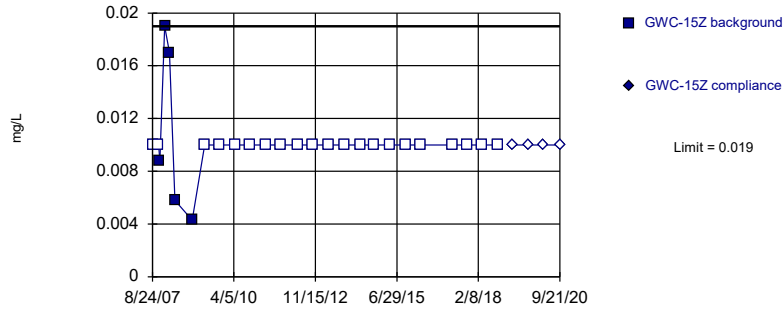


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 62.96% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

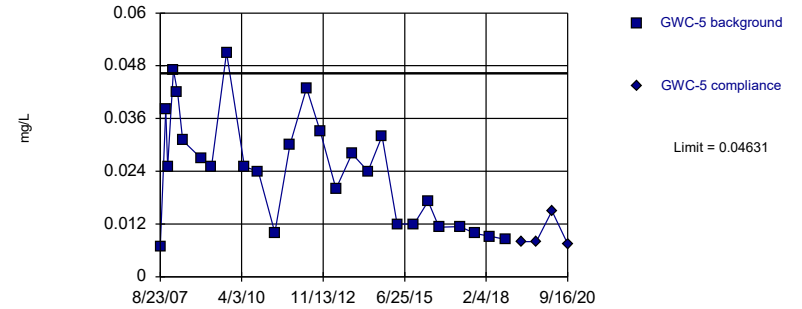


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

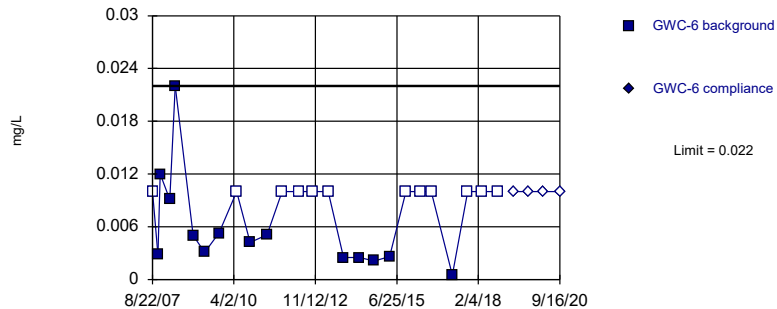


Background Data Summary: Mean=0.02419, Std. Dev.=0.01273, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

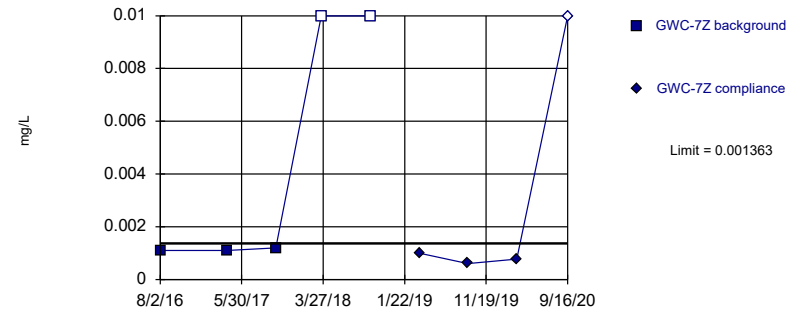


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

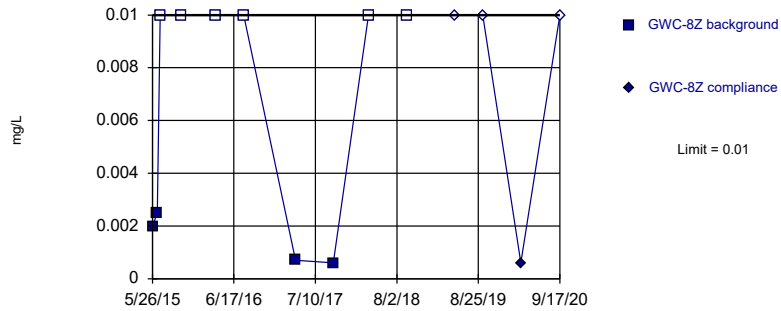


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001133, Std. Dev.=0.00004714, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.689, critical = 0.686. Kappa = 4.875 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

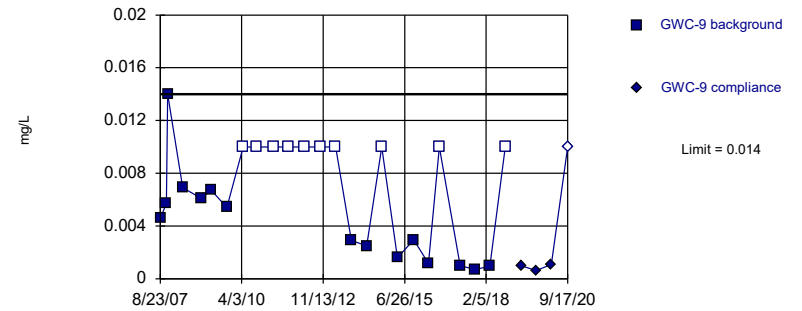


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

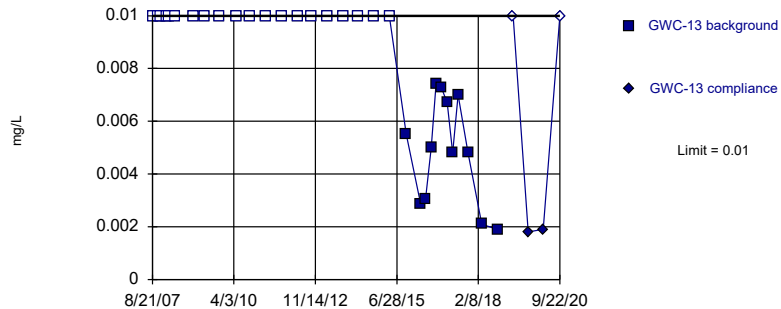


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 40% NDs. Well-constituent pair annual alpha = 0.0006091. Individual comparison alpha = 0.0003046 (1 of 3).

Constituent: Nickel Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

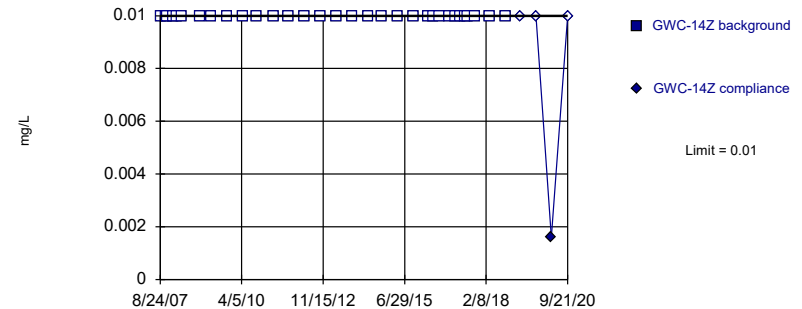


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

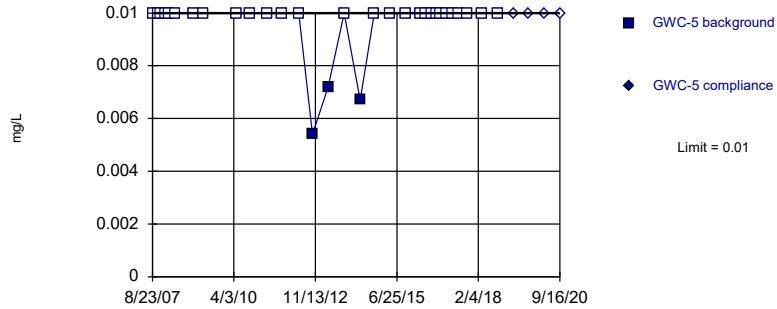


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

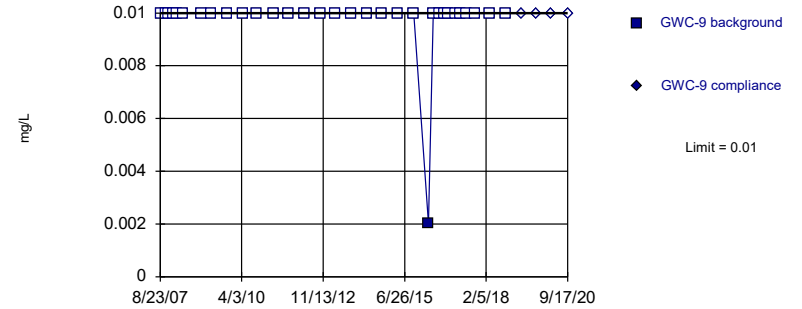


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Selenium Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

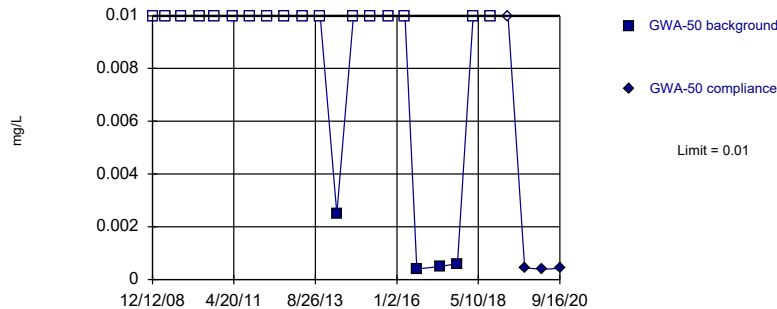


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.0003144. Individual comparison alpha = 0.0001572 (1 of 3).

Constituent: Selenium Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

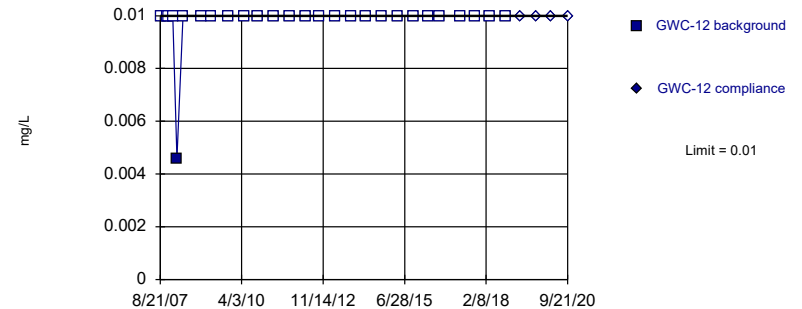


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Constituent: Silver Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

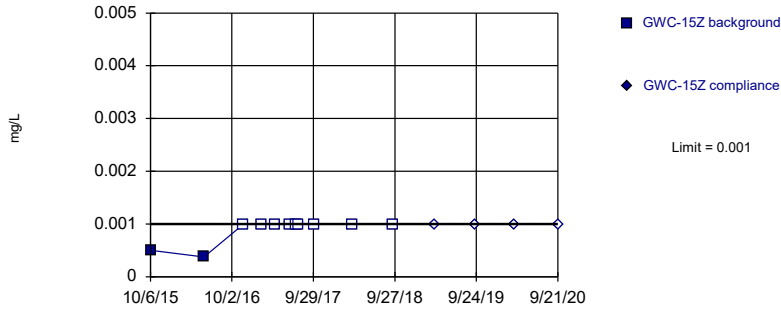


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Silver Analysis Run 11/3/2020 3:57 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

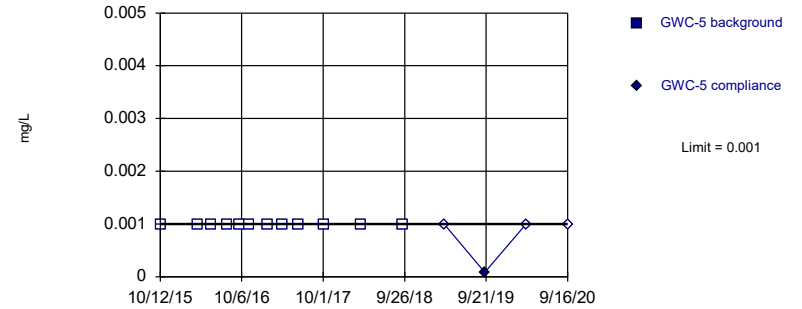


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

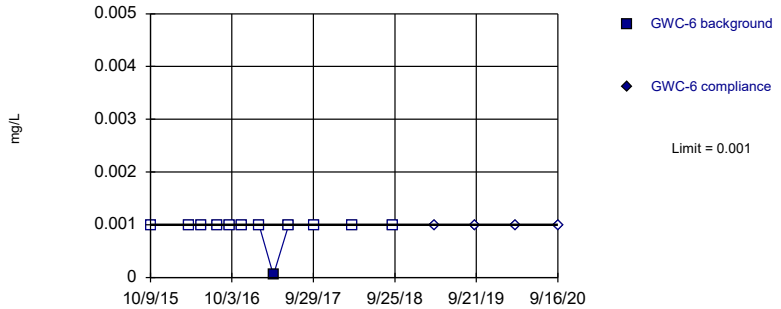


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

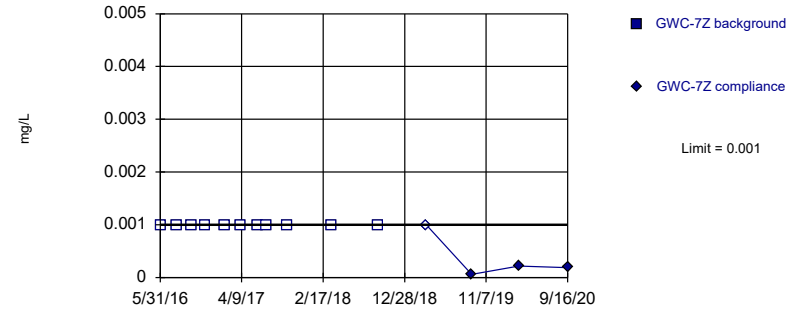


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

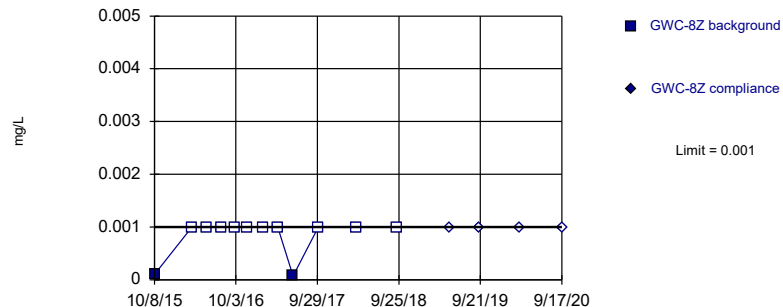


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

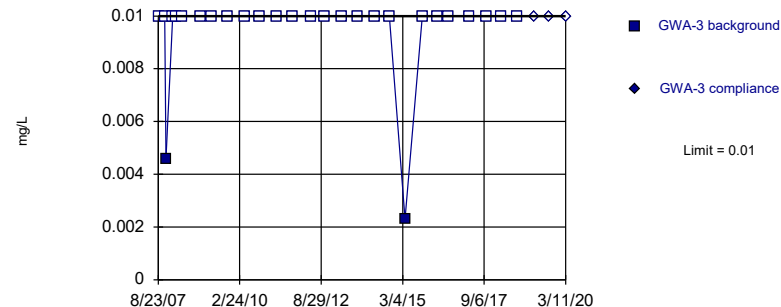


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Constituent: Thallium Analysis Run 11/3/2020 3:58 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

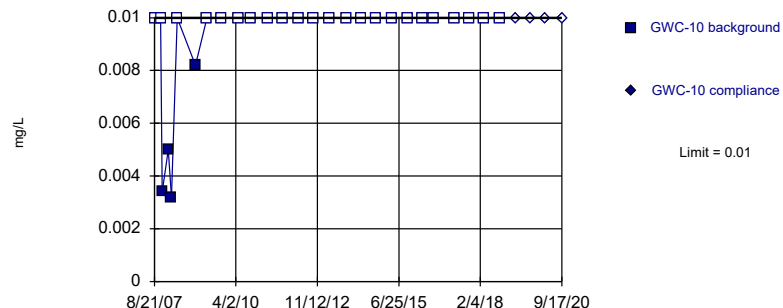


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

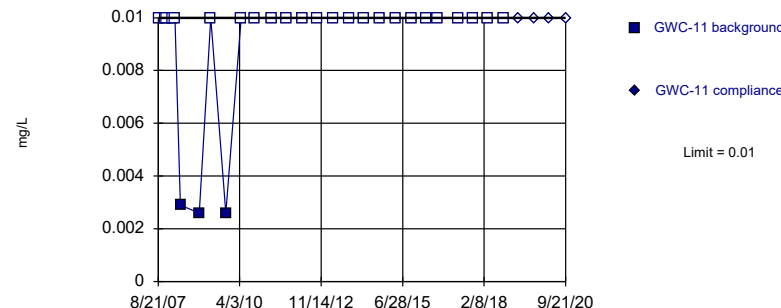


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

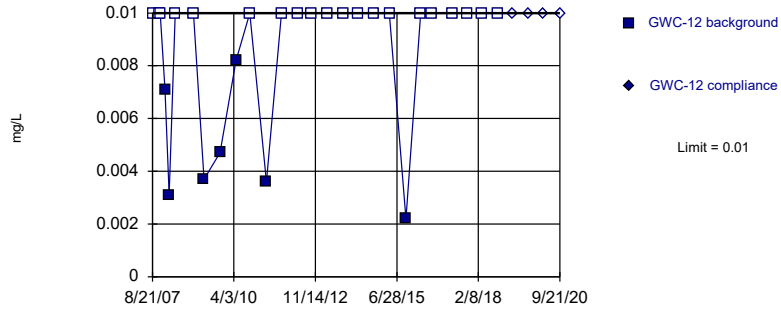


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

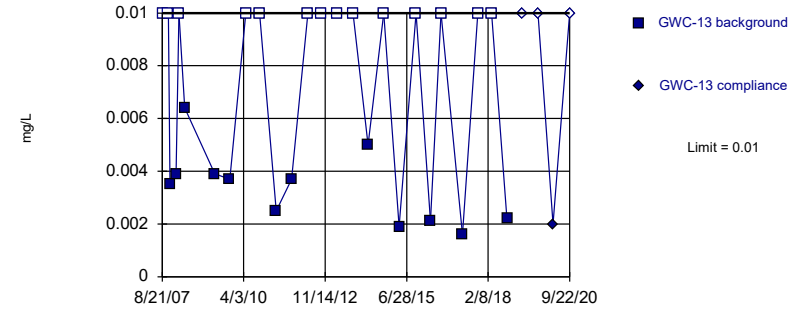


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

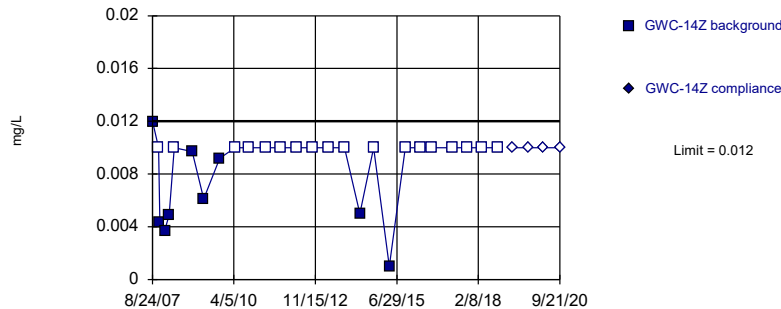


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 53.85% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

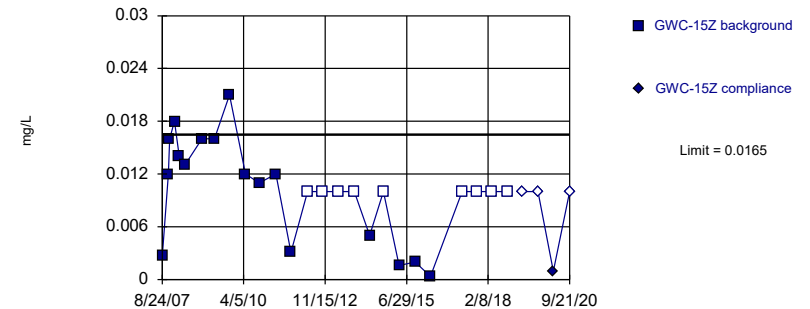


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

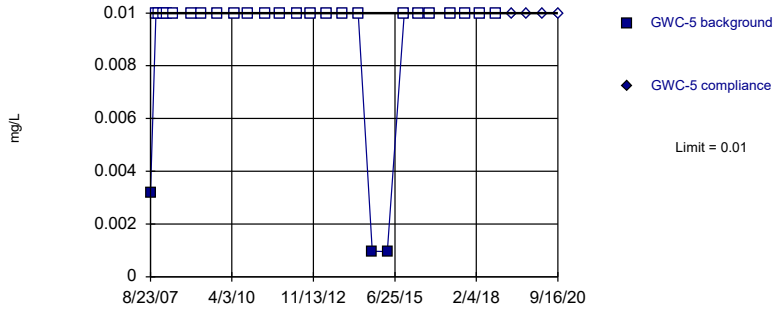


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.006028, Std. Dev.=0.005988, n=26, 34.62% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9325, critical = 0.891. Kappa = 1.748 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

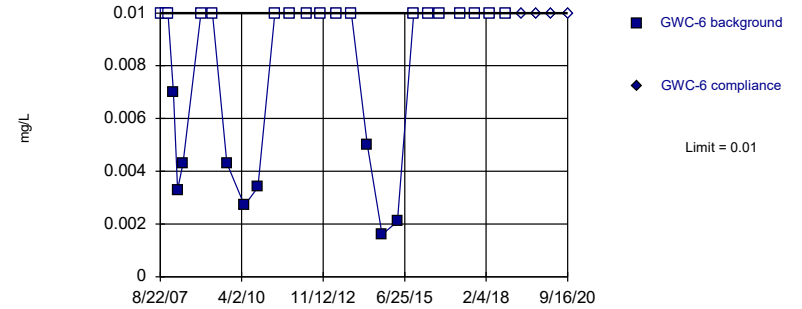


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

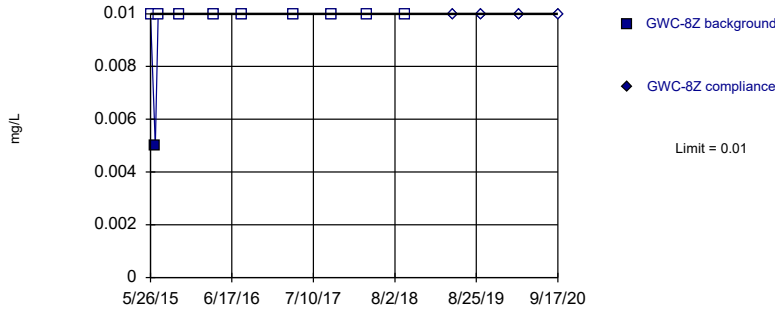


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

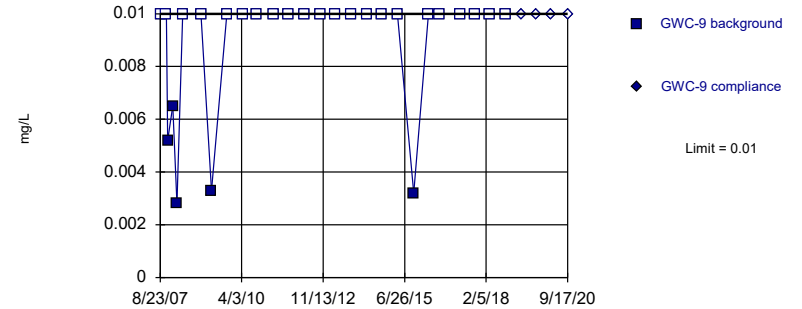


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

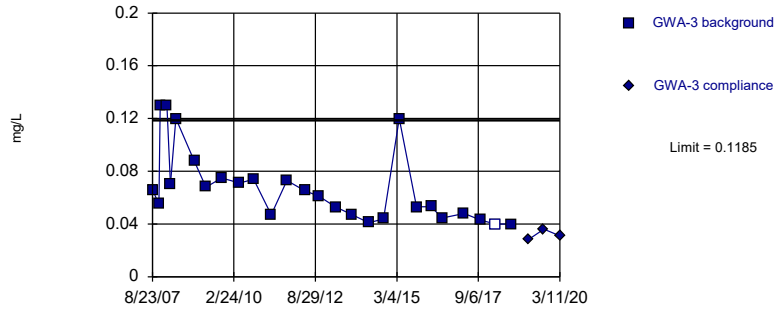


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Vanadium Analysis Run 11/3/2020 3:58 PM View: Overburden
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

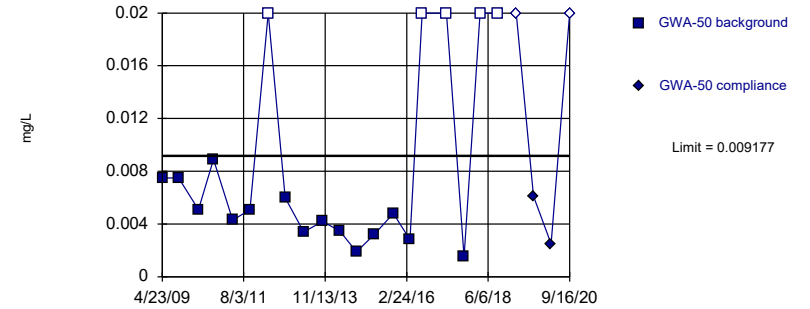


Background Data Summary (based on natural log transformation): Mean=-2.766, Std. Dev.=0.3644, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.902, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

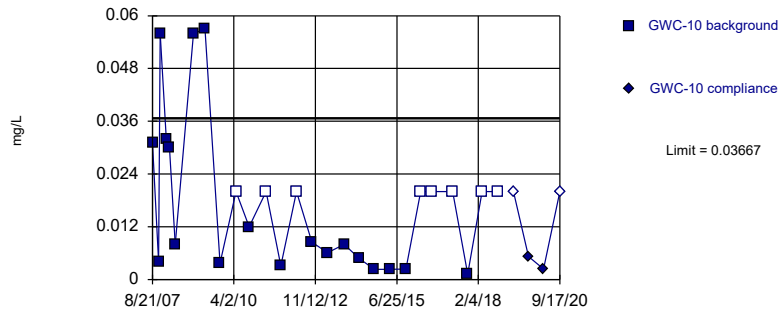


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.563, Std. Dev.=0.4751, n=20, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9127, critical = 0.868. Kappa = 1.836 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

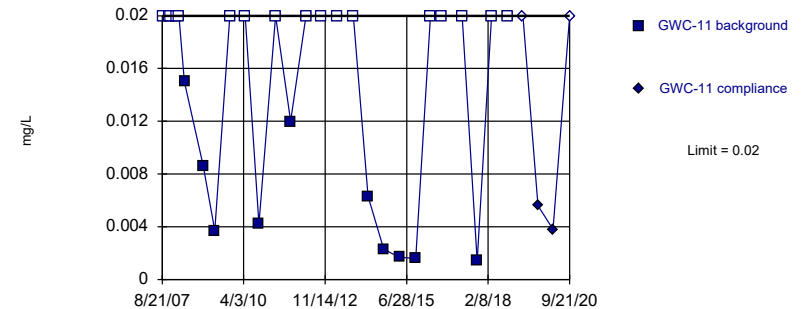


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.09035, Std. Dev.=0.0582, n=27, 29.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

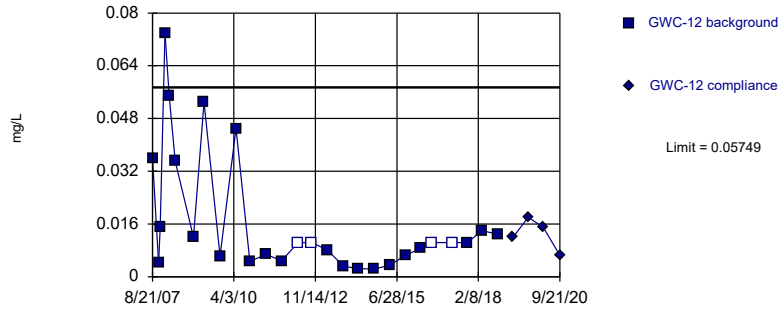


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 62.96% NDs. Well-constituent pair annual alpha = 0.0005119. Individual comparison alpha = 0.000256 (1 of 3).

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

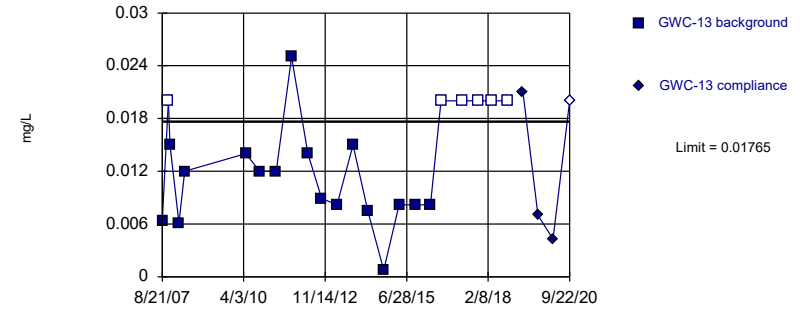


Background Data Summary (based on natural log transformation): Mean=-4.541, Std. Dev.=0.9693, n=27, 14.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9405, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

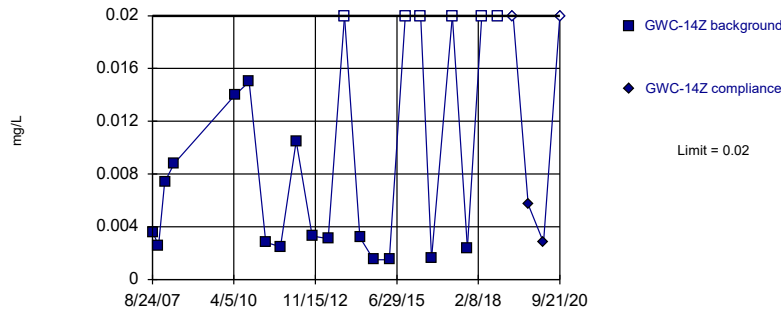


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.008589, Std. Dev.=0.005062, n=23, 26.09% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9429, critical = 0.881. Kappa = 1.789 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

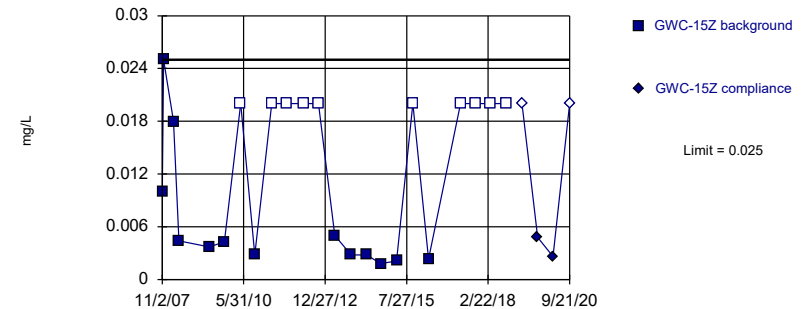


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 27.27% NDs. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

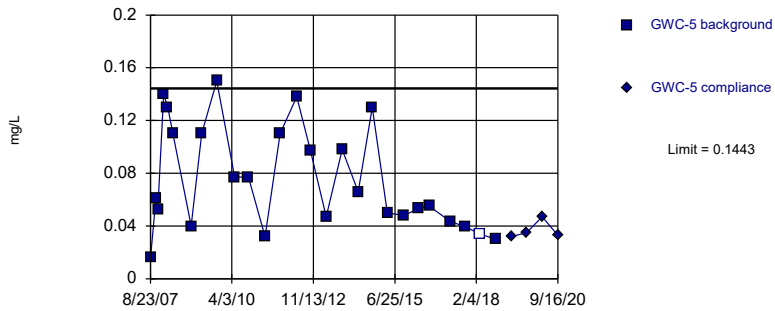
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 43.48% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

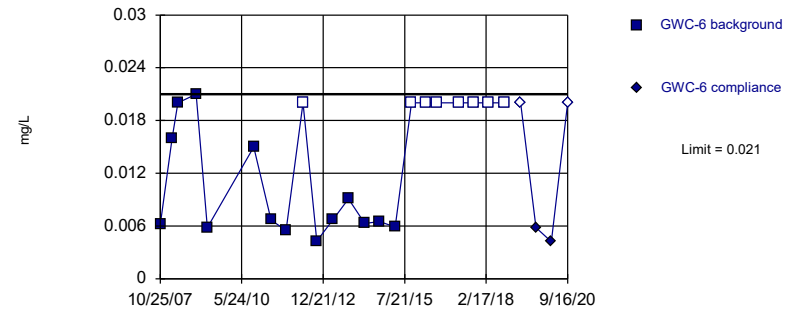
Within Limit
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.07538, Std. Dev.=0.03964, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9153, critical = 0.894. Kappa = 1.738 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

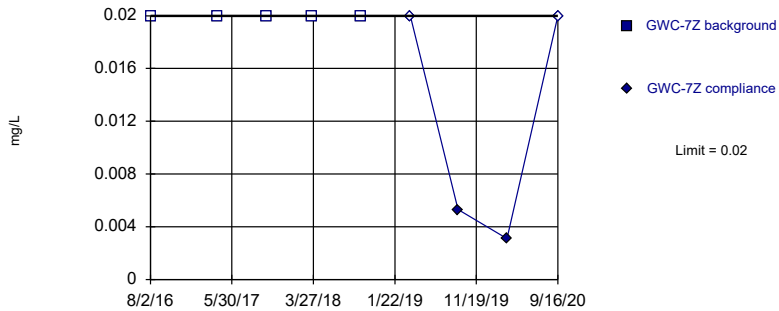
Within Limit
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

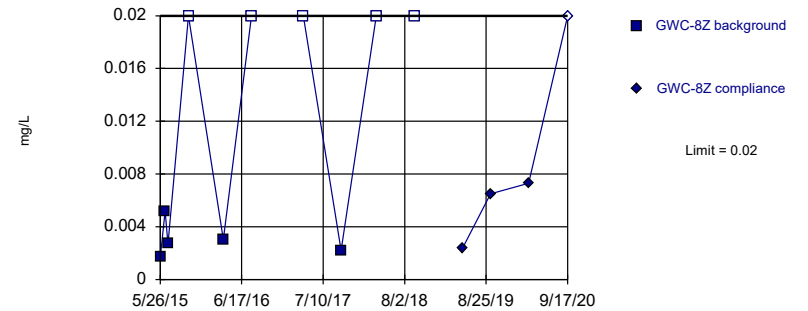
Within Limit
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 5) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit
Prediction Limit
Intrawell Non-parametric

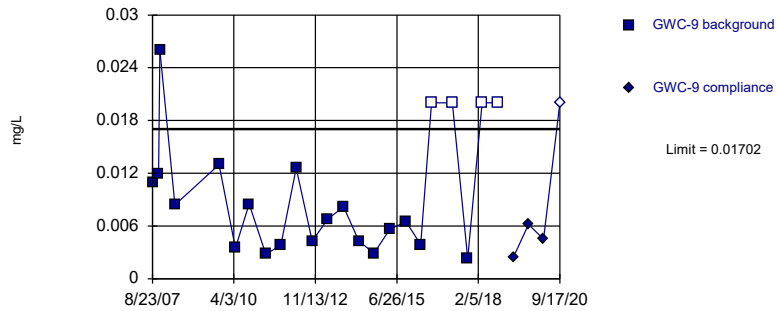


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.08208, Std. Dev.=0.02704, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.922, critical = 0.881. Kappa = 1.789 (c=16, w=11, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/3/2020 3:58 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/8/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/21/2011	<0.003	
10/13/2011	<0.003	
5/1/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/4/2014	0.0031 (J)	
3/31/2015	0.0068	
10/12/2015	<0.003	
3/23/2016	0.0035	
5/23/2016	<0.003	
7/29/2016	0.0029 (J)	
9/22/2016	0.0041	
11/10/2016	0.0048 (J)	
1/31/2017	<0.003	
3/30/2017	0.001 (J)	
6/12/2017	<0.003	
10/4/2017	0.0009 (J)	
3/19/2018	0.0019 (J)	
9/17/2018	0.0011 (J)	
3/20/2019		0.0019 (J)
9/13/2019		0.0013 (J)
3/11/2020		0.0045

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
4/27/2010	<0.003	
9/30/2010	<0.003	
4/14/2011	<0.003	
10/5/2011	<0.003	
4/11/2012	<0.003	
10/2/2012	<0.003	
4/9/2013	<0.003	
10/15/2013	<0.003	
4/10/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	0.00139 (J)	
5/23/2016	0.000677 (J)	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/10/2016	<0.003	
1/30/2017	<0.003	
4/7/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003	
3/19/2019		<0.003
9/13/2019		<0.003
3/11/2020		0.0005 (J)
9/16/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	<0.003	
4/1/2015	<0.003	
10/11/2015	<0.003	
4/4/2016	<0.003	
5/26/2016	0.000722 (J)	
8/3/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		0.00094 (J)
9/17/2019		0.00041 (J)
3/12/2020		0.0013 (J)
9/21/2020		0.00091 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/12/2008	<0.003	
12/13/2008	<0.003	
4/28/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/18/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	<0.003	
10/8/2013	<0.003	
4/1/2014	<0.003	
10/1/2014	<0.003	
4/1/2015	<0.003	
10/15/2015	<0.003	
4/4/2016	<0.003	
5/31/2016	<0.003	
8/4/2016	<0.003	
9/29/2016	<0.003	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/12/2017	<0.003	
6/16/2017	<0.003	
10/9/2017	<0.003	
3/21/2018	<0.003	
9/19/2018	<0.003	
3/23/2019		<0.003
9/18/2019		0.0012 (J)
3/13/2020		0.0023 (J)
9/22/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	0.005	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/16/2009	<0.003	
10/20/2009	<0.003	
4/20/2010	<0.003	
9/29/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	<0.003	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/7/2015	<0.003	
4/5/2016	<0.003	
6/1/2016	0.000895 (J)	
8/9/2016	0.0017 (JD)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	0.0006 (J)	
7/12/2017	<0.003	
10/5/2017	<0.003	
3/22/2018	<0.003	
9/19/2018	<0.003	
3/22/2019		<0.003
9/17/2019		<0.003
3/13/2020		0.00053 (J)
9/21/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/15/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/20/2009	<0.003	
4/27/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/10/2012	<0.003	
4/16/2013	0.0053	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/6/2015	0.0025 (J)	
4/5/2016	0.053 (o)	
5/31/2016	0.00088 (J)	
11/23/2016	<0.003	
2/10/2017	<0.003	
4/11/2017	<0.003	
6/15/2017	<0.003	
7/12/2017	<0.003	
7/26/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	0.00089 (J)	
9/19/2018	<0.003	
3/22/2019		<0.003
9/17/2019		<0.003
3/13/2020		<0.003
9/21/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.003	
10/25/2007	<0.003	
11/19/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/12/2008	<0.003	
12/11/2008	<0.003	
4/15/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/12/2010	<0.003	
4/28/2011	<0.003	
10/19/2011	<0.003	
5/2/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/3/2014	<0.003	
3/31/2015	<0.003	
10/12/2015	<0.003	
3/28/2016	0.0284 (o)	
5/25/2016	0.000686 (J)	
8/1/2016	<0.003	
9/27/2016	<0.003	
11/11/2016	<0.003	
1/31/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/20/2019		<0.003
9/16/2019		<0.003
3/16/2020		0.00031 (J)
9/16/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.003	
10/25/2007	<0.003	
11/20/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/11/2008	<0.003	
4/23/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/11/2010	<0.003	
4/26/2011	<0.003	
10/18/2011	<0.003	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/10/2013	<0.003	
10/8/2013	<0.003	
4/14/2014	<0.003	
10/3/2014	<0.003	
4/1/2015	0.0035 (J)	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.001 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/21/2019		<0.003
9/16/2019		<0.003
3/12/2020		0.00052 (J)
9/16/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/21/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
7/14/2017	0.0008 (J)	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
3/21/2019		<0.003
9/13/2019		0.002 (J)
3/12/2020		0.00066 (J)
9/16/2020		0.0012 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/13/2008	<0.003	
12/12/2008	<0.003	
4/16/2009	<0.003	
10/13/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/5/2011	<0.003	
4/4/2012	<0.003	
10/8/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/9/2014	<0.003	
9/30/2014	<0.003	
4/2/2015	<0.003	
10/10/2015	<0.003 (D)	
3/30/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/21/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	0.001 (J)	
9/18/2018	<0.003 (D)	
3/21/2019		<0.003
9/16/2019		<0.003
3/12/2020		<0.003
9/17/2020		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0079	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.015 (o)	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	0.0006 (J)	
3/20/2018	0.00079 (J)	
9/18/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/12/2020		<0.005
9/17/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00058 (J)	
9/18/2018	<0.005	
3/23/2019		<0.005
9/17/2019		<0.005
3/12/2020		<0.005
9/21/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	0.0086	
3/5/2008	<0.005	
5/13/2008	<0.005	
12/13/2008	0.012	
4/16/2009	0.008	
10/21/2009	0.0081	
10/5/2010	0.0067	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	0.0086	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	0.0094	
4/1/2014	0.0097	
10/2/2014	0.0055	
4/1/2015	0.011	
10/14/2015	0.007	
4/4/2016	0.00645	
5/27/2016	0.00692	
8/3/2016	0.0068	
9/30/2016	0.0065	
11/22/2016	0.0066	
2/13/2017	0.0092	
4/11/2017	0.0051	
6/14/2017	0.0056	
10/4/2017	0.0068	
3/22/2018	0.0055	
9/18/2018	0.0064	
3/23/2019		0.0055
9/17/2019		0.00465 (JD)
3/12/2020		0.0053
9/21/2020		0.0065

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.0096	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0022 (J)	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	0.00124 (J)	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/12/2017	0.001 (J)	
6/16/2017	0.0007 (J)	
10/9/2017	0.0006 (J)	
3/21/2018	0.0013 (J)	
9/19/2018	<0.005	
3/23/2019		0.00067 (J)
9/18/2019		0.00052 (J)
3/13/2020		0.00096 (J)
9/22/2020		0.00098 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	0.0079	
5/7/2008	<0.005	
12/2/2008	0.014 (o)	
4/16/2009	0.0069	
10/20/2009	0.0054	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	0.00096 (J)	
9/19/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/13/2020		<0.005
9/21/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0077	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/2/2008	0.0061	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	0.0025 (J)	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	0.00105 (J)	
5/31/2016	0.00261 (J)	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	0.0007 (J)	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	0.0009 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/13/2020		0.00052 (J)
9/21/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0006 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019		<0.005
9/16/2019		<0.005
3/16/2020		<0.005
9/16/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	0.014 (o)	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.005	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	0.0006 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	0.00089 (J)	
9/17/2018	<0.005	
3/21/2019		<0.005
9/16/2019		0.00071 (J)
3/12/2020		0.00055 (J)
9/16/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0031 (J)	
9/27/2016	0.0028 (J)	
11/21/2016	0.0031 (J)	
2/1/2017	0.0031 (J)	
4/6/2017	0.003 (J)	
6/13/2017	0.0024 (J)	
7/14/2017	0.0029 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0024 (J)	
9/18/2018	<0.005	
3/21/2019		0.00077 (J)
9/13/2019		0.0017 (J)
3/12/2020		0.00044 (J)
9/16/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	0.0006 (J)	
9/18/2018	<0.005	
5/6/2019		0.00063 (J)
9/16/2019		0.00043 (J)
3/16/2020		<0.005
9/17/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	0.0086	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	0.0065	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.0241 (o)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019		<0.005
9/16/2019		0.00044 (J)
3/12/2020		<0.005
9/17/2020		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.015 (o)	
11/2/2007	0.017 (o)	
11/18/2007	0.019 (o)	
1/31/2008	0.011 (o)	
3/11/2008	0.016 (o)	
5/14/2008	0.013 (o)	
12/5/2008	0.021 (o)	
4/15/2009	0.012 (o)	
10/8/2009	0.011 (o)	
4/28/2010	0.0081	
10/6/2010	0.0083	
4/21/2011	0.0053	
10/13/2011	0.0071	
5/1/2012	0.0067	
10/9/2012	0.0055	
4/11/2013	0.0061	
10/16/2013	0.0062	
4/23/2014	0.0047	
10/4/2014	0.0055	
3/31/2015	0.0076	
10/12/2015	0.0049	
3/23/2016	0.00742 (J)	
5/23/2016	0.00532 (J)	
7/29/2016	0.0053 (J)	
9/22/2016	0.0058 (J)	
11/10/2016	0.0051 (J)	
1/31/2017	0.0054 (J)	
3/30/2017	0.0049 (J)	
6/12/2017	<0.01	
10/4/2017	0.0047 (J)	
3/19/2018	0.0047 (J)	
9/17/2018	0.0041 (J)	
3/20/2019		0.0042 (J)
9/13/2019		0.0042 (J)
3/11/2020		0.0041 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.098 (o)	
4/23/2009	0.013	
10/6/2009	0.011	
4/27/2010	0.016	
9/30/2010	0.013	
4/14/2011	0.011	
10/5/2011	0.015	
4/11/2012	0.0102	
10/2/2012	0.0091	
4/9/2013	0.01	
10/15/2013	0.0098	
4/10/2014	0.011	
10/1/2014	0.0033	
3/30/2015	0.0043	
10/11/2015	0.0038	
3/28/2016	0.0133	
5/23/2016	0.0109	
8/1/2016	0.0058 (J)	
9/26/2016	0.0092 (J)	
11/10/2016	0.0083 (J)	
1/30/2017	0.0117	
4/7/2017	0.0109	
6/12/2017	<0.01	
10/2/2017	0.0122	
3/16/2018	0.0084 (J)	
9/17/2018	0.01	
3/19/2019		0.012
9/13/2019		0.0088 (J)
3/11/2020		0.0077 (J)
9/16/2020		0.0081 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.021	
11/1/2007	0.017	
11/20/2007	0.1 (o)	
1/30/2008	0.035	
3/6/2008	0.042	
5/12/2008	0.0087	
12/13/2008	0.12 (o)	
4/29/2009	0.11 (o)	
10/20/2009	0.016	
4/26/2010	0.016	
9/29/2010	0.016	
4/13/2011	0.012	
10/5/2011	0.014	
4/4/2012	0.017	
10/3/2012	0.015	
4/3/2013	0.018	
10/15/2013	0.018	
4/9/2014	0.019	
10/2/2014	0.016	
4/2/2015	0.017	
10/10/2015	0.014	
3/31/2016	0.0179	
5/26/2016	0.0186	
8/5/2016	0.0138	
9/28/2016	0.0153	
11/22/2016	0.0184 (J)	
2/7/2017	0.0215	
4/10/2017	0.0247	
6/14/2017	0.0227	
10/4/2017	0.0172	
3/20/2018	0.021	
9/18/2018	0.02	
3/22/2019		0.024
9/17/2019		0.016
3/12/2020		0.026
9/17/2020		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	0.034	
11/1/2007	0.036	
11/18/2007	0.036	
1/30/2008	0.031 (J)	
3/5/2008	0.018	
5/7/2008	0.015	
12/14/2008	0.12 (o)	
4/29/2009	0.0079	
10/22/2009	0.007	
4/21/2010	0.0074	
9/28/2010	0.0068	
4/12/2011	0.0089	
10/4/2011	0.012	
4/3/2012	0.0169	
10/3/2012	0.03	
4/3/2013	0.008	
10/9/2013	0.0093	
4/2/2014	0.031	
10/2/2014	0.035	
4/1/2015	0.013	
10/11/2015	0.0079	
4/4/2016	0.0119	
5/26/2016	0.0127	
8/3/2016	0.0121	
9/28/2016	0.0112	
11/22/2016	0.0155 (J)	
2/8/2017	0.0115	
4/10/2017	<0.0117	
6/15/2017	0.0112	
10/4/2017	0.0093 (J)	
3/21/2018	0.012	
9/18/2018	0.011	
3/23/2019		0.0081 (J)
9/17/2019		0.011
3/12/2020		0.0086 (J)
9/21/2020		0.0093 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.023	
11/1/2007	0.034	
11/19/2007	0.043	
1/16/2008	0.13 (o)	
3/5/2008	0.07	
5/13/2008	0.039	
12/13/2008	0.13 (o)	
4/16/2009	0.13 (o)	
10/21/2009	0.033	
4/27/2010	0.11 (o)	
10/5/2010	0.027	
4/19/2011	0.025	
10/12/2011	0.025	
4/24/2012	0.027	
10/2/2012	0.013	
4/2/2013	0.031	
10/9/2013	0.025	
4/1/2014	0.023	
10/2/2014	0.025	
4/1/2015	0.025	
10/14/2015	0.027	
4/4/2016	0.0285	
5/27/2016	0.0257	
8/3/2016	0.0237	
9/30/2016	0.0279	
11/22/2016	0.0286 (J)	
2/13/2017	0.0313	
4/11/2017	0.0254	
6/14/2017	0.0241	
10/4/2017	0.0256	
3/22/2018	0.024	
9/18/2018	0.025	
3/23/2019		0.024
9/17/2019		0.0245 (D)
3/12/2020		0.023
9/21/2020		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.065	
11/1/2007	0.019	
11/19/2007	0.015	
1/31/2008	0.022	
3/5/2008	0.012	
5/12/2008	0.014	
12/13/2008	0.11 (o)	
4/28/2009	0.12 (o)	
10/21/2009	0.023	
4/28/2010	0.019	
10/5/2010	0.018	
4/19/2011	0.019	
10/18/2011	0.025	
4/25/2012	0.024	
10/2/2012	0.019	
4/2/2013	0.021	
10/8/2013	0.027	
4/1/2014	0.023	
10/1/2014	0.014	
4/1/2015	0.027	
10/15/2015	0.033	
4/4/2016	0.027	
5/31/2016	0.0283	
8/4/2016	0.0358	
9/29/2016	0.0437	
11/28/2016	0.0419 (J)	
2/9/2017	0.0472	
4/12/2017	0.0383	
6/16/2017	0.0457	
10/9/2017	0.0406	
3/21/2018	0.032	
9/19/2018	0.034	
3/23/2019		0.023
9/18/2019		0.033
3/13/2020		0.023
9/22/2020		0.027

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	0.0089	
11/2/2007	0.0091	
11/17/2007	0.021	
1/15/2008	0.013	
3/5/2008	0.11 (o)	
5/7/2008	0.01	
12/2/2008	0.12 (o)	
4/16/2009	0.13 (o)	
10/20/2009	0.05	
4/20/2010	0.019	
9/29/2010	0.017	
4/12/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.0182	
10/10/2012	0.048	
4/15/2013	0.03	
10/22/2013	0.033	
4/21/2014	0.033	
9/30/2014	0.027	
4/3/2015	0.13 (o)	
10/7/2015	0.047	
4/5/2016	0.0279	
6/1/2016	0.0249	
8/9/2016	0.0268	
11/28/2016	<0.01	
2/9/2017	0.0119	
4/11/2017	0.0112 (D)	
6/14/2017	<0.01	
7/12/2017	0.0105	
10/5/2017	0.0099 (J)	
3/22/2018	0.011	
9/19/2018	0.013	
3/22/2019		0.014
9/17/2019		0.015
3/13/2020		0.017
9/21/2020		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	0.017	
11/2/2007	0.011	
11/18/2007	0.012 (J)	
1/15/2008	0.088 (o)	
3/10/2008	0.0077	
5/13/2008	0.0055	
12/2/2008	0.0097	
4/28/2009	0.0042	
10/20/2009	0.0056	
4/27/2010	0.0039	
10/5/2010	0.0047	
4/19/2011	0.0071	
10/12/2011	0.0098	
4/25/2012	0.0088	
10/10/2012	0.0093	
4/16/2013	0.0098	
10/22/2013	0.0097	
4/21/2014	0.008	
9/30/2014	0.0074	
4/3/2015	0.0076	
10/6/2015	0.0088	
4/5/2016	0.00153 (J)	
5/31/2016	0.00589 (J)	
11/23/2016	<0.05	
2/10/2017	0.0233	
4/11/2017	0.0162	
6/15/2017	0.0148	
7/12/2017	0.0166	
7/26/2017	0.0146	
10/6/2017	0.015	
3/23/2018	0.013	
9/19/2018	0.015	
3/22/2019		0.014
9/17/2019		0.014
3/13/2020		0.014
9/21/2020		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.017	
10/25/2007	0.023	
11/19/2007	0.024	
1/23/2008	0.028	
3/11/2008	0.022	
5/12/2008	0.021	
12/11/2008	0.022	
4/15/2009	0.13 (o)	
10/9/2009	0.026	
5/4/2010	0.018	
10/12/2010	0.019	
4/28/2011	0.015	
10/19/2011	0.016	
5/2/2012	0.0191	
10/9/2012	0.019	
4/11/2013	0.013	
10/16/2013	0.017	
4/23/2014	0.015	
10/3/2014	0.02	
3/31/2015	0.014	
10/12/2015	0.017	
3/28/2016	0.0173	
5/25/2016	0.0175	
8/1/2016	0.0145	
9/27/2016	0.0139	
11/11/2016	0.0135	
1/31/2017	0.0153	
4/3/2017	0.0135	
6/12/2017	0.0154	
10/3/2017	0.0138	
3/19/2018	0.013	
9/17/2018	0.014	
3/20/2019		0.018
9/16/2019		0.022
3/16/2020		0.024
9/16/2020		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	0.023	
10/25/2007	0.018	
11/20/2007	0.1 (o)	
1/23/2008	0.031	
3/11/2008	0.016	
5/14/2008	0.024	
12/11/2008	0.022	
4/23/2009	0.012	
10/9/2009	0.11 (o)	
5/4/2010	0.096 (o)	
10/11/2010	0.018	
4/26/2011	0.01	
10/18/2011	0.012	
5/2/2012	0.0119	
10/8/2012	0.01	
4/10/2013	0.013	
10/8/2013	0.014	
4/14/2014	0.01	
10/3/2014	0.014	
4/1/2015	0.013	
10/9/2015	0.008	
3/29/2016	0.0239 (J)	
5/24/2016	0.00902 (J)	
8/1/2016	0.0091 (J)	
9/26/2016	0.0124	
11/18/2016	0.0117	
2/1/2017	0.0086 (J)	
4/6/2017	0.0083 (J)	
6/13/2017	<0.01	
10/3/2017	0.0084 (J)	
3/19/2018	0.0079 (J)	
9/17/2018	0.0065 (J)	
3/21/2019		0.0074 (J)
9/16/2019		0.0075 (J)
3/12/2020		0.0075 (J)
9/16/2020		0.0074 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	0.0178	
8/2/2016	0.0394	
9/27/2016	0.032	
11/21/2016	0.0316 (J)	
2/1/2017	0.0264	
4/6/2017	0.0245	
6/13/2017	0.0247	
7/14/2017	0.0245	
10/3/2017	0.0218	
3/20/2018	0.024	
9/18/2018	0.027	
3/21/2019		0.03
9/13/2019		0.031
3/12/2020		0.022
9/16/2020		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.06	
6/18/2015	0.047 (D)	
7/2/2015	0.04	
10/8/2015	0.032	
3/22/2016	0.0263	
5/25/2016	0.0178	
8/2/2016	0.0265	
9/26/2016	0.0267	
11/21/2016	0.0309 (J)	
2/3/2017	0.0289	
4/7/2017	0.029	
6/13/2017	0.027	
10/3/2017	0.0292	
3/20/2018	0.029	
9/18/2018	0.025	
5/6/2019		0.017
9/16/2019		0.026
3/16/2020		0.027
9/17/2020		0.025

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	0.043	
11/1/2007	0.032	
11/19/2007	0.049 (J)	
1/15/2008	0.12 (o)	
3/6/2008	0.075 (o)	
5/13/2008	0.055	
12/12/2008	0.16 (o)	
4/16/2009	0.15 (o)	
10/13/2009	0.05	
4/21/2010	0.039	
9/29/2010	0.033	
4/13/2011	0.033	
10/5/2011	0.035	
4/4/2012	0.0422	
10/8/2012	0.029	
4/8/2013	0.042	
10/9/2013	0.04	
4/9/2014	0.038	
9/30/2014	0.038	
4/2/2015	0.039	
10/10/2015	0.038 (D)	
3/30/2016	0.0412	
5/26/2016	0.0357	
8/5/2016	0.03	
9/28/2016	0.0308	
11/21/2016	0.0356 (J)	
2/6/2017	0.0391	
4/6/2017	0.0402	
6/13/2017	0.0394	
10/3/2017	0.0381	
3/20/2018	0.039	
9/18/2018	0.037	
3/21/2019		0.042
9/16/2019		0.035
3/12/2020		0.044
9/17/2020		0.031

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
10/2/2014	<0.003	
4/2/2015	0.00015 (J)	
10/10/2015	8.5E-05 (J)	
3/31/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/20/2018	0.00019 (J)	
9/18/2018	5.4E-05 (J)	
3/22/2019		0.00018 (J)
9/17/2019		<0.003
3/12/2020		0.00017 (J)
9/17/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
10/2/2014	<0.003	
4/1/2015	<0.003	
10/11/2015	<0.003	
4/4/2016	<0.003	
5/26/2016	<0.003	
8/3/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		5.7E-05 (J)
9/17/2019		<0.003
3/12/2020		<0.003
9/21/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
10/1/2014	<0.003	
4/1/2015	0.00022 (J)	
10/15/2015	0.00018 (J)	
4/4/2016	<0.003	
5/31/2016	<0.003	
8/4/2016	<0.003	
9/29/2016	9E-05 (J)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/12/2017	0.0001 (J)	
6/16/2017	9E-05 (J)	
10/9/2017	<0.003	
3/21/2018	<0.003	
9/19/2018	7E-05 (J)	
3/23/2019		6.1E-05 (J)
9/18/2019		7.4E-05 (J)
3/13/2020		8E-05 (J)
9/22/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
9/30/2014	<0.003	
4/3/2015	<0.003	
10/7/2015	<0.003	
4/5/2016	<0.003	
6/1/2016	<0.003	
8/9/2016	<0.003	
11/28/2016	<0.003	
2/9/2017	0.0001 (J)	
4/11/2017	<0.003	
6/14/2017	<0.003	
7/12/2017	<0.003	
10/5/2017	<0.003	
3/22/2018	0.00103 (D)	
9/19/2018	0.00014 (J)	
3/22/2019		9.4E-05 (J)
9/17/2019		0.00013 (X)
3/13/2020		0.00016 (J)
9/21/2020		9.5E-05 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
10/3/2014	0.00073 (J)	
3/31/2015	0.00057 (J)	
10/12/2015	0.00054 (J)	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	0.0006 (J)	
9/27/2016	0.0007 (J)	
11/11/2016	0.0007 (J)	
1/31/2017	0.0007 (J)	
4/3/2017	0.0007 (J)	
6/12/2017	0.0004 (J)	
10/3/2017	0.0006 (J)	
3/19/2018	0.0005 (J)	
9/17/2018	0.00053 (J)	
3/20/2019		0.00046 (J)
9/16/2019		0.00051 (J)
3/16/2020		0.00048 (J)
9/16/2020		0.00069 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
10/3/2014	0.00024 (J)	
4/1/2015	0.00021 (J)	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	6.6E-05 (J)	
9/17/2018	<0.003	
3/21/2019		<0.003
9/16/2019		<0.003
3/12/2020		<0.003
9/16/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.003	
6/18/2015	0.0013 (D)	
7/2/2015	<0.003	
10/8/2015	<0.003	
3/22/2016	<0.003	
5/25/2016	<0.003	
8/2/2016	<0.003	
9/26/2016	<0.003	
11/21/2016	<0.003	
2/3/2017	<0.003	
4/7/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
5/6/2019		0.0001 (J)
9/16/2019		<0.003
3/16/2020		<0.003
9/17/2020		4.9E-05 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
9/30/2014	0.00013 (J)	
4/2/2015	0.00028 (J)	
10/10/2015	0.000245 (JD)	
3/30/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/21/2016	<0.003	
2/6/2017	0.0002 (J)	
4/6/2017	0.0002 (J)	
6/13/2017	0.0002 (J)	
10/3/2017	0.0001 (J)	
3/20/2018	0.00022 (J)	
9/18/2018	0.00014 (JD)	
3/21/2019		0.00015 (J)
9/16/2019		0.0001 (J)
3/12/2020		0.00022 (J)
9/17/2020		4.8E-05 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.001	
4/23/2009	<0.001	
10/6/2009	<0.001	
4/27/2010	<0.001	
9/30/2010	<0.001	
4/14/2011	<0.001	
10/5/2011	<0.001	
4/11/2012	<0.001	
10/2/2012	<0.001	
4/9/2013	<0.001	
10/15/2013	<0.001	
4/10/2014	<0.001	
10/1/2014	<0.001	
3/30/2015	<0.001	
10/11/2015	0.00026 (J)	
3/28/2016	<0.001	
5/23/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/10/2016	<0.001	
1/30/2017	<0.001	
4/7/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/17/2018	<0.001	
3/19/2019		<0.001
9/13/2019		<0.001
3/11/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/16/2008	<0.001	
3/5/2008	<0.001	
5/13/2008	<0.001	
12/13/2008	<0.001	
4/16/2009	<0.001	
10/21/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/24/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/9/2013	<0.001	
4/1/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/14/2015	0.00025 (J)	
4/4/2016	0.000136 (J)	
5/27/2016	0.000131 (J)	
8/3/2016	<0.001	
9/30/2016	9E-05 (J)	
11/22/2016	<0.001	
2/13/2017	0.0001 (J)	
4/11/2017	0.0003 (J)	
6/14/2017	0.0003 (J)	
10/4/2017	0.0002 (J)	
3/22/2018	0.00032 (J)	
9/18/2018	0.00057 (J)	
3/23/2019		0.00035 (J)
9/17/2019		0.000575 (JD)
3/12/2020		0.00089 (J)
9/21/2020		0.00025 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/16/2009	<0.001	
10/20/2009	<0.001	
4/20/2010	<0.001	
9/29/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	<0.001	
4/5/2016	<0.001	
6/1/2016	<0.001	
8/9/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	0.0001 (J)	
4/11/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
9/19/2018	<0.001	
3/22/2019		<0.001
9/17/2019		<0.001
3/13/2020		<0.001
9/21/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.001	
10/25/2007	<0.001	
11/19/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/12/2008	<0.001	
12/11/2008	<0.001	
4/15/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/12/2010	<0.001	
4/28/2011	<0.001	
10/19/2011	<0.001	
5/2/2012	<0.001	
10/9/2012	<0.001	
4/11/2013	<0.001	
10/16/2013	<0.001	
4/23/2014	<0.001	
10/3/2014	0.00033 (J)	
3/31/2015	<0.001	
10/12/2015	<0.001	
3/28/2016	0.00104	
5/25/2016	0.000148 (J)	
8/1/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/11/2016	9E-05 (J)	
1/31/2017	<0.001	
4/3/2017	0.0001 (J)	
6/12/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019		<0.001
9/16/2019		<0.001
3/16/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.001	
10/25/2007	<0.001	
11/20/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/14/2008	<0.001	
12/11/2008	<0.001	
4/23/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/11/2010	<0.001	
4/26/2011	<0.001	
10/18/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/10/2013	<0.001	
10/8/2013	<0.001	
4/14/2014	<0.001	
10/3/2014	<0.001	
4/1/2015	<0.001	
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	8E-05 (J)	
11/18/2016	8E-05 (J)	
2/1/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019		<0.001
9/16/2019		<0.001
3/12/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/21/2016	<0.001	
2/1/2017	9E-05 (J)	
4/6/2017	<0.001	
6/13/2017	<0.001	
7/14/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/21/2019		<0.001
9/13/2019		<0.001
3/12/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.001	
6/18/2015	<0.001 (D)	
7/2/2015	<0.001	
10/8/2015	<0.001	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	<0.001	
9/26/2016	<0.001	
11/21/2016	<0.001	
2/3/2017	0.0001 (J)	
4/7/2017	<0.001	
6/13/2017	0.0002 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
5/6/2019		<0.001
9/16/2019		<0.001
3/16/2020		<0.001
9/17/2020		<0.001

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.01	
11/2/2007	0.027	
11/18/2007	0.17 (o)	
1/31/2008	0.012	
3/11/2008	0.063 (o)	
5/14/2008	0.057 (o)	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	0.0013	
4/23/2014	<0.01	
10/4/2014	<0.01	
3/31/2015	<0.01	
10/12/2015	<0.01	
3/23/2016	<0.01	
5/23/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	0.0013 (J)	
11/10/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/13/2019		0.00073 (J)
3/11/2020		0.00095 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.01	
4/23/2009	<0.01	
10/6/2009	<0.01	
4/27/2010	<0.01	
9/30/2010	0.0014	
4/14/2011	0.0014	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/2/2012	<0.01	
4/9/2013	<0.01	
10/15/2013	<0.01	
4/10/2014	0.0013 (J)	
10/1/2014	<0.01	
3/30/2015	<0.01	
10/11/2015	<0.01	
3/28/2016	<0.01	
5/23/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/10/2016	<0.01	
1/30/2017	<0.01	
4/7/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01
9/13/2019		<0.01
3/11/2020		0.0011 (J)
9/16/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.0015	
11/1/2007	0.011	
11/20/2007	0.042	
1/30/2008	0.034	
3/6/2008	0.027	
5/12/2008	0.015	
12/13/2008	0.0036	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	0.0034	
4/13/2011	<0.01	
10/5/2011	0.0032	
4/4/2012	<0.01	
10/3/2012	0.0047	
4/3/2013	0.0014	
10/15/2013	0.002	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.0013	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	0.0024 (J)	
2/7/2017	0.0015 (J)	
4/10/2017	<0.01	
6/14/2017	0.0006 (J)	
10/4/2017	0.0027 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.0009 (J)
3/12/2020		0.00047 (J)
9/17/2020		0.0011 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.025	
12/14/2008	0.0021	
4/29/2009	0.011	
10/22/2009	0.01	
4/21/2010	0.0053	
9/28/2010	0.0076	
4/12/2011	0.0095	
10/4/2011	0.0091	
4/3/2012	0.0076	
10/3/2012	0.0039	
4/3/2013	<0.01	
10/9/2013	0.0089	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	0.0062	
10/11/2015	<0.01	
4/4/2016	0.00656 (J)	
5/26/2016	0.00752 (J)	
8/3/2016	0.0067 (J)	
9/28/2016	0.0082 (J)	
11/22/2016	0.0045 (J)	
2/8/2017	0.0101	
4/10/2017	0.0094 (J)	
6/15/2017	0.009 (J)	
10/4/2017	0.0008 (J)	
3/21/2018	0.0079 (J)	
9/18/2018	0.0081 (J)	
3/23/2019		<0.01
9/17/2019		0.0079 (J)
3/12/2020		0.00084 (J)
9/21/2020		0.0081 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.0013	
11/1/2007	<0.01	
11/19/2007	0.0056	
1/16/2008	0.039	
3/5/2008	0.03	
5/13/2008	0.0057	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	0.0015	
4/27/2010	0.0036	
10/5/2010	<0.01	
4/19/2011	0.003	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.0018	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
5/27/2016	<0.01	
8/3/2016	<0.01	
9/30/2016	<0.01	
11/22/2016	<0.01	
2/13/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		0.0058 (D)
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.0019	
11/1/2007	0.01	
11/19/2007	0.021	
1/31/2008	0.035	
3/5/2008	0.012	
5/12/2008	0.02	
12/13/2008	0.014	
4/28/2009	0.0079	
10/21/2009	0.0092	
4/28/2010	0.0086	
10/5/2010	0.0085	
4/19/2011	0.0089	
10/18/2011	0.0093	
4/25/2012	0.0075	
10/2/2012	0.017	
4/2/2013	0.0097	
10/8/2013	0.011	
4/1/2014	0.0074	
10/1/2014	0.0049	
4/1/2015	0.0072	
10/15/2015	0.0077	
4/4/2016	0.00615 (J)	
5/31/2016	0.00588 (J)	
8/4/2016	0.0056 (J)	
9/29/2016	0.0065 (J)	
11/28/2016	0.0064 (J)	
2/9/2017	0.0078 (J)	
4/12/2017	0.0077 (J)	
6/16/2017	0.0072 (J)	
10/9/2017	0.0079 (J)	
3/21/2018	0.0055 (J)	
9/19/2018	0.0059 (J)	
3/23/2019		0.0058 (J)
9/18/2019		0.0063 (J)
3/13/2020		0.0054 (J)
9/22/2020		0.0062 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	0.083 (o)	
11/2/2007	0.0071	
11/17/2007	0.012	
1/15/2008	0.043	
3/5/2008	0.0044	
5/7/2008	0.0084	
12/2/2008	0.0056	
4/16/2009	0.0042	
10/20/2009	0.0037	
4/20/2010	<0.01	
9/29/2010	0.0028	
4/12/2011	<0.01	
10/4/2011	0.0015	
4/4/2012	<0.01	
10/10/2012	0.0029	
4/15/2013	0.0036	
10/22/2013	0.0048	
4/21/2014	0.0043	
9/30/2014	0.0037	
4/3/2015	0.016	
10/7/2015	0.0092	
4/5/2016	0.019 (J)	
6/1/2016	0.006 (J)	
8/9/2016	0.0086 (JD)	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	0.0006 (J)	
7/12/2017	0.0005 (J)	
10/5/2017	0.0006 (J)	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.00046 (X)
3/13/2020		0.00093 (J)
9/21/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	0.061 (o)	
11/2/2007	0.078 (o)	
11/18/2007	0.085 (o)	
1/15/2008	0.079 (o)	
3/10/2008	0.062 (o)	
5/13/2008	0.044 (o)	
12/2/2008	0.027	
4/28/2009	0.016	
10/20/2009	0.018	
4/27/2010	0.012	
10/5/2010	0.0067	
4/19/2011	0.0081	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	0.0029	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/6/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/11/2017	<0.01	
6/15/2017	0.0005 (J)	
7/12/2017	0.0008 (J)	
7/26/2017	0.0006 (J)	
10/6/2017	0.0008 (J)	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.00064 (X)
3/13/2020		0.0012 (J)
9/21/2020		0.00089 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0076	
10/25/2007	0.015	
11/19/2007	0.013	
1/23/2008	0.032	
3/11/2008	0.024	
5/12/2008	0.016	
12/11/2008	0.013	
4/15/2009	0.0073	
10/9/2009	0.0037	
5/4/2010	<0.01	
10/12/2010	0.0023	
4/28/2011	0.002	
10/19/2011	0.0015	
5/2/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	0.0015	
10/16/2013	<0.01	
4/23/2014	0.0013 (J)	
10/3/2014	<0.01	
3/31/2015	<0.01	
10/12/2015	<0.01	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/27/2016	<0.01	
11/11/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	0.0005 (J)	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/16/2019		<0.01
3/16/2020		0.00078 (J)
9/16/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.002	
11/20/2007	0.017	
1/23/2008	0.064 (o)	
3/11/2008	0.013	
5/14/2008	0.027	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0014	
5/4/2010	<0.01	
10/11/2010	0.0027	
4/26/2011	0.0015	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	0.0013	
10/8/2013	0.0017	
4/14/2014	0.004	
10/3/2014	0.0017	
4/1/2015	0.0027	
10/9/2015	0.0016	
3/29/2016	0.00738 (J)	
5/24/2016	0.00263 (J)	
8/1/2016	<0.01	
9/26/2016	0.0014 (J)	
11/18/2016	<0.01	
2/1/2017	0.0024 (J)	
4/6/2017	<0.01	
6/13/2017	0.0031 (J)	
10/3/2017	0.0025 (J)	
3/19/2018	0.0035 (J)	
9/17/2018	0.0024 (J)	
3/21/2019		0.0029 (J)
9/16/2019		0.002 (J)
3/12/2020		0.0034 (J)
9/16/2020		0.0022 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/21/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
7/14/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01
9/13/2019		<0.01
3/12/2020		0.0014 (J)
9/16/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.01	
6/18/2015	0.0024 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	0.048 (o)	
5/25/2016	0.00441 (J)	
8/2/2016	<0.01	
9/26/2016	0.002 (J)	
11/21/2016	0.0017 (J)	
2/3/2017	0.0018 (J)	
4/7/2017	<0.01	
6/13/2017	0.0019 (J)	
10/3/2017	0.0022 (J)	
3/20/2018	0.0017 (J)	
9/18/2018	<0.01	
5/6/2019		0.0048 (J)
9/16/2019		0.002 (J)
3/16/2020		0.0015 (J)
9/17/2020		0.0017 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	0.0061	
11/19/2007	0.018 (J)	
1/15/2008	0.078 (o)	
3/6/2008	0.054 (o)	
5/13/2008	0.0085	
12/12/2008	0.0023	
4/16/2009	<0.01	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0013	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.00115 (D)	
3/30/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		0.00045 (J)
9/17/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.0033	
11/2/2007	0.0046	
11/18/2007	0.0057	
1/31/2008	0.0055	
3/11/2008	0.0033	
5/14/2008	0.0044	
12/5/2008	0.0035	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	0.0013 (J)	
10/4/2014	0.00081 (J)	
3/31/2015	0.0021	
10/12/2015	0.00078 (J)	
3/23/2016	<0.01	
5/23/2016	<0.01	
7/29/2016	0.0007 (J)	
9/22/2016	0.0007 (J)	
11/10/2016	0.0007 (J)	
1/31/2017	0.0007 (J)	
3/30/2017	0.0007 (J)	
6/12/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/19/2018	0.00059 (J)	
9/17/2018	0.00057 (J)	
3/20/2019		<0.01
9/13/2019		0.00046 (J)
3/11/2020		0.00041 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	<0.01	
11/20/2007	0.0046	
1/30/2008	0.0079	
3/6/2008	0.0037	
5/12/2008	<0.01	
12/13/2008	0.013	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	0.0018	
4/3/2013	0.0014	
10/15/2013	0.0018	
4/9/2014	0.0013 (J)	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	0.0006 (J)	
2/7/2017	0.0017 (J)	
4/10/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	0.0021 (J)	
9/18/2018	<0.01	
3/22/2019		0.0011 (J)
9/17/2019		<0.01
3/12/2020		0.0017 (J)
9/17/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	0.0031	
11/1/2007	0.0034	
11/18/2007	0.0045	
1/30/2008	0.0027	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	0.0037	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.0036	
10/2/2014	0.016	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/8/2017	<0.01	
4/10/2017	<0.01	
6/15/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	0.0041	
11/19/2007	0.0055	
1/16/2008	0.008	
3/5/2008	0.98 (o)	
5/13/2008	0.01	
12/13/2008	0.0073	
4/16/2009	0.0033	
10/21/2009	0.0039	
4/27/2010	0.0044	
10/5/2010	0.005	
4/19/2011	0.0039	
10/12/2011	0.0032	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.0038	
10/9/2013	0.003	
4/1/2014	0.0027	
10/2/2014	0.0027	
4/1/2015	0.0028	
10/14/2015	0.003	
4/4/2016	0.00351 (J)	
5/27/2016	0.00332 (J)	
8/3/2016	0.003 (J)	
9/30/2016	0.0035 (J)	
11/22/2016	0.0027 (J)	
2/13/2017	0.003 (J)	
4/11/2017	0.0031 (J)	
6/14/2017	0.0031 (J)	
10/4/2017	0.0032 (J)	
3/22/2018	0.0033 (J)	
9/18/2018	0.0031 (J)	
3/23/2019		0.0032 (J)
9/17/2019		0.00305 (D)
3/12/2020		0.0031 (J)
9/21/2020		0.0029 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	0.0037	
3/5/2008	<0.01	
5/12/2008	<0.01	
12/13/2008	0.011	
4/28/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/18/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
4/1/2015	<0.01	
10/15/2015	0.00051 (J)	
4/4/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/12/2017	<0.01	
6/16/2017	<0.01	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		<0.01
9/18/2019		0.0005 (J)
3/13/2020		<0.01
9/22/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	0.0039	
1/15/2008	<0.01	
3/5/2008	0.005	
5/7/2008	<0.01	
12/2/2008	0.011	
4/16/2009	0.005	
10/20/2009	0.0074	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
6/1/2016	<0.01	
8/9/2016	0.0003 (J)	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
7/12/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	0.00058 (J)	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	<0.01	
1/15/2008	0.0029	
3/10/2008	0.069 (o)	
5/13/2008	<0.01	
12/2/2008	0.0027	
4/28/2009	<0.01	
10/20/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/6/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/11/2017	<0.01	
6/15/2017	<0.01	
7/12/2017	<0.01	
7/26/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.01	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	0.0073	
3/11/2008	0.0025	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	0.0024	
4/11/2013	0.002	
10/16/2013	0.0023	
4/23/2014	0.003	
10/3/2014	0.0034	
3/31/2015	0.00079 (J)	
10/12/2015	0.00063 (J)	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	0.0005 (J)	
9/27/2016	<0.01	
11/11/2016	0.0006 (J)	
1/31/2017	0.0007 (J)	
4/3/2017	0.0005 (J)	
6/12/2017	0.0004 (J)	
10/3/2017	0.0003 (J)	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/16/2019		<0.01
3/16/2020		0.00031 (J)
9/16/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.0038	
11/20/2007	<0.01	
1/23/2008	0.0047	
3/11/2008	<0.01	
5/14/2008	<0.01	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/11/2010	<0.01	
4/26/2011	<0.01	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	<0.01	
4/14/2014	0.0013 (J)	
10/3/2014	0.00071 (J)	
4/1/2015	<0.01	
10/9/2015	<0.01	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/18/2016	<0.01	
2/1/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01
9/16/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.01	
8/2/2016	0.0018 (J)	
9/27/2016	0.0011 (J)	
11/21/2016	0.0008 (J)	
2/1/2017	0.0008 (J)	
4/6/2017	0.0008 (J)	
6/13/2017	0.0007 (J)	
7/14/2017	0.0005 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00076 (J)	
9/18/2018	0.00055 (J)	
3/21/2019		0.00059 (J)
9/13/2019		0.00099 (J)
3/12/2020		0.00031 (J)
9/16/2020		0.00072 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.0018	
6/18/2015	0.0018 (D)	
7/2/2015	0.0013	
10/8/2015	<0.01	
3/22/2016	<0.01	
5/25/2016	<0.01	
8/2/2016	<0.01	
9/26/2016	<0.01	
11/21/2016	<0.01	
2/3/2017	<0.01	
4/7/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01
9/16/2019		<0.01
3/16/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0034	
1/15/2008	0.0067	
3/6/2008	0.13 (o)	
5/13/2008	<0.01	
12/12/2008	0.0042	
4/16/2009	0.0047	
10/13/2009	0.0037	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0013	
4/9/2014	0.0013 (J)	
9/30/2014	<0.01	
4/2/2015	0.00064 (J)	
10/10/2015	0.0015 (D)	
3/30/2016	<0.01	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		0.00044 (J)
9/17/2020		<0.01

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.017	
11/2/2007	0.016	
11/18/2007	0.048	
1/31/2008	0.039	
3/11/2008	0.037	
5/14/2008	0.051	
12/5/2008	0.038	
4/15/2009	0.033	
10/8/2009	0.037	
4/28/2010	0.037	
10/6/2010	0.041	
4/21/2011	0.034	
10/13/2011	0.048	
5/1/2012	0.0427	
10/9/2012	0.038	
4/11/2013	0.038	
10/16/2013	0.036	
4/23/2014	0.03	
10/4/2014	0.029	
3/31/2015	0.026	
10/12/2015	0.05	
3/23/2016	0.0297	
7/29/2016	0.0419	
3/30/2017	0.0392	
10/4/2017	0.0343	
3/19/2018	0.033	
9/17/2018	0.033	
3/20/2019		0.026
9/13/2019		0.026
3/11/2020		0.027

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.018	
4/23/2009	0.013	
10/6/2009	0.012	
4/27/2010	0.0095	
9/30/2010	0.0087	
4/14/2011	0.0061	
10/5/2011	<0.025	
4/11/2012	<0.025	
10/2/2012	<0.025	
4/9/2013	0.0053	
10/15/2013	0.0076	
4/10/2014	0.005	
10/1/2014	0.0047 (J)	
3/30/2015	0.0048 (J)	
10/11/2015	0.0055	
3/28/2016	<0.025	
8/1/2016	0.0025 (J)	
4/7/2017	0.003 (J)	
10/2/2017	0.0031 (J)	
3/16/2018	0.0037 (J)	
9/17/2018	0.0028 (J)	
3/19/2019		0.0023 (J)
9/13/2019		0.0023 (J)
3/11/2020		0.0026 (J)
9/16/2020		0.0018 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.0058	
11/1/2007	<0.025	
11/20/2007	0.006	
1/30/2008	0.0037	
3/6/2008	0.004	
5/12/2008	<0.025	
12/13/2008	0.0051	
4/29/2009	0.003	
10/20/2009	<0.025	
4/26/2010	<0.025	
9/29/2010	<0.025	
4/13/2011	<0.025	
10/5/2011	<0.025	
4/4/2012	<0.025	
10/3/2012	<0.025	
4/3/2013	<0.025	
10/15/2013	<0.025	
4/9/2014	<0.025	
10/2/2014	<0.025	
4/2/2015	<0.025	
10/10/2015	0.0027 (J)	
3/31/2016	<0.025	
8/5/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/20/2018	<0.025	
9/18/2018	<0.025	
3/22/2019		<0.025
9/17/2019		<0.025
3/12/2020		<0.025
9/17/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.025	
11/1/2007	<0.025	
11/18/2007	<0.025	
1/30/2008	<0.025	
3/5/2008	<0.025	
5/7/2008	0.0037	
12/14/2008	<0.025	
4/29/2009	<0.025	
10/22/2009	<0.025	
4/21/2010	<0.025	
9/28/2010	0.0028	
4/12/2011	<0.025	
10/4/2011	0.013	
4/3/2012	<0.025	
10/3/2012	<0.025	
4/3/2013	<0.025	
10/9/2013	<0.025	
4/2/2014	<0.025	
10/2/2014	0.00084 (J)	
4/1/2015	<0.025	
10/11/2015	<0.025	
4/4/2016	<0.025	
8/3/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025
9/17/2019		<0.025
3/12/2020		0.00023 (J)
9/21/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.025	
11/1/2007	<0.025	
11/19/2007	0.0029	
1/16/2008	0.0067	
3/5/2008	0.0058	
5/13/2008	<0.025	
12/13/2008	<0.025	
4/16/2009	0.0032	
10/21/2009	<0.025	
4/27/2010	0.0034	
10/5/2010	<0.025	
4/19/2011	<0.025	
10/12/2011	<0.025	
4/24/2012	<0.025	
10/2/2012	<0.025	
4/2/2013	0.0063	
10/9/2013	<0.025	
4/1/2014	<0.025	
10/2/2014	<0.025	
4/1/2015	<0.025	
10/14/2015	0.0017 (J)	
4/4/2016	<0.025	
8/3/2016	<0.025	
4/11/2017	0.0003 (J)	
10/4/2017	<0.025	
3/22/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025
9/17/2019		<0.025 (D)
3/12/2020		<0.025
9/21/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.025	
11/1/2007	<0.025	
11/19/2007	0.0035	
1/31/2008	<0.025	
3/5/2008	<0.025	
5/12/2008	<0.025	
12/13/2008	0.0028	
4/28/2009	<0.025	
10/21/2009	<0.025	
4/28/2010	<0.025	
10/5/2010	<0.025	
4/19/2011	<0.025	
10/18/2011	<0.025	
4/25/2012	<0.025	
10/2/2012	<0.025	
4/2/2013	<0.025	
10/8/2013	<0.025	
4/1/2014	<0.025	
10/1/2014	<0.025	
4/1/2015	<0.025	
10/15/2015	<0.025	
4/4/2016	<0.025	
8/4/2016	<0.025	
4/12/2017	0.0003 (J)	
10/9/2017	0.0005 (J)	
3/21/2018	<0.025	
9/19/2018	<0.025	
3/23/2019		<0.025
9/18/2019		0.00057 (J)
3/13/2020		0.00033 (J)
9/22/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	0.0048 (J)	
11/2/2007	<0.025	
11/17/2007	0.0031	
1/15/2008	0.0033	
3/5/2008	0.0026	
5/7/2008	0.0028	
12/2/2008	0.0029	
4/16/2009	0.0035	
10/20/2009	0.0056	
4/20/2010	<0.025	
9/29/2010	<0.025	
4/12/2011	<0.025	
10/4/2011	<0.025	
4/4/2012	<0.025	
10/10/2012	<0.025	
4/15/2013	<0.025	
10/22/2013	<0.025	
4/21/2014	<0.025	
9/30/2014	<0.025	
4/3/2015	<0.025	
10/7/2015	0.0012 (J)	
4/5/2016	<0.025	
8/9/2016	<0.025	
4/11/2017	<0.025	
10/5/2017	<0.025	
3/22/2018	<0.025	
9/19/2018	<0.025	
3/22/2019		<0.025
9/17/2019		<0.025
3/13/2020		<0.025
9/21/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	0.021	
11/2/2007	0.0037	
11/18/2007	0.007 (J)	
1/15/2008	0.0055	
3/10/2008	0.0042	
5/13/2008	<0.025	
12/2/2008	0.0039	
4/28/2009	<0.025	
10/20/2009	<0.025	
4/27/2010	<0.025	
10/5/2010	<0.025	
4/19/2011	<0.025	
10/12/2011	<0.025	
4/25/2012	<0.025	
10/10/2012	<0.025	
4/16/2013	<0.025	
10/22/2013	<0.025	
4/21/2014	0.005 (J)	
9/30/2014	<0.025	
4/3/2015	<0.025	
10/6/2015	<0.025	
4/5/2016	<0.025	
4/11/2017	0.0003 (J)	
10/6/2017	<0.025	
3/23/2018	<0.025	
9/19/2018	<0.025	
3/22/2019		<0.025
9/17/2019		<0.025
3/13/2020		0.0002 (J)
9/21/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0064	
10/25/2007	0.0081	
11/19/2007	0.0059	
1/23/2008	0.018	
3/11/2008	0.027	
5/12/2008	0.016	
12/11/2008	0.016	
4/15/2009	0.017	
10/9/2009	0.045	
5/4/2010	0.031	
10/12/2010	0.024	
4/28/2011	0.0044	
10/19/2011	0.038	
5/2/2012	0.0865 (O)	
10/9/2012	0.053	
4/11/2013	0.04	
10/16/2013	0.054	
4/23/2014	0.054	
10/3/2014	0.066	
3/31/2015	0.025	
10/12/2015	0.018	
3/28/2016	0.0256	
8/1/2016	0.0178 (J)	
4/3/2017	0.0272	
10/3/2017	0.0239 (J)	
3/19/2018	0.021 (J)	
9/17/2018	0.018 (J)	
3/20/2019		0.023 (J)
9/16/2019		0.016 (J)
3/16/2020		0.012 (J)
9/16/2020		0.017 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	0.0033	
10/25/2007	<0.025	
11/20/2007	0.0052	
1/23/2008	0.0069	
3/11/2008	0.0029	
5/14/2008	0.0035	
12/11/2008	<0.025	
4/23/2009	0.0038	
10/9/2009	0.0032	
5/4/2010	<0.025	
10/11/2010	0.0029	
4/26/2011	<0.025	
10/18/2011	<0.025	
5/2/2012	<0.025	
10/8/2012	<0.025	
4/10/2013	<0.025	
10/8/2013	<0.025	
4/14/2014	0.005 (J)	
10/3/2014	0.00091 (J)	
4/1/2015	0.0011 (J)	
10/9/2015	<0.025	
3/29/2016	<0.025	
8/1/2016	<0.025	
4/6/2017	<0.025	
10/3/2017	<0.025	
3/19/2018	<0.025	
9/17/2018	<0.025	
3/21/2019		0.0018 (J)
9/16/2019		<0.025
3/12/2020		<0.025
9/16/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	<0.025	
4/6/2017	0.0004 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.025	
9/18/2018	<0.025	
3/21/2019		<0.025
9/13/2019		0.00025 (J)
3/12/2020		0.00021 (J)
9/16/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.025	
6/18/2015	0.005 (D)	
7/2/2015	<0.025	
10/8/2015	0.00091 (J)	
3/22/2016	<0.025	
8/2/2016	<0.025	
4/7/2017	<0.025	
10/3/2017	0.0003 (J)	
3/20/2018	<0.025	
9/18/2018	<0.025	
5/6/2019		<0.025
9/16/2019		<0.025
3/16/2020		0.00024 (J)
9/17/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.025	
11/1/2007	0.0047	
11/19/2007	0.0067 (J)	
1/15/2008	0.01	
3/6/2008	0.007	
5/13/2008	<0.025	
12/12/2008	0.0048	
4/16/2009	0.0042	
10/13/2009	0.0034	
4/21/2010	<0.025	
9/29/2010	<0.025	
4/13/2011	<0.025	
10/5/2011	<0.025	
4/4/2012	<0.025	
10/8/2012	<0.025	
4/8/2013	<0.025	
10/9/2013	<0.025	
4/9/2014	<0.025	
9/30/2014	<0.025	
4/2/2015	<0.025	
10/10/2015	0.00345 (D)	
3/30/2016	<0.025	
8/5/2016	<0.025	
4/6/2017	0.0003 (J)	
10/3/2017	<0.025	
3/20/2018	<0.025	
9/18/2018	<0.025 (D)	
3/21/2019		<0.025
9/16/2019		0.00021 (J)
3/12/2020		0.00031 (J)
9/17/2020		<0.025

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	<0.005	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/23/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	0.0001 (J)	
11/10/2016	<0.005	
1/30/2017	<0.005	
4/7/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019		<0.005
9/13/2019		<0.005
3/11/2020		<0.005
9/16/2020		9.3E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/22/2019		<0.005
9/17/2019		4.7E-05 (J)
3/12/2020		<0.005
9/17/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	9E-05 (J)	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019		<0.005
9/17/2019		4.6E-05 (J)
3/12/2020		5.2E-05 (J)
9/21/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	0.0001 (J)	
9/29/2016	0.0001 (J)	
11/28/2016	<0.005	
2/9/2017	0.0001 (J)	
4/12/2017	<0.005	
6/16/2017	0.0002 (J)	
10/9/2017	0.0001 (J)	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019		<0.005
9/18/2019		0.0002 (J)
3/13/2020		0.00013 (J)
9/22/2020		0.00015 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/16/2009	<0.005	
10/20/2009	<0.005	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	0.0002 (J)	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/13/2020		<0.005
9/21/2020		0.00023 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	<0.005	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019		<0.005
9/17/2019		<0.005
3/13/2020		4.8E-05 (J)
9/21/2020		7.5E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019		<0.005
9/16/2019		<0.005
3/16/2020		5.1E-05 (J)
9/16/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.005	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	0.0003 (J)	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	7E-05 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019		<0.005
9/16/2019		0.0001 (J)
3/12/2020		0.0001 (J)
9/16/2020		0.00012 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/1/2017	0.0001 (J)	
4/6/2017	0.0002 (J)	
6/13/2017	<0.005	
7/14/2017	<0.005	
10/3/2017	9E-05 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019		<0.005
9/13/2019		<0.005
3/12/2020		8.2E-05 (J)
9/16/2020		0.00011 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	0.0002 (J)	
9/26/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/3/2017	0.0002 (J)	
4/7/2017	0.0002 (J)	
6/13/2017	0.0002 (J)	
10/3/2017	0.0002 (J)	
3/20/2018	0.00042 (J)	
9/18/2018	<0.005	
5/6/2019		0.00032 (J)
9/16/2019		5.4E-05 (J)
3/16/2020		0.00016 (J)
9/17/2020		6.5E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	<0.005	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	0.0012	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	0.0001 (J)	
9/28/2016	0.0002 (J)	
11/21/2016	0.0002 (J)	
2/6/2017	0.0001 (J)	
4/6/2017	0.0001 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019		<0.005
9/16/2019		6.1E-05 (J)
3/12/2020		0.00016 (J)
9/17/2020		7.9E-05 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.0005	
4/23/2009	<0.0005	
10/6/2009	<0.0005	
4/27/2010	<0.0005	
9/30/2010	<0.0005	
4/14/2011	<0.0005	
10/5/2011	<0.0005	
4/11/2012	<0.0005	
10/2/2012	<0.0005	
4/9/2013	<0.0005	
10/15/2013	<0.0005	
4/10/2014	<0.0005	
10/1/2014	<0.0005	
3/30/2015	2.02E-05 (J)	
10/11/2015	<0.0005	
3/28/2016	<0.0005	
5/23/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/10/2016	<0.0005	
1/30/2017	<0.0005	
4/7/2017	<0.0005	
6/12/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	<0.0005	
3/19/2019		<0.0005
9/13/2019		<0.0005
3/11/2020		<0.0005
9/16/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/18/2007	<0.0005	
1/30/2008	<0.0005	
3/5/2008	<0.0005	
5/7/2008	0.000181	
12/14/2008	<0.0005	
4/29/2009	<0.0005	
10/22/2009	<0.0005	
4/21/2010	<0.0005	
9/28/2010	<0.0005	
4/12/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
10/3/2012	<0.0005	
4/3/2013	<0.0005	
10/9/2013	<0.0005	
4/2/2014	0.0002 (J)	
10/2/2014	<0.0005	
4/1/2015	<0.0005	
10/11/2015	<0.0005	
4/4/2016	<0.0005	
5/26/2016	<0.0005	
8/3/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/8/2017	<0.0005	
4/10/2017	<0.0005	
6/15/2017	<0.0005	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019		<0.0005
9/17/2019		<0.0005
3/12/2020		<0.0005
9/21/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/19/2007	<0.0005	
1/16/2008	<0.0005	
3/5/2008	<0.0005	
5/13/2008	<0.0005	
12/13/2008	<0.0005	
4/16/2009	<0.0005	
10/21/2009	<0.0005	
4/27/2010	<0.0005	
10/5/2010	<0.0005	
4/19/2011	<0.0005	
10/12/2011	<0.0005	
4/24/2012	<0.0005	
10/2/2012	<0.0005	
4/2/2013	<0.0005	
10/9/2013	<0.0005	
4/1/2014	0.0002 (J)	
10/2/2014	<0.0005	
4/1/2015	<0.0005	
10/14/2015	<0.0005	
4/4/2016	<0.0005	
5/27/2016	<0.0005	
8/3/2016	<0.0005	
9/30/2016	<0.0005	
11/22/2016	8E-05 (J)	
2/13/2017	<0.0005	
4/11/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/22/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019		<0.0005
9/17/2019		<0.0005 (D)
3/12/2020		<0.0005
9/21/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/19/2007	<0.0005	
1/31/2008	<0.0005	
3/5/2008	<0.0005	
5/12/2008	<0.0005	
12/13/2008	<0.0005	
4/28/2009	<0.0005	
10/21/2009	<0.0005	
4/28/2010	<0.0005	
10/5/2010	<0.0005	
4/19/2011	<0.0005	
10/18/2011	<0.0005	
4/25/2012	<0.0005	
10/2/2012	<0.0005	
4/2/2013	<0.0005	
10/8/2013	<0.0005	
4/1/2014	0.0002 (J)	
10/1/2014	<0.0005	
4/1/2015	<0.0005	
10/15/2015	<0.0005	
4/4/2016	<0.0005	
5/31/2016	<0.0005	
8/4/2016	<0.0005	
9/29/2016	<0.0005	
11/28/2016	<0.0005	
2/9/2017	<0.0005	
4/12/2017	<0.0005	
6/16/2017	<0.0005	
10/9/2017	<0.0005	
3/21/2018	<0.0005	
9/19/2018	<0.0005	
3/23/2019		<0.0005
9/18/2019		<0.0005
3/13/2020		<0.0005
9/22/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	<0.0005	
11/2/2007	<0.0005	
11/18/2007	<0.0005	
1/15/2008	<0.0005	
3/10/2008	<0.0005	
5/13/2008	<0.0005	
12/2/2008	<0.0005	
4/28/2009	<0.0005	
10/20/2009	<0.0005	
4/27/2010	<0.0005	
10/5/2010	<0.0005	
4/19/2011	<0.0005	
10/12/2011	<0.0005	
4/25/2012	<0.0005	
10/10/2012	<0.0005	
4/16/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/6/2015	<0.0005	
4/5/2016	<0.0005	
5/31/2016	<0.0005	
11/23/2016	6E-05 (J)	
2/10/2017	<0.0005	
4/11/2017	<0.0005	
6/15/2017	<0.0005	
7/12/2017	<0.0005	
7/26/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/22/2019		<0.0005
9/17/2019		<0.0005
3/13/2020		<0.0005
9/21/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.0005	
10/25/2007	<0.0005	
11/19/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/12/2008	<0.0005	
12/11/2008	<0.0005	
4/15/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/12/2010	<0.0005	
4/28/2011	<0.0005	
10/19/2011	<0.0005	
5/2/2012	<0.0005	
10/9/2012	<0.0005	
4/11/2013	<0.0005	
10/16/2013	<0.0005	
4/23/2014	<0.0005	
10/3/2014	3.71E-05 (J)	
3/31/2015	<0.0005	
10/12/2015	<0.0005	
3/28/2016	<0.0005	
5/25/2016	<0.0005	
8/1/2016	<0.0005	
9/27/2016	<0.0005	
11/11/2016	<0.0005	
1/31/2017	<0.0005	
4/3/2017	<0.0005	
6/12/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/20/2019		<0.0005
9/16/2019		<0.0005
3/16/2020		<0.0005
9/16/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.0005	
10/25/2007	<0.0005	
11/20/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/14/2008	<0.0005	
12/11/2008	<0.0005	
4/23/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/11/2010	<0.0005	
4/26/2011	<0.0005	
10/18/2011	<0.0005	
5/2/2012	<0.0005	
10/8/2012	<0.0005	
4/10/2013	<0.0005	
10/8/2013	<0.0005	
4/14/2014	<0.0005	
10/3/2014	3.29E-05 (J)	
4/1/2015	<0.0005	
10/9/2015	<0.0005	
3/29/2016	<0.0005	
5/24/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/18/2016	<0.0005	
2/1/2017	<0.0005	
4/6/2017	<0.0005	
6/13/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/21/2019		<0.0005
9/16/2019		<0.0005
3/12/2020		<0.0005
9/16/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.028	
11/2/2007	0.041	
11/18/2007	0.14 (o)	
1/31/2008	0.053	
3/11/2008	0.076	
5/14/2008	0.074	
12/5/2008	0.032	
4/15/2009	0.028	
10/8/2009	0.032	
4/28/2010	0.029	
10/6/2010	0.031	
4/21/2011	0.019	
10/13/2011	0.028	
5/1/2012	0.0253	
10/9/2012	0.023	
4/11/2013	0.021	
10/16/2013	0.018	
4/23/2014	0.015	
10/4/2014	0.017	
3/31/2015	0.045	
10/12/2015	0.019	
3/23/2016	0.019	
7/29/2016	0.0161	
3/30/2017	0.018	
10/4/2017	0.0158	
3/19/2018	0.015	
9/17/2018	0.014	
3/20/2019		0.01
9/13/2019		0.012
3/11/2020		0.012

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.0035	
4/23/2009	0.0032	
10/6/2009	<0.01	
4/27/2010	<0.01	
9/30/2010	<0.01	
4/14/2011	0.0028	
10/5/2011	0.0028	
4/11/2012	<0.01	
10/2/2012	0.0026	
4/9/2013	<0.01	
10/15/2013	<0.01	
4/10/2014	0.0025 (J)	
10/1/2014	<0.01	
3/30/2015	0.0015 (J)	
10/11/2015	0.0013 (J)	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/7/2017	0.0011 (J)	
10/2/2017	0.0013 (J)	
3/16/2018	<0.01	
9/17/2018	0.00096 (J)	
3/19/2019		<0.01
9/13/2019		0.00063 (J)
3/11/2020		0.00084 (J)
9/16/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	0.0042	
11/20/2007	0.026	
1/30/2008	0.032	
3/6/2008	0.019	
5/12/2008	0.0072	
12/13/2008	0.024	
4/29/2009	0.0026	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	0.0042	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	0.004	
4/3/2013	0.0028	
10/15/2013	0.0036	
4/9/2014	0.0025 (J)	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	0.0016 (J)	
9/18/2018	<0.01	
3/22/2019		0.0022 (J)
9/17/2019		<0.01
3/12/2020		0.0015 (J)
9/17/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.0087	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	0.0042	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.0025 (J)	
10/2/2014	0.0016 (J)	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0047	
1/16/2008	0.029	
3/5/2008	0.023	
5/13/2008	0.0032	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.003	
10/9/2013	<0.01	
4/1/2014	0.0025 (J)	
10/2/2014	<0.01	
4/1/2015	0.0014 (J)	
10/14/2015	0.0021 (J)	
4/4/2016	0.00264 (J)	
8/3/2016	<0.01	
4/11/2017	0.0027 (J)	
10/4/2017	0.0022 (J)	
3/22/2018	0.0025 (J)	
9/18/2018	0.0024 (J)	
3/23/2019		0.0026 (J)
9/17/2019		0.0033 (JD)
3/12/2020		0.0022 (J)
9/21/2020		0.0019 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.0076	
11/1/2007	0.0043	
11/19/2007	0.0061	
1/31/2008	0.015	
3/5/2008	<0.01	
5/12/2008	0.0035	
12/13/2008	0.0079	
4/28/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/18/2011	0.0031	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
4/1/2015	<0.01	
10/15/2015	<0.01	
4/4/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	<0.01	
3/23/2019		<0.01
9/18/2019		0.00046 (J)
3/13/2020		<0.01
9/22/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	<0.01	
11/2/2007	0.0029	
11/17/2007	0.0086	
1/15/2008	0.011	
3/5/2008	0.0072	
5/7/2008	0.0045	
12/2/2008	0.011	
4/16/2009	0.0061	
10/20/2009	0.01	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/9/2016	0.0021 (J)	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	0.00096 (J)	
3/22/2019		<0.01
9/17/2019		0.0007 (X)
3/13/2020		0.00078 (J)
9/21/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	0.0088 (J)	
1/15/2008	0.019	
3/10/2008	0.017	
5/13/2008	0.0058	
12/2/2008	0.0043	
4/28/2009	<0.01	
10/20/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/6/2015	<0.01	
4/5/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0069	
10/25/2007	0.038	
11/19/2007	0.025	
1/23/2008	0.047	
3/11/2008	0.042	
5/12/2008	0.031	
12/11/2008	0.027	
4/15/2009	0.025	
10/9/2009	0.051	
5/4/2010	0.025	
10/12/2010	0.024	
4/28/2011	0.01	
10/19/2011	0.03	
5/2/2012	0.0429	
10/9/2012	0.033	
4/11/2013	0.02	
10/16/2013	0.028	
4/23/2014	0.024	
10/3/2014	0.032	
3/31/2015	0.012	
10/12/2015	0.012	
3/28/2016	0.0172	
8/1/2016	0.0113	
4/3/2017	0.0114	
10/3/2017	0.0098 (J)	
3/19/2018	0.0092 (J)	
9/17/2018	0.0085 (J)	
3/20/2019		0.008 (J)
9/16/2019		0.008 (J)
3/16/2020		0.015
9/16/2020		0.0075 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.0028	
11/20/2007	0.012	
1/23/2008	0.046 (o)	
3/11/2008	0.0091	
5/14/2008	0.022	
12/11/2008	0.005	
4/23/2009	0.0031	
10/9/2009	0.0053	
5/4/2010	<0.01	
10/11/2010	0.0042	
4/26/2011	0.0051	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	0.0025	
4/14/2014	0.0025 (J)	
10/3/2014	0.0021 (J)	
4/1/2015	0.0026	
10/9/2015	<0.01	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	0.0005 (J)	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01
9/16/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	0.0011 (J)	
4/6/2017	0.0011 (J)	
10/3/2017	0.0012 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		0.00099 (J)
9/13/2019		0.00061 (J)
3/12/2020		0.00078 (J)
9/16/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.002 (J)	
6/18/2015	0.0025 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	0.0007 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01
9/16/2019		<0.01
3/16/2020		0.0006 (J)
9/17/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	0.0046	
11/1/2007	0.0057	
11/19/2007	0.014 (J)	
1/15/2008	0.057 (o)	
3/6/2008	0.046 (o)	
5/13/2008	0.0069	
12/12/2008	0.0061	
4/16/2009	0.0067 (J)	
10/13/2009	0.0054	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0029	
4/9/2014	0.0025 (J)	
9/30/2014	<0.01	
4/2/2015	0.0016 (J)	
10/10/2015	0.00295 (D)	
3/30/2016	0.00116 (J)	
8/5/2016	<0.01	
4/6/2017	0.001 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00097 (J)	
9/18/2018	<0.01 (D)	
3/21/2019		0.001 (J)
9/16/2019		0.00062 (J)
3/12/2020		0.0011 (J)
9/17/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/12/2008	<0.01	
12/13/2008	<0.01	
4/28/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/18/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
4/1/2015	<0.01	
10/15/2015	0.0055	
4/4/2016	0.00286 (J)	
5/31/2016	0.00303 (J)	
8/4/2016	0.005 (J)	
9/29/2016	0.0074 (J)	
11/28/2016	0.0073 (J)	
2/9/2017	0.0067 (J)	
4/12/2017	0.0048 (J)	
6/16/2017	0.007 (J)	
10/9/2017	0.0048 (J)	
3/21/2018	0.0021 (J)	
9/19/2018	0.0019 (J)	
3/23/2019		<0.01
9/18/2019		0.0018 (J)
3/13/2020		0.0019 (J)
9/22/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/16/2009	<0.01	
10/20/2009	<0.01	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
6/1/2016	<0.01	
8/9/2016	<0.01	
11/28/2016	<0.01	
2/9/2017	<0.01	
4/11/2017	<0.01	
6/14/2017	<0.01	
7/12/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		0.0016 (J)
9/21/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	<0.01	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	<0.01	
3/11/2008	<0.01	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	0.015 (o)	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	0.0054	
4/11/2013	0.0072	
10/16/2013	<0.01	
4/23/2014	0.0067	
10/3/2014	<0.01	
3/31/2015	<0.01	
10/12/2015	<0.01	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/27/2016	<0.01	
11/11/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/16/2019		<0.01
3/16/2020		<0.01
9/16/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/13/2008	<0.01	
12/12/2008	<0.01	
4/16/2009	<0.01	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01 (D)	
3/30/2016	0.00202 (J)	
5/26/2016	<0.01	
8/5/2016	<0.01	
9/28/2016	<0.01	
11/21/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/13/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	<0.01	
4/23/2009	<0.01	
10/6/2009	<0.01	
4/27/2010	<0.01	
9/30/2010	<0.01	
4/14/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/2/2012	<0.01	
4/9/2013	<0.01	
10/15/2013	<0.01	
4/10/2014	0.0025 (J)	
10/1/2014	<0.01	
3/30/2015	<0.01	
10/11/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	0.0004 (J)	
4/7/2017	0.0005 (J)	
10/2/2017	0.0006 (J)	
3/16/2018	<0.01	
9/17/2018	<0.01	
3/19/2019		<0.01
9/13/2019		0.00045 (J)
3/11/2020		0.00039 (J)
9/16/2020		0.00042 (J)

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/16/2008	<0.01	
3/5/2008	0.0046	
5/13/2008	<0.01	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	<0.01	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01 (D)
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
10/6/2015	0.0005 (D)	
4/5/2016	0.00971 (o)	
5/31/2016	0.000373 (J)	
11/23/2016	<0.001	
2/10/2017	<0.001	
4/11/2017	<0.001	
6/15/2017	<0.001	
7/12/2017	<0.001	
7/26/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/22/2019		<0.001
9/17/2019		<0.001
3/13/2020		<0.001
9/21/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
10/12/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/27/2016	<0.001	
11/11/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019		<0.001
9/16/2019		8.4E-05 (J)
3/16/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/18/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	5E-05 (J)	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019		<0.001
9/16/2019		<0.001
3/12/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/21/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	<0.001	
6/13/2017	<0.001	
7/14/2017	<0.001	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/21/2019		<0.001
9/13/2019		5.7E-05 (J)
3/12/2020		0.00022 (J)
9/16/2020		0.00019 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
10/8/2015	0.0001 (D)	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	<0.001	
9/26/2016	<0.001	
11/21/2016	<0.001	
2/3/2017	<0.001	
4/7/2017	<0.001	
6/13/2017	7E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
5/6/2019		<0.001
9/16/2019		<0.001
3/16/2020		<0.001
9/17/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	0.0046	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/14/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/4/2014	<0.01	
3/31/2015	0.0023 (J)	
10/12/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/13/2019		<0.01
3/11/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	<0.01	
11/20/2007	0.0034	
1/30/2008	0.005	
3/6/2008	0.0032	
5/12/2008	<0.01	
12/13/2008	0.0082	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.0029	
12/14/2008	0.0026	
4/29/2009	<0.01	
10/22/2009	0.0026	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/16/2008	0.0071	
3/5/2008	0.0031	
5/13/2008	<0.01	
12/13/2008	<0.01	
4/16/2009	0.0037	
10/21/2009	0.0047	
4/27/2010	0.0082	
10/5/2010	<0.01	
4/19/2011	0.0036	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	0.0022 (J)	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01 (D)
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0035	
1/31/2008	0.0039	
3/5/2008	<0.01	
5/12/2008	0.0064	
12/13/2008	0.02 (o)	
4/28/2009	0.0039	
10/21/2009	0.0037	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/18/2011	0.0037	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
4/1/2015	0.0019 (J)	
10/15/2015	<0.01	
4/4/2016	0.00211 (J)	
8/4/2016	<0.01	
4/12/2017	0.0016 (J)	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	0.0022 (J)	
3/23/2019		<0.01
9/18/2019		<0.01
3/13/2020		0.002 (J)
9/22/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	0.012	
11/2/2007	<0.01	
11/17/2007	0.0043	
1/15/2008	0.0037	
3/5/2008	0.0049	
5/7/2008	<0.01	
12/2/2008	0.0097	
4/16/2009	0.0061	
10/20/2009	0.0092	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.001 (J)	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/9/2016	<0.01	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	0.0027	
11/2/2007	0.012	
11/18/2007	0.016 (J)	
1/15/2008	0.018	
3/10/2008	0.014	
5/13/2008	0.013	
12/2/2008	0.016	
4/28/2009	0.016	
10/20/2009	0.021	
4/27/2010	0.012	
10/5/2010	0.011	
4/19/2011	0.012	
10/12/2011	0.0031	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.0016 (J)	
10/6/2015	0.002 (J)	
4/5/2016	0.00036 (J)	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/13/2020		0.00095 (J)
9/21/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.0032	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	<0.01	
3/11/2008	<0.01	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/3/2014	0.00097 (J)	
3/31/2015	0.00096 (J)	
10/12/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019		<0.01
9/16/2019		<0.01
3/16/2020		<0.01
9/16/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	<0.01	
11/20/2007	<0.01	
1/23/2008	0.007	
3/11/2008	0.0033	
5/14/2008	0.0043	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0043	
5/4/2010	0.0027	
10/11/2010	0.0034	
4/26/2011	<0.01	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	<0.01	
4/14/2014	0.005 (J)	
10/3/2014	0.0016 (J)	
4/1/2015	0.0021 (J)	
10/9/2015	<0.01	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01
9/16/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	<0.01	
6/18/2015	0.005 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019		<0.01
9/16/2019		<0.01
3/16/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0052	
1/15/2008	0.0065	
3/6/2008	0.0028	
5/13/2008	<0.01	
12/12/2008	<0.01	
4/16/2009	0.0033	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.0032 (D)	
3/30/2016	<0.01	
8/5/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019		<0.01
9/16/2019		<0.01
3/12/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
8/23/2007	0.066	
11/2/2007	0.055	
11/18/2007	0.13	
1/31/2008	0.13	
3/11/2008	0.07	
5/14/2008	0.12	
12/5/2008	0.088	
4/15/2009	0.068	
10/8/2009	0.075	
4/28/2010	0.071	
10/6/2010	0.074	
4/21/2011	0.047	
10/13/2011	0.073	
5/1/2012	0.0652	
10/9/2012	0.061	
4/11/2013	0.053	
10/16/2013	0.047	
4/23/2014	0.041	
10/4/2014	0.044 (V)	
3/31/2015	0.12	
10/12/2015	0.053	
3/23/2016	0.0532	
7/29/2016	0.0446	
3/30/2017	0.0479	
10/4/2017	0.0429	
3/19/2018	<0.04	
9/17/2018	0.04	
3/20/2019		0.028
9/13/2019		0.036
3/11/2020		0.031

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
12/12/2008	0.048 (o)	
4/23/2009	0.0075	
10/6/2009	0.0075	
4/27/2010	0.0051	
9/30/2010	0.0089	
4/14/2011	0.0043	
10/5/2011	0.0051	
4/11/2012	<0.02	
10/2/2012	0.006	
4/9/2013	0.0034	
10/15/2013	0.0042	
4/10/2014	0.0035	
10/1/2014	0.0019 (J)	
3/30/2015	0.0032	
10/11/2015	0.0048	
3/28/2016	0.00282 (J)	
8/1/2016	<0.02	
4/7/2017	<0.02	
10/2/2017	0.0015 (J)	
3/16/2018	<0.02	
9/17/2018	<0.02	
3/19/2019		<0.02
9/13/2019		0.0061 (J)
3/11/2020		0.0025 (J)
9/16/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
8/21/2007	0.031	
11/1/2007	0.0041	
11/20/2007	0.056	
1/30/2008	0.032	
3/6/2008	0.03	
5/12/2008	0.008	
12/13/2008	0.056	
4/29/2009	0.057	
10/20/2009	0.0037	
4/26/2010	<0.02	
9/29/2010	0.012	
4/13/2011	<0.02	
10/5/2011	0.0031	
4/4/2012	<0.02	
10/3/2012	0.0085	
4/3/2013	0.0061	
10/15/2013	0.008	
4/9/2014	0.0048	
10/2/2014	0.0023 (JV)	
4/2/2015	0.0023 (J)	
10/10/2015	0.0024 (J)	
3/31/2016	<0.02	
8/5/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0012 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02	
3/22/2019		<0.02
9/17/2019		0.0052 (J)
3/12/2020		0.0024 (J)
9/17/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
8/21/2007	<0.02	
11/1/2007	<0.02	
11/18/2007	<0.02	
1/30/2008	<0.02	
3/5/2008	<0.02	
5/7/2008	0.015	
12/14/2008	0.0086 (J)	
4/29/2009	0.0037	
10/22/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.0042	
4/12/2011	<0.02	
10/4/2011	0.012	
4/3/2012	<0.02	
10/3/2012	<0.02	
4/3/2013	<0.02	
10/9/2013	<0.02	
4/2/2014	0.0063	
10/2/2014	0.0023 (J)	
4/1/2015	0.0017 (J)	
10/11/2015	0.0016 (J)	
4/4/2016	<0.02	
8/3/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0014 (J)	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/23/2019		<0.02
9/17/2019		0.0056 (J)
3/12/2020		0.0038 (J)
9/21/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
8/21/2007	0.036	
11/1/2007	0.0041	
11/19/2007	0.015	
1/16/2008	0.074	
3/5/2008	0.055	
5/13/2008	0.035	
12/13/2008	0.012 (J)	
4/16/2009	0.053	
10/21/2009	0.0063	
4/27/2010	0.045	
10/5/2010	0.0047	
4/19/2011	0.0068	
10/12/2011	0.0048	
4/24/2012	<0.0104	
10/2/2012	<0.0104	
4/2/2013	0.0081	
10/9/2013	0.0032	
4/1/2014	0.0025 (J)	
10/2/2014	0.0023 (J)	
4/1/2015	0.0035	
10/14/2015	0.0066	
4/4/2016	0.00858 (J)	
8/3/2016	<0.0104	
4/11/2017	<0.0104	
10/4/2017	0.0104	
3/22/2018	0.014	
9/18/2018	0.013	
3/23/2019		0.012
9/17/2019		0.018 (D)
3/12/2020		0.015
9/21/2020		0.0065 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
8/21/2007	0.0064	
11/1/2007	<0.02	
11/19/2007	0.015	
1/31/2008	0.032 (o)	
3/5/2008	0.0061	
5/12/2008	0.012	
12/13/2008	0.087 (o)	
4/28/2009	0.067 (o)	
10/21/2009	0.025 (o)	
4/28/2010	0.014	
10/5/2010	0.012	
4/19/2011	0.012	
10/18/2011	0.025	
4/25/2012	0.014	
10/2/2012	0.0089	
4/2/2013	0.0082	
10/8/2013	0.015	
4/1/2014	0.0074	
10/1/2014	0.00077 (J)	
4/1/2015	0.0082	
10/15/2015	0.0082	
4/4/2016	0.00818 (J)	
8/4/2016	<0.02	
4/12/2017	<0.02	
10/9/2017	<0.02	
3/21/2018	<0.02	
9/19/2018	<0.02	
3/23/2019		0.021
9/18/2019		0.007 (J)
3/13/2020		0.0043 (J)
9/22/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
8/24/2007	0.0036 (J)	
11/2/2007	0.0026 (J)	
11/17/2007	0.024 (o)	
1/15/2008	0.0074	
3/5/2008	0.075 (o)	
5/7/2008	0.0088	
12/2/2008	0.11 (o)	
4/16/2009	0.091 (o)	
10/20/2009	0.056 (o)	
4/20/2010	0.014	
9/29/2010	0.015	
4/12/2011	0.0028	
10/4/2011	0.0025	
4/4/2012	0.0105	
10/10/2012	0.0033	
4/15/2013	0.0031	
10/22/2013	<0.02	
4/21/2014	0.0032	
9/30/2014	0.0015 (J)	
4/3/2015	0.0015 (J)	
10/7/2015	<0.02	
4/5/2016	<0.02	
8/9/2016	0.0016 (J)	
4/11/2017	<0.02	
10/5/2017	0.0024 (J)	
3/22/2018	<0.02	
9/19/2018	<0.02	
3/22/2019		<0.02
9/17/2019		0.0057 (X)
3/13/2020		0.0028 (J)
9/21/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
8/24/2007	0.052 (o)	
11/2/2007	0.01 (J)	
11/18/2007	0.025 (J)	
1/15/2008	0.055 (o)	
3/10/2008	0.018	
5/13/2008	0.0044	
12/2/2008	0.065 (o)	
4/28/2009	0.0037 (J)	
10/20/2009	0.0043	
4/27/2010	<0.02	
10/5/2010	0.0028	
4/19/2011	<0.02	
10/12/2011	<0.02	
4/25/2012	<0.02	
10/10/2012	<0.02	
4/16/2013	0.005	
10/22/2013	0.0028	
4/21/2014	0.0028	
9/30/2014	0.0018 (J)	
4/3/2015	0.0021 (J)	
10/6/2015	<0.02	
4/5/2016	0.00233 (J)	
4/11/2017	<0.02	
10/6/2017	<0.02	
3/23/2018	<0.02	
9/19/2018	<0.02	
3/22/2019		<0.02
9/17/2019		0.0048 (X)
3/13/2020		0.0026 (J)
9/21/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
8/23/2007	0.016	
10/25/2007	0.061	
11/19/2007	0.053	
1/23/2008	0.14	
3/11/2008	0.13	
5/12/2008	0.11	
12/11/2008	0.04 (J)	
4/15/2009	0.11	
10/9/2009	0.15	
5/4/2010	0.077	
10/12/2010	0.077	
4/28/2011	0.032	
10/19/2011	0.11	
5/2/2012	0.138	
10/9/2012	0.097	
4/11/2013	0.047	
10/16/2013	0.098	
4/23/2014	0.066	
10/3/2014	0.13 (V)	
3/31/2015	0.05	
10/12/2015	0.048	
3/28/2016	0.0534	
8/1/2016	0.055	
4/3/2017	0.0436	
10/3/2017	0.0393	
3/19/2018	<0.034	
9/17/2018	0.03	
3/20/2019		0.032
9/16/2019		0.035
3/16/2020		0.047
9/16/2020		0.033

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
8/22/2007	0.04 (o)	
10/25/2007	0.0062	
11/20/2007	0.03 (o)	
1/23/2008	0.048 (o)	
3/11/2008	0.016	
5/14/2008	0.02	
12/11/2008	0.021	
4/23/2009	0.0058 (J)	
10/9/2009	0.055 (o)	
5/4/2010	0.045 (o)	
10/11/2010	0.015	
4/26/2011	0.0067	
10/18/2011	0.0055	
5/2/2012	<0.02	
10/8/2012	0.0043	
4/10/2013	0.0067	
10/8/2013	0.0091	
4/14/2014	0.0063	
10/3/2014	0.0065 (V)	
4/1/2015	0.0059	
10/9/2015	<0.02	
3/29/2016	<0.02	
8/1/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	<0.02	
3/19/2018	<0.02	
9/17/2018	<0.02	
3/21/2019		<0.02
9/16/2019		0.0058 (J)
3/12/2020		0.0042 (J)
9/16/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
8/2/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	<0.02	
3/20/2018	<0.02	
9/18/2018	<0.02	
3/21/2019		<0.02
9/13/2019		0.0053 (J)
3/12/2020		0.0031 (J)
9/16/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
5/26/2015	0.0017 (J)	
6/18/2015	0.0052 (D)	
7/2/2015	0.0027	
10/8/2015	<0.02	
3/22/2016	0.00302 (J)	
8/2/2016	<0.02	
4/7/2017	<0.02	
10/3/2017	0.0022 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02	
5/6/2019		0.0024 (J)
9/16/2019		0.0065 (J)
3/16/2020		0.0073 (J)
9/17/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:00 PM View: Overburden

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
8/23/2007	0.011	
11/1/2007	0.012	
11/19/2007	0.026 (J)	
1/15/2008	0.075 (o)	
3/6/2008	0.051 (o)	
5/13/2008	0.0084	
12/12/2008	0.077 (o)	
4/16/2009	0.064 (o)	
10/13/2009	0.013	
4/21/2010	0.0035	
9/29/2010	0.0085	
4/13/2011	0.0028	
10/5/2011	0.0038	
4/4/2012	0.0126	
10/8/2012	0.0043	
4/8/2013	0.0068	
10/9/2013	0.0082	
4/9/2014	0.0043	
9/30/2014	0.0029	
4/2/2015	0.0056	
10/10/2015	0.0065 (D)	
3/30/2016	0.00388 (J)	
8/5/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	0.0023 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02 (D)	
3/21/2019		0.0024 (J)
9/16/2019		0.0062 (J)
3/12/2020		0.0045 (J)
9/17/2020		<0.02

FIGURE E.

Bedrock Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-11R	0.0044	n/a	9/21/2020	0.0053	Yes	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-4RZ	0.03461	n/a	9/17/2020	0.036	Yes	11	0.02799	0.002333	0	None	No	0.0005486	Param Intra 1 of 2

Bedrock Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.0097	n/a	9/15/2020	0.0061	No	30	n/a	n/a	50	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.0081	n/a	9/15/2020	0.0037	No	30	n/a	n/a	56.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	9/17/2020	0.00087J	No	11	n/a	n/a	63.64	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.003	n/a	9/15/2020	0.00048J	No	26	n/a	n/a	100	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	9/17/2020	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.0044	n/a	9/21/2020	0.0053	Yes	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13RZ	0.00447	n/a	9/22/2020	0.00079J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	9/21/2020	0.0021J	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	9/16/2020	0.003ND	No	14	n/a	n/a	85.71	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	9/17/2020	0.00082J	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	9/15/2020	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	9/15/2020	0.00081J	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.002431	n/a	9/17/2020	0.0011J	No	11	0.0969	0.01324	27.27	Kaplan-Meier	x^(1/3)	0.0005486	Param Intra 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	9/21/2020	0.0012J	No	32	n/a	n/a	50	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-13RZ	0.0066	n/a	9/22/2020	0.00086J	No	30	n/a	n/a	66.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.005	n/a	9/16/2020	0.005ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	9/17/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04054	n/a	9/15/2020	0.019	No	31	0.1451	0.02538	0	None	sqrt(x)	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.04842	n/a	9/15/2020	0.019	No	30	0.02121	0.01224	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.02539	n/a	9/15/2020	0.013	No	30	0.2153	0.03537	0	None	x^(1/3)	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.03461	n/a	9/17/2020	0.036	Yes	11	0.02799	0.002333	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02185	n/a	9/15/2020	0.0089J	No	23	0.01499	0.002959	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.03543	n/a	9/17/2020	0.022	No	32	0.02388	0.005231	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-11R	0.02192	n/a	9/21/2020	0.016	No	32	0.01259	0.004227	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.03156	n/a	9/21/2020	0.021	No	31	0.0244	0.003233	0	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-6RZ	0.01917	n/a	9/16/2020	0.0066J	No	15	0.009456	0.003803	6.667	None	No	0.0005486	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	9/17/2020	0.014	No	20	n/a	n/a	0	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-1	0.003	n/a	9/15/2020	0.003ND	No	14	n/a	n/a	92.86	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-50R	0.003	n/a	9/15/2020	0.000085J	No	14	n/a	n/a	92.86	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-6RZ	0.003	n/a	9/16/2020	0.000067J	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-8RR	0.003	n/a	9/17/2020	0.003ND	No	14	n/a	n/a	92.86	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-1	0.001	n/a	9/15/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.001	n/a	9/17/2020	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.001	n/a	9/21/2020	0.001ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.001	n/a	9/21/2020	0.001ND	No	31	n/a	n/a	87.1	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.038	n/a	9/15/2020	0.01ND	No	30	n/a	n/a	70	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.01	n/a	9/15/2020	0.00086J	No	29	n/a	n/a	65.52	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	9/15/2020	0.01ND	No	31	n/a	n/a	83.87	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.01	n/a	9/15/2020	0.01ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	9/17/2020	0.01ND	No	30	n/a	n/a	80	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11R	0.02073	n/a	9/21/2020	0.0056J	No	21	0.009791	0.004649	4.762	None	No	0.0005486	Param Intra 1 of 2
Chromium (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	31	n/a	n/a	74.19	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	9/21/2020	0.0016J	No	31	n/a	n/a	64.52	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	9/16/2020	0.0023J	No	15	n/a	n/a	33.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8RR	0.01	n/a	9/17/2020	0.00086J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.01	n/a	9/15/2020	0.00048J	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	9/15/2020	0.01ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.01	n/a	9/15/2020	0.001J	No	31	n/a	n/a	100	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.02221	n/a	9/17/2020	0.019	No	11	0.0078	0.005078	9.091	None	No	0.0005486	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.01	n/a	9/15/2020	0.01ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.01	n/a	9/21/2020	0.01ND	No	31	n/a	n/a	93.55	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.01	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.01	n/a	9/17/2020	0.01ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.025	n/a	9/15/2020	0.025ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

Bedrock Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWA-2	0.025	n/a	9/15/2020	0.025ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.025	n/a	9/15/2020	0.025ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4RZ	0.025	n/a	9/17/2020	0.025ND	No	4	n/a	n/a	75	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50R	0.01777	n/a	9/15/2020	0.0031J	No	10	0.005944	0.004014	0	None	No	0.0005486	Param Intra 1 of 2
Copper (mg/L)	GWC-10R	0.025	n/a	9/17/2020	0.025ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13RZ	0.025	n/a	9/22/2020	0.025ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.025	n/a	9/21/2020	0.025ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.025	n/a	9/16/2020	0.025ND	No	10	n/a	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.025	n/a	9/17/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.005	n/a	9/15/2020	0.000093J	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.005	n/a	9/15/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.005	n/a	9/15/2020	0.00005J	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.005	n/a	9/17/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.005	n/a	9/15/2020	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.005	n/a	9/17/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.005	n/a	9/21/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13RZ	0.005	n/a	9/22/2020	0.000071J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.005	n/a	9/21/2020	0.00093J	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.005	n/a	9/16/2020	0.005ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8RR	0.005	n/a	9/17/2020	0.00008J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-2	0.0005	n/a	9/15/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13RZ	0.0005	n/a	9/22/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-15R	0.0005	n/a	9/21/2020	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8RR	0.0005	n/a	9/17/2020	0.0005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	9/15/2020	0.01ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	9/15/2020	0.01ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.01	n/a	9/15/2020	0.0013J	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.01	n/a	9/17/2020	0.01ND	No	4	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50R	0.01209	n/a	9/15/2020	0.0012J	No	10	0.05305	0.01932	10	None	sqrt(x)	0.0005486	Param Intra 1 of 2
Nickel (mg/L)	GWC-10R	0.01	n/a	9/17/2020	0.01ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.01	n/a	9/21/2020	0.0015J	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8RR	0.01	n/a	9/17/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2	0.01	n/a	9/15/2020	0.01ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.01	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004299	n/a	9/15/2020	0.0012J	No	21	0.002202	0.0008907	38.1	Kaplan-Meier	No	0.0005486	Param Intra 1 of 2
Silver (mg/L)	GWC-13RZ	0.01	n/a	9/22/2020	0.01ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-2R	0.001	n/a	9/15/2020	0.001ND	No	13	n/a	n/a	92.31	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-50R	0.001	n/a	9/15/2020	0.001ND	No	12	n/a	n/a	100	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	9/17/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	9/21/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-13RZ	0.001	n/a	9/22/2020	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	9/15/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	9/15/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	9/15/2020	0.01ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.01	n/a	9/17/2020	0.01ND	No	4	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	9/15/2020	0.01ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	9/21/2020	0.01ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-13RZ	0.011	n/a	9/22/2020	0.01ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15R	0.01	n/a	9/21/2020	0.01ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	9/17/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.01974	n/a	9/15/2020	0.02ND	No	24	-5.343	0.6168	29.17	Kaplan-Meier	ln(x)	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWA-2	0.027	n/a	9/15/2020	0.02ND	No	25	n/a	n/a	48	n/a	n/a	0.002832	NP Intra (normality) 1 of 2

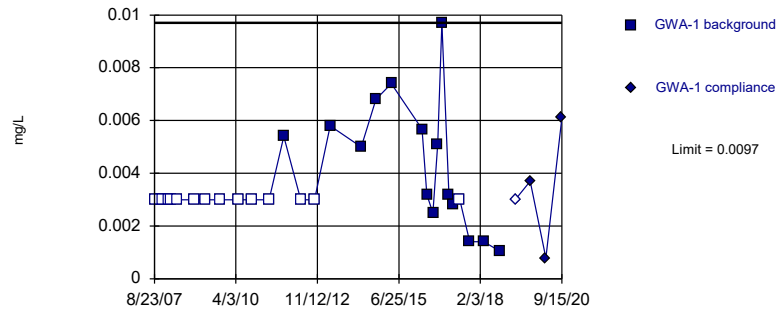
Bedrock Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWA-2R	0.02	n/a	9/15/2020	0.02ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4RZ	0.01	n/a	9/17/2020	0.0047J	No	4	n/a	n/a	100	n/a	n/a	0.06138	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-50R	0.02265	n/a	9/15/2020	0.02ND	No	17	0.009815	0.005207	23.53	Kaplan-Meier	No	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.02	n/a	9/17/2020	0.02ND	No	27	n/a	n/a	40.74	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11R	0.017	n/a	9/21/2020	0.0037J	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-13RZ	0.01293	n/a	9/22/2020	0.02ND	No	23	-5.434	0.4686	30.43	Kaplan-Meier	ln(x)	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-15R	0.01063	n/a	9/21/2020	0.0036J	No	25	0.004906	0.002508	20	Kaplan-Meier	No	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-6RZ	0.0115	n/a	9/16/2020	0.02ND	No	10	0.1406	0.02888	40	Kaplan-Meier	x^(1/3)	0.0005486	Param Intra 1 of 2
Zinc (mg/L)	GWC-8RR	0.02	n/a	9/17/2020	0.02ND	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP Intra (normality) 1 of 2

Within Limit

Prediction Limit
 Intrawell Non-parametric

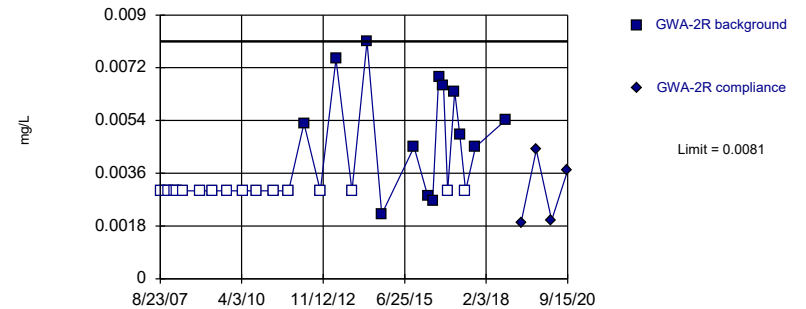


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 50% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

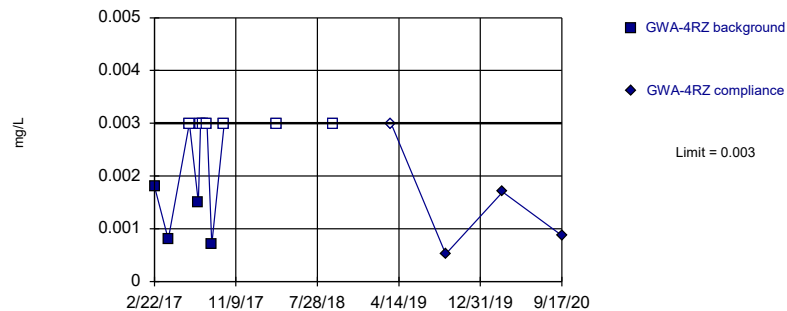


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 56.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

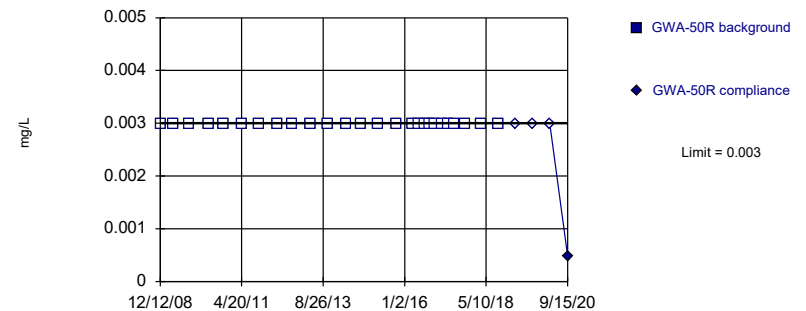


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

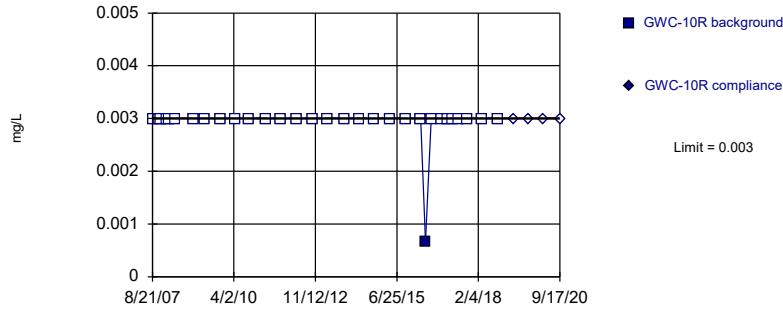


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

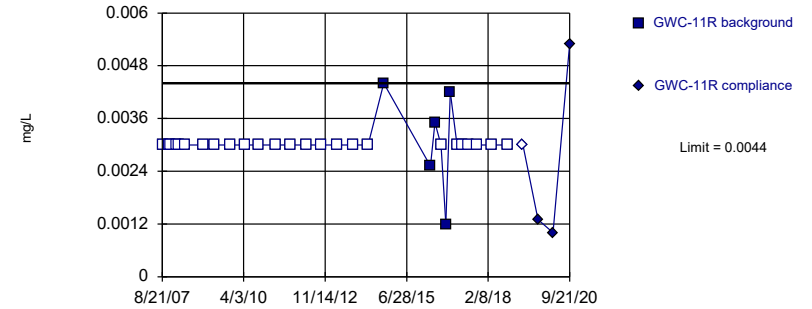


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

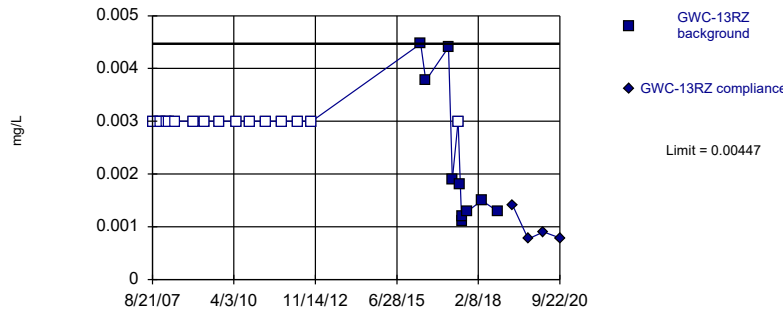


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

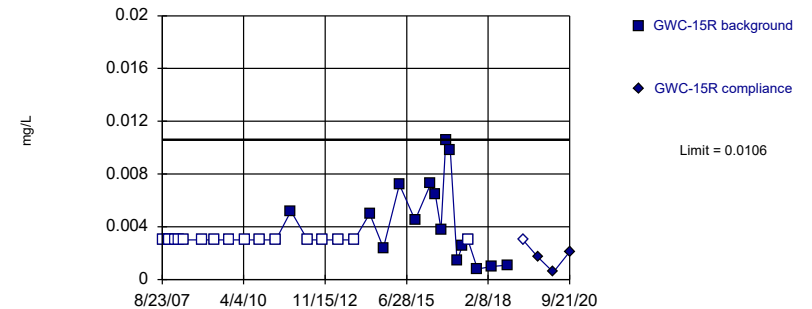


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

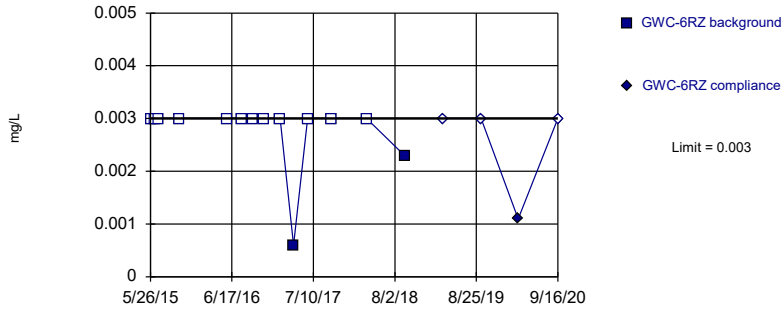


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

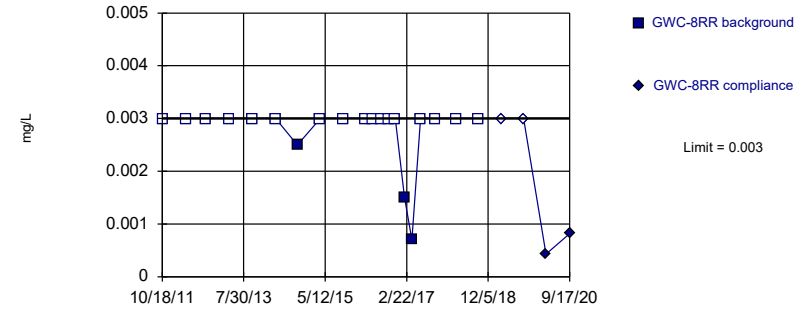


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

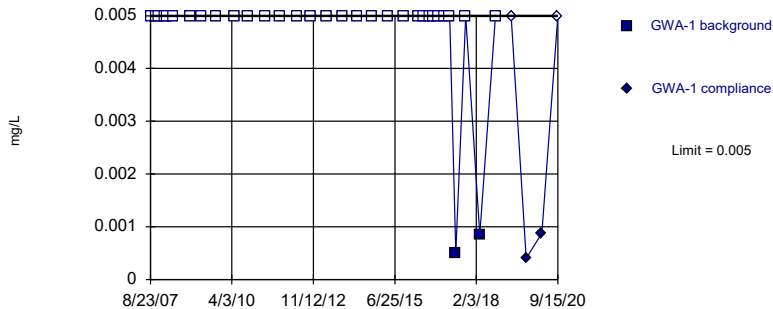


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

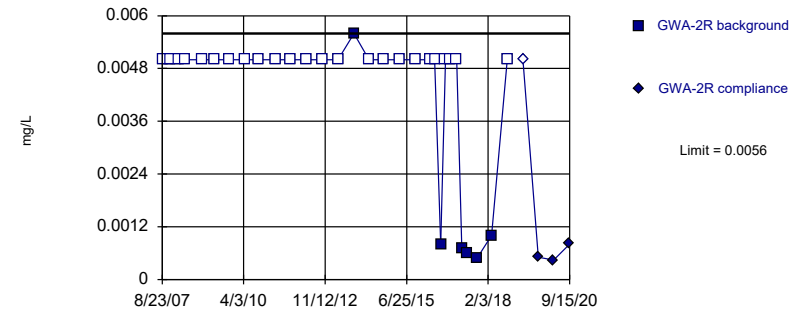


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

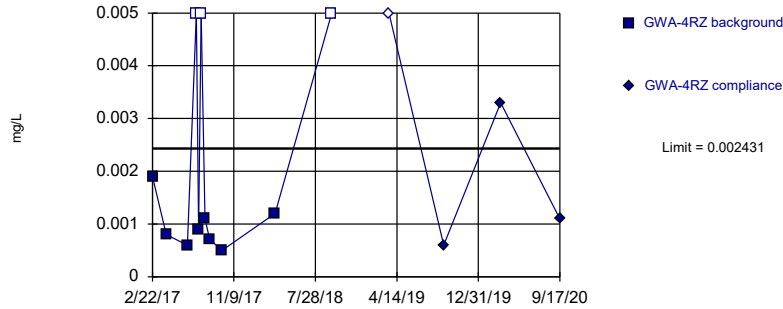


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

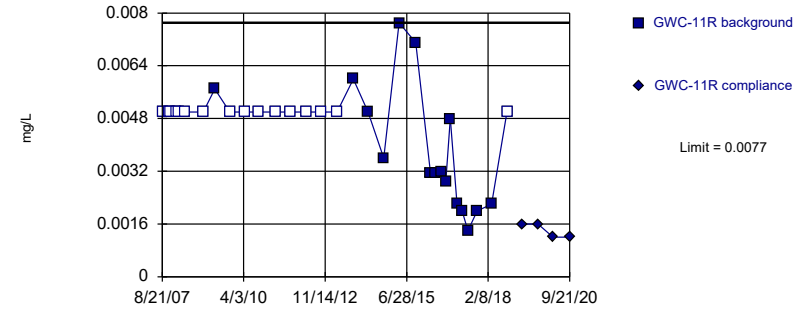


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.0969, Std. Dev.=0.01324, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8043, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Arsenic Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

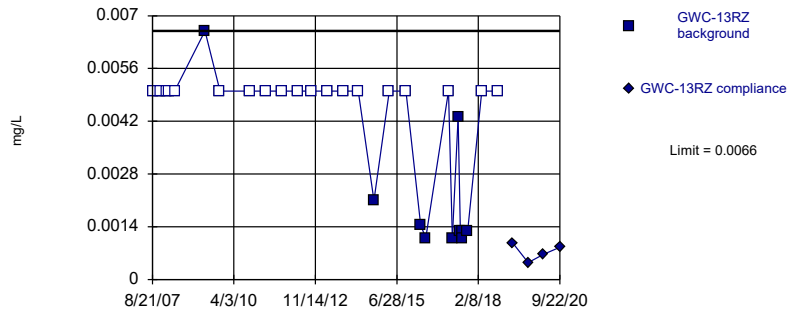


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 50% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

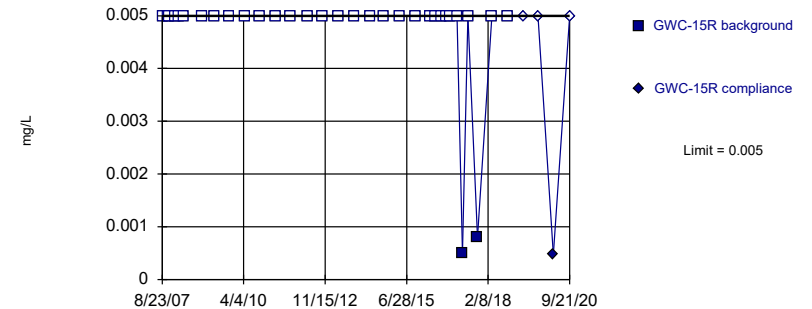


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

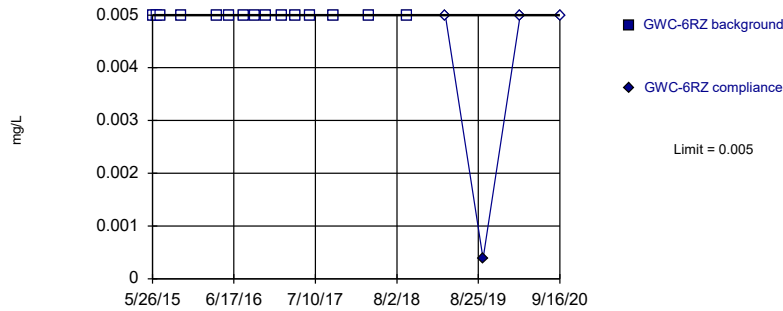


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

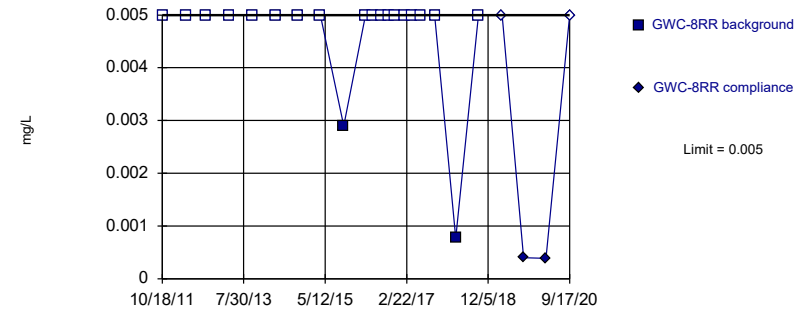


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Arsenic Analysis Run 11/3/2020 4:04 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

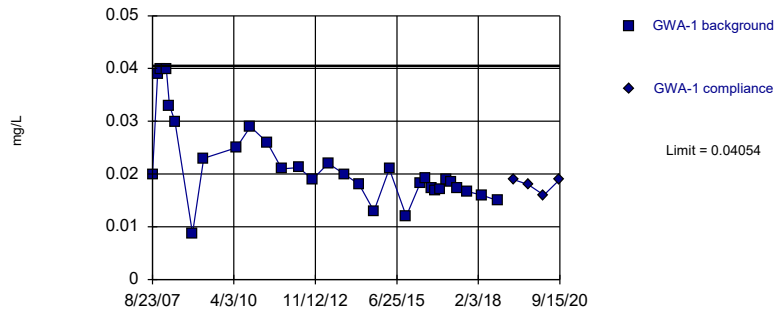


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

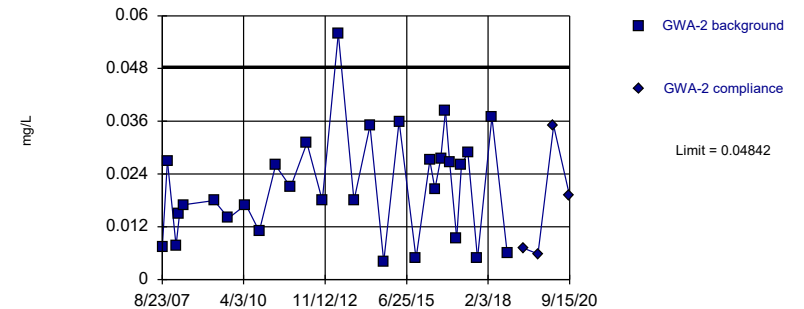


Background Data Summary (based on square root transformation): Mean=0.1451, Std. Dev.=0.02538, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9267, critical = 0.902. Kappa = 2.215 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

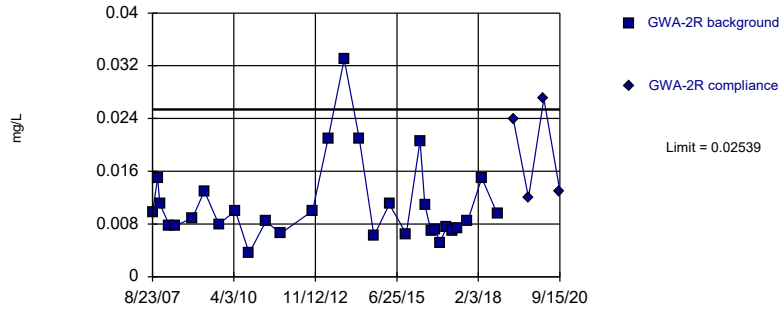


Background Data Summary: Mean=0.02121, Std. Dev.=0.01224, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9464, critical = 0.9. Kappa = 2.223 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

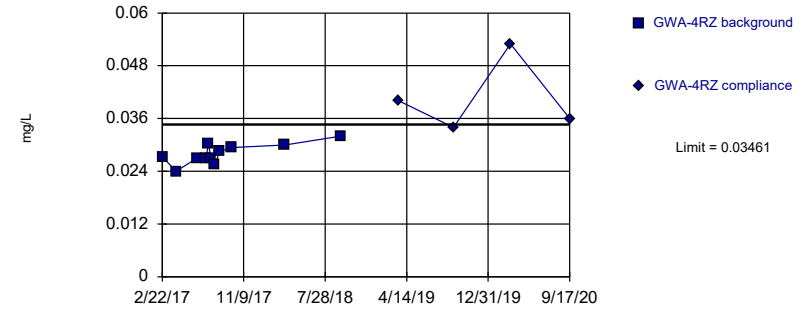


Background Data Summary (based on cube root transformation): Mean=0.2153, Std. Dev.=0.03537, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.904, critical = 0.9. Kappa = 2.223 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

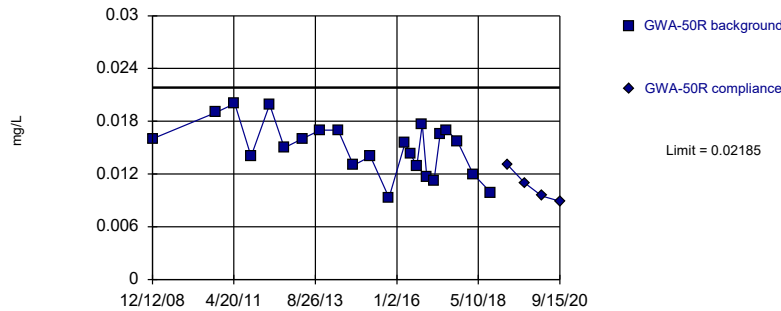


Background Data Summary: Mean=0.02799, Std. Dev.=0.002333, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9753, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

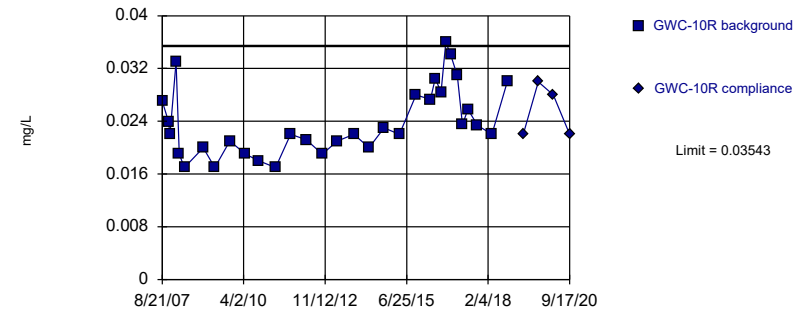


Background Data Summary: Mean=0.01499, Std. Dev.=0.002959, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.881. Kappa = 2.317 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

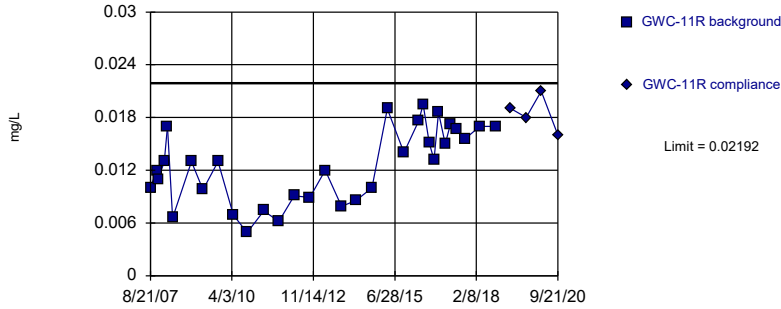


Background Data Summary: Mean=0.02388, Std. Dev.=0.005231, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.904. Kappa = 2.208 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

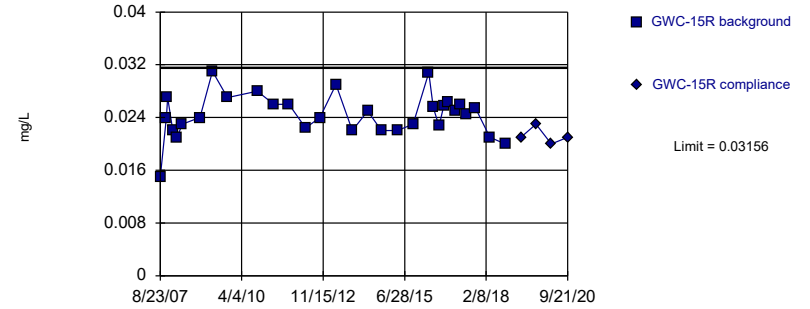


Background Data Summary: Mean=0.01259, Std. Dev.=0.004227, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.904. Kappa = 2.208 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

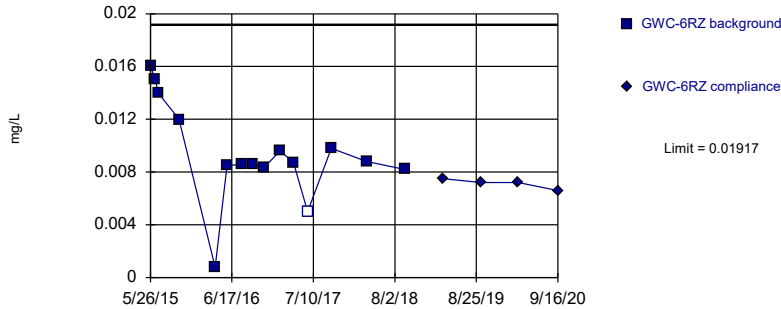


Background Data Summary: Mean=0.0244, Std. Dev.=0.003233, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9654, critical = 0.902. Kappa = 2.215 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

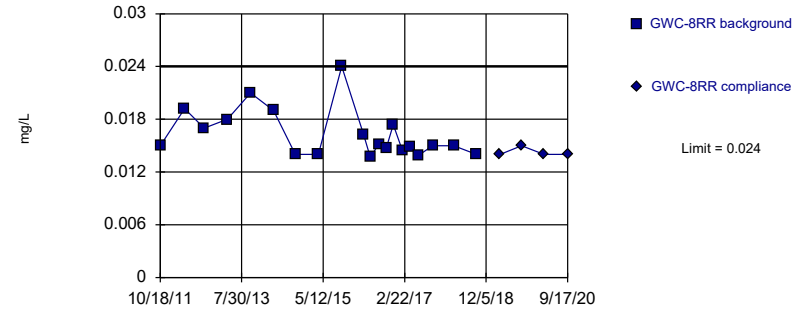


Background Data Summary: Mean=0.009456, Std. Dev.=0.003803, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9092, critical = 0.835. Kappa = 2.555 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

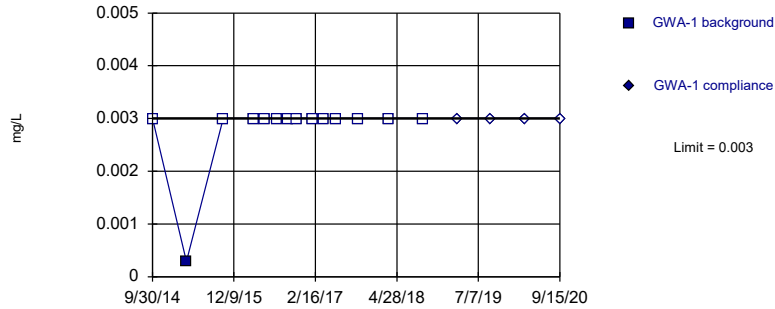


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

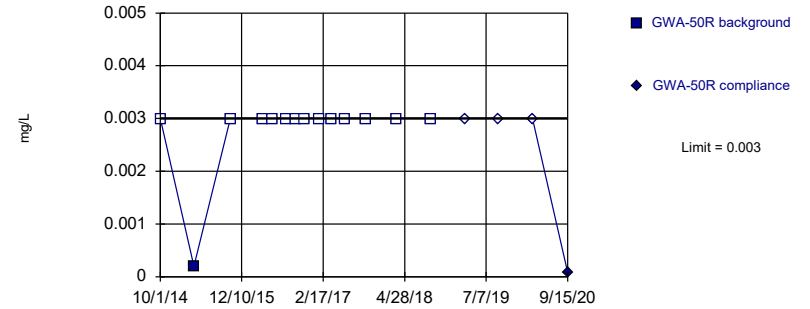


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 11/3/2020 4:05 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

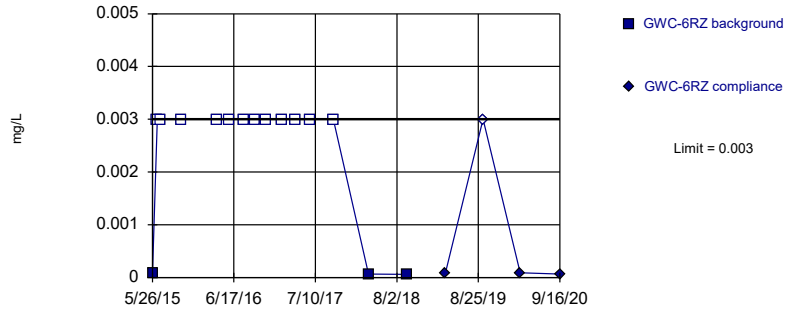


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 11/3/2020 4:05 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

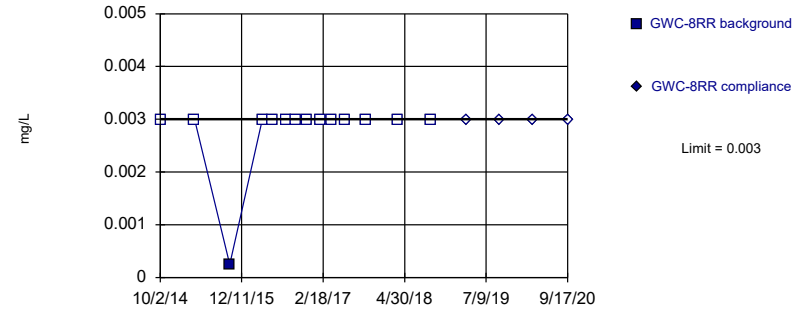


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Beryllium Analysis Run 11/3/2020 4:05 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

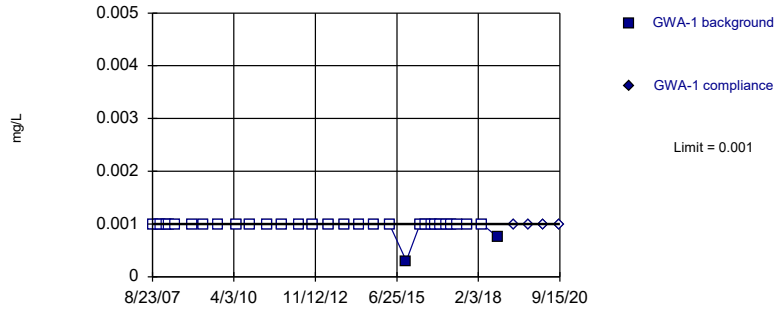


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Beryllium Analysis Run 11/3/2020 4:05 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

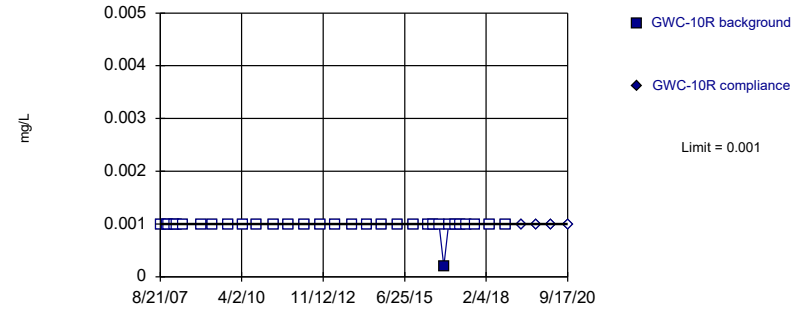


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

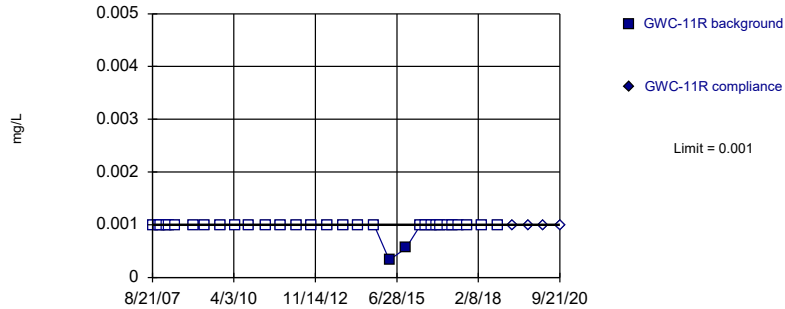


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

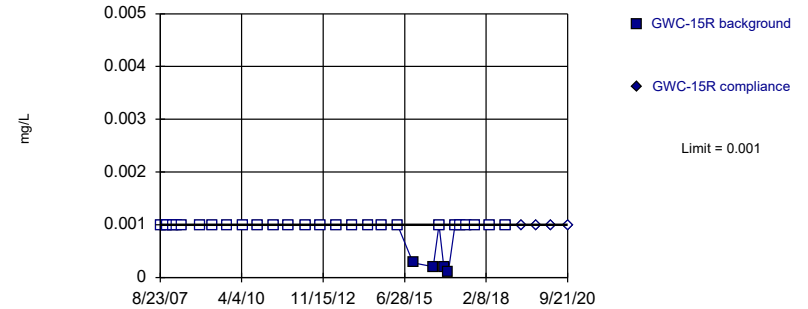


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

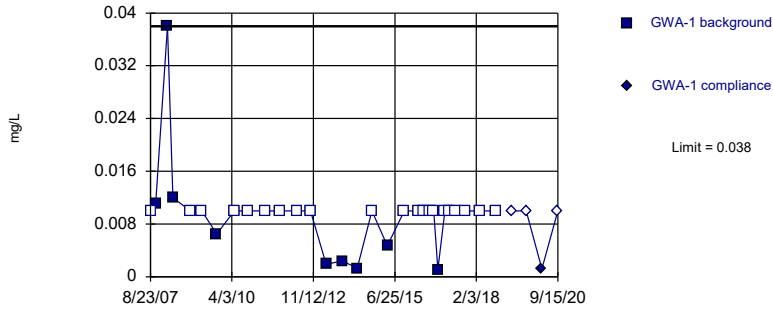


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

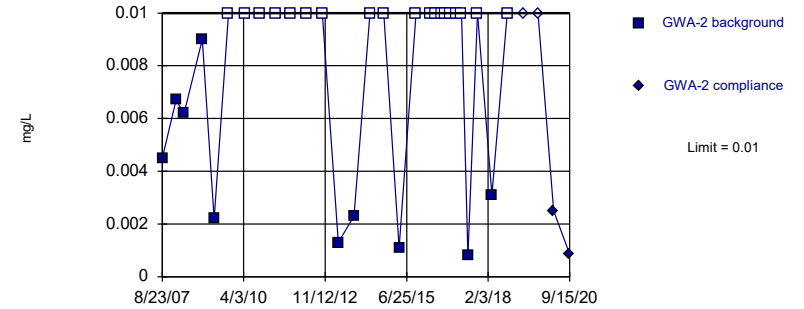


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 70% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

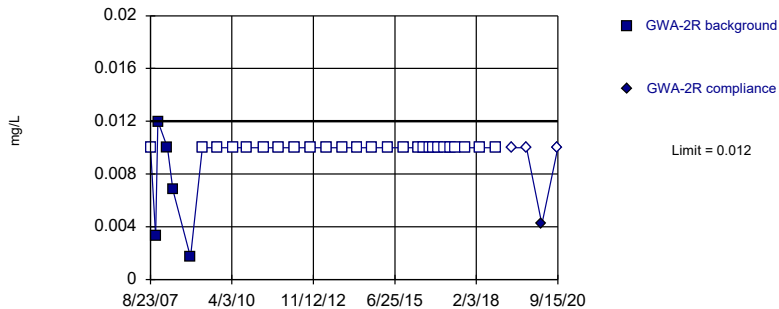


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 65.52% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

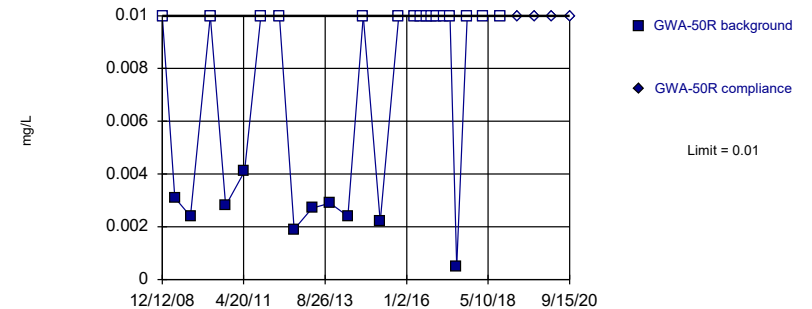


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

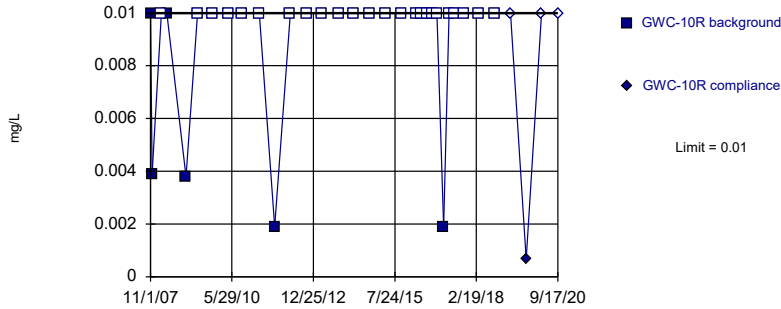


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

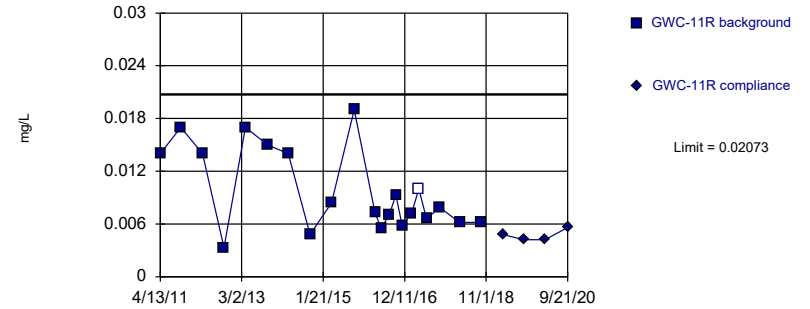


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 80% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

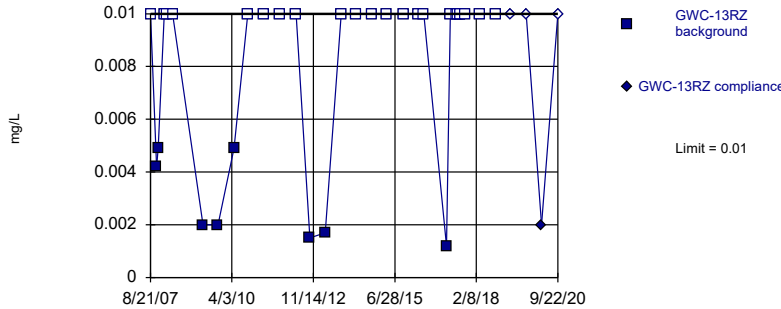


Background Data Summary: Mean=0.009791, Std. Dev.=0.004649, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8988, critical = 0.873. Kappa = 2.354 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

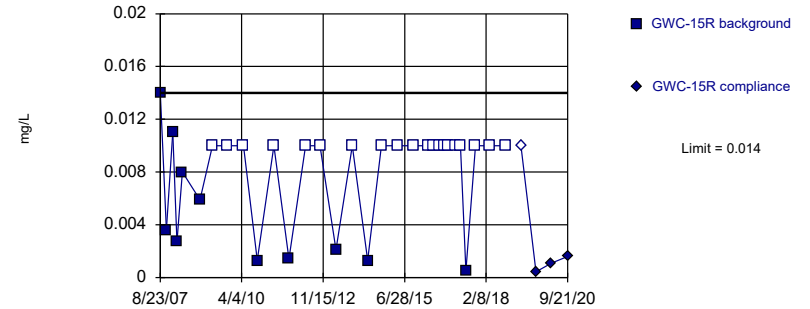


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 74.19% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

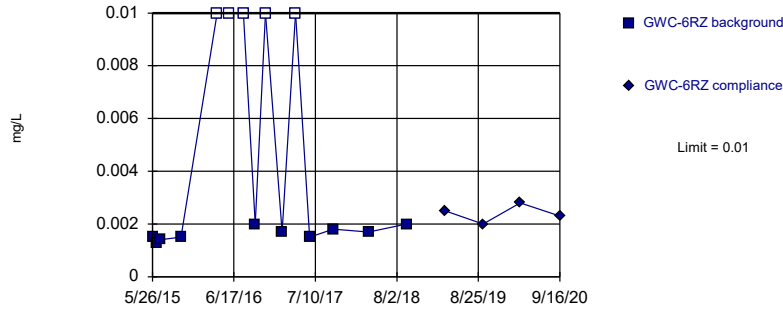


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 64.52% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

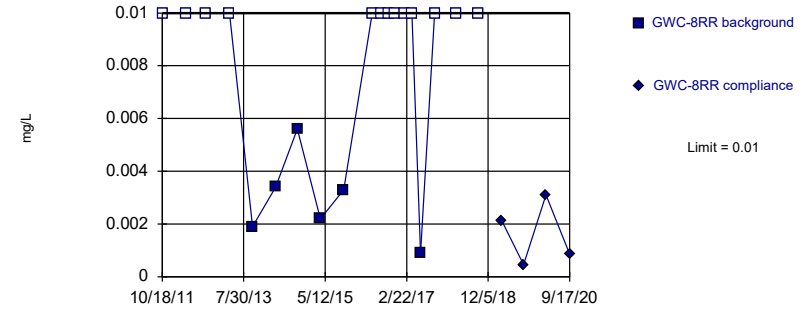


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

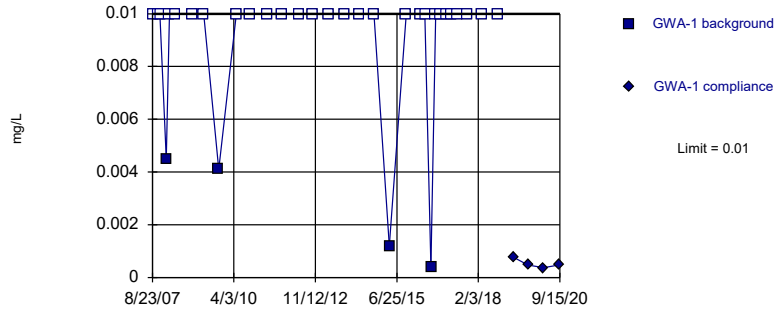


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Chromium Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

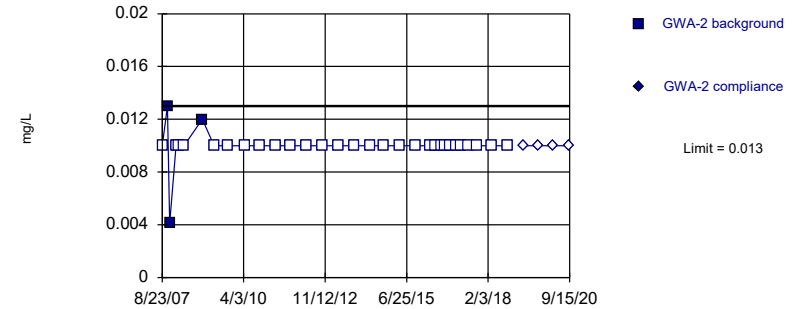


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

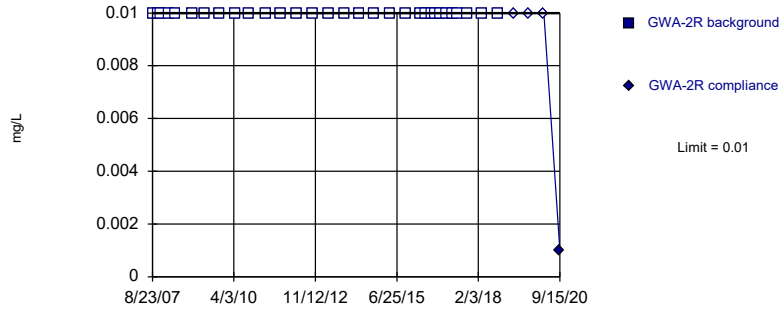


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

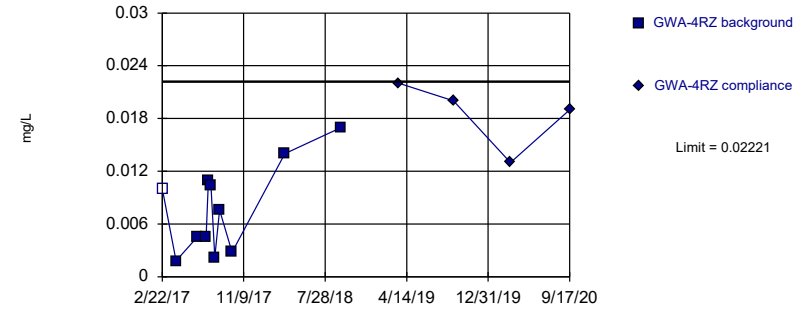


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 31) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

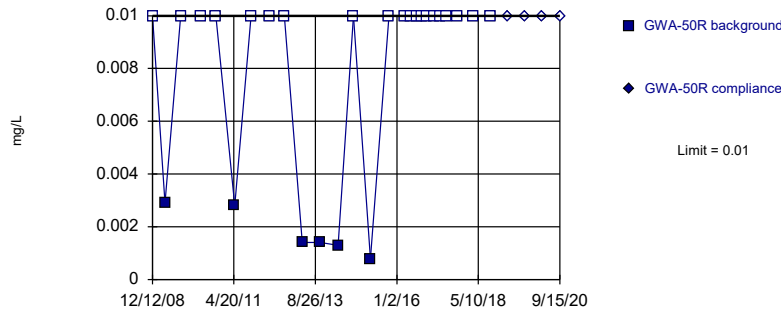


Background Data Summary: Mean=0.0078, Std. Dev.=0.005078, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.792. Kappa = 2.837 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

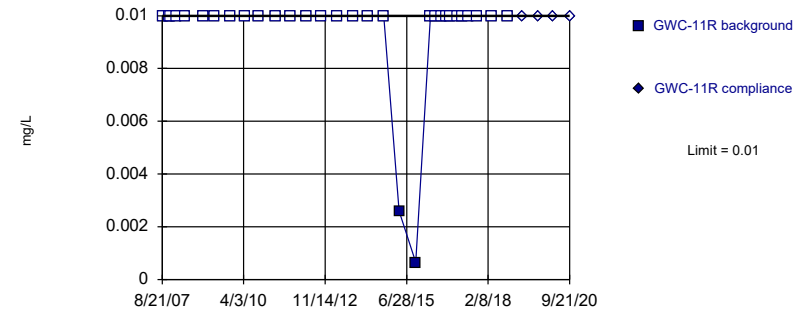


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

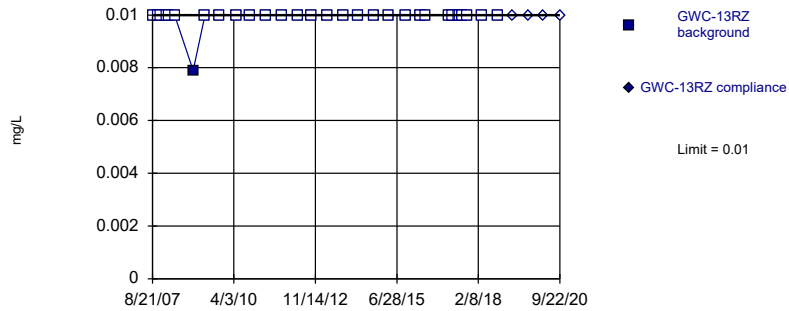


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

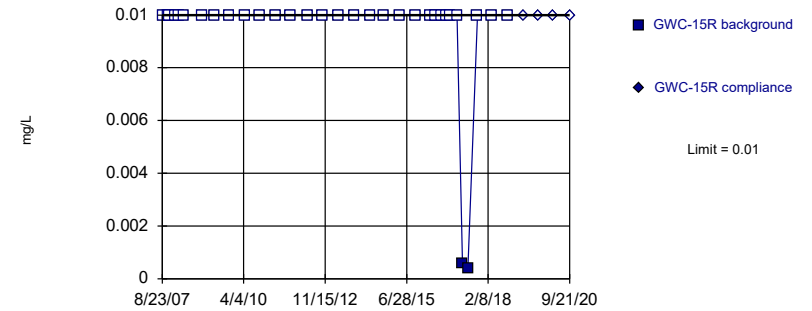


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

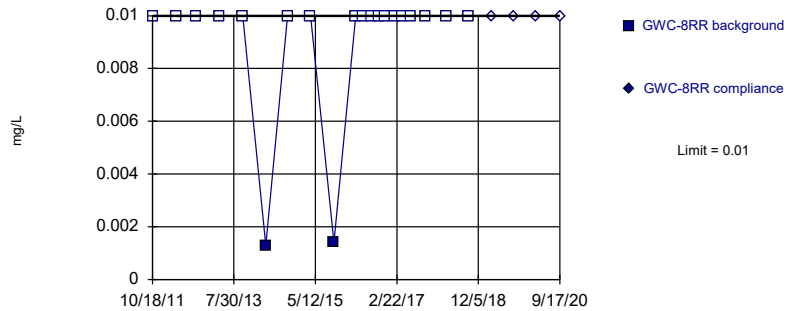


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

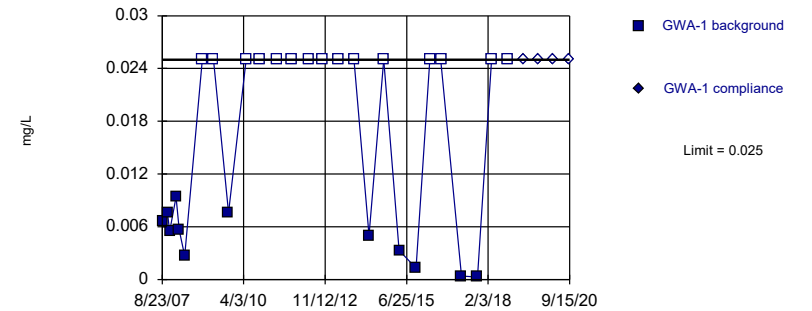


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/3/2020 4:05 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

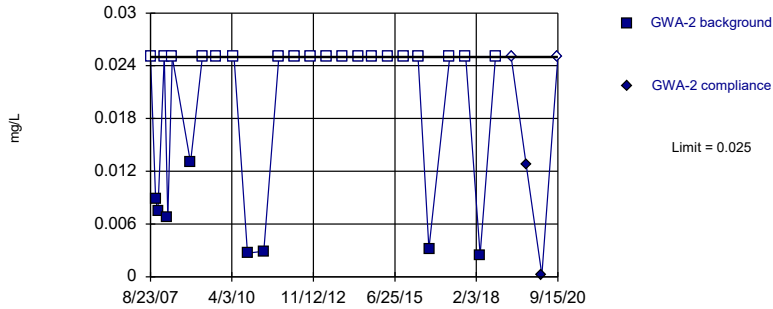


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

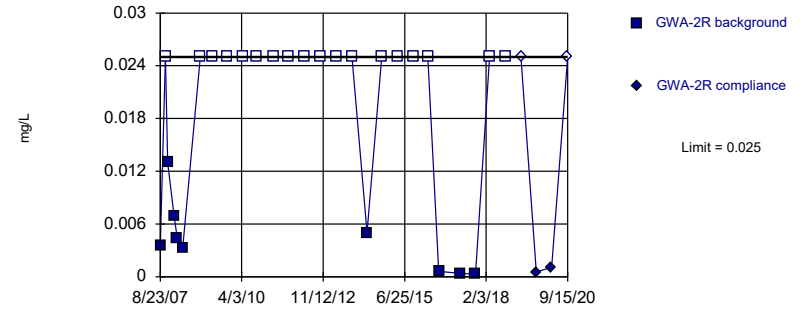


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

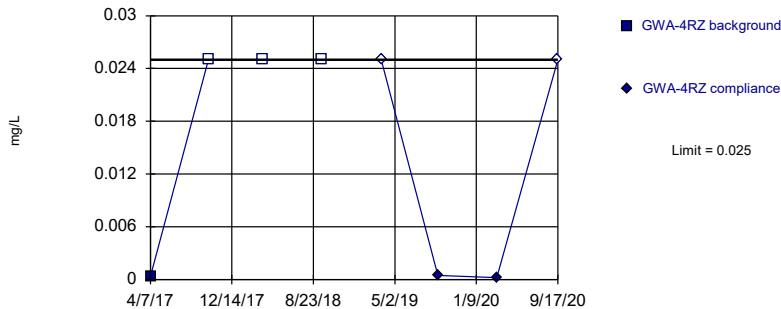


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

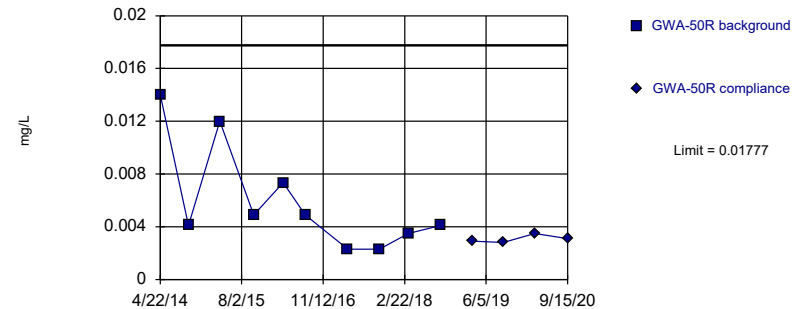


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 4 background values. 75% NDs. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

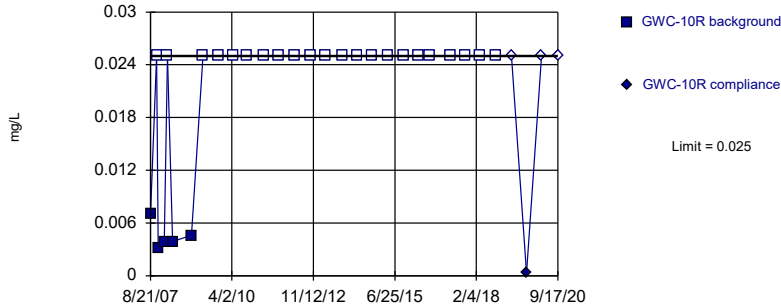


Background Data Summary: Mean=0.005944, Std. Dev.=0.004014, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.813, critical = 0.781. Kappa = 2.945 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

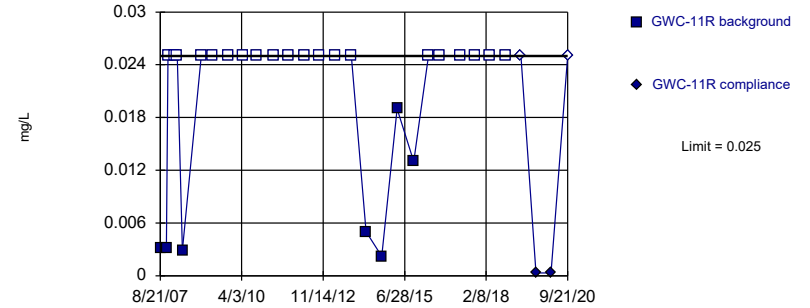


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

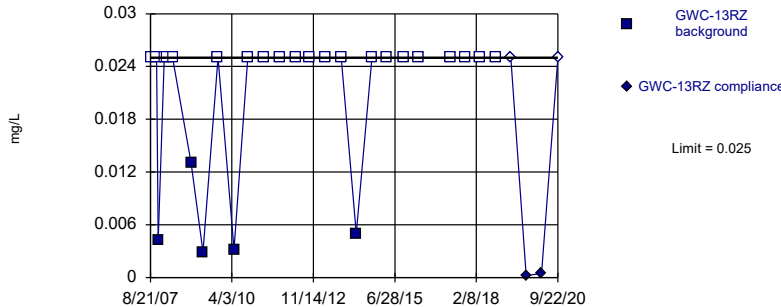


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

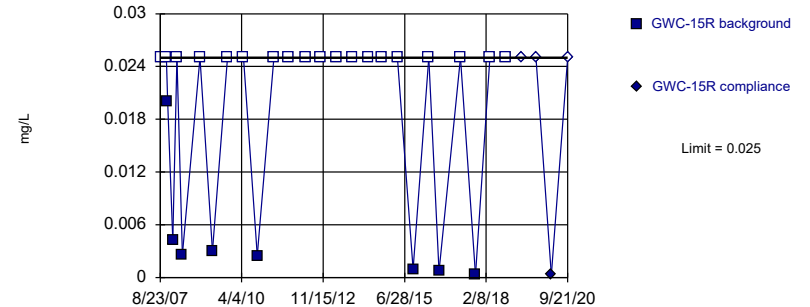


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

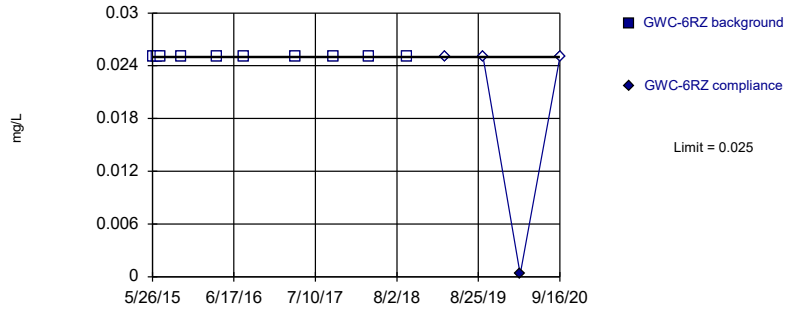


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

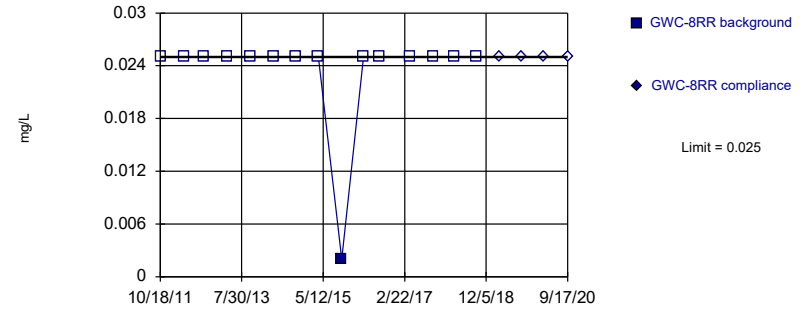


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

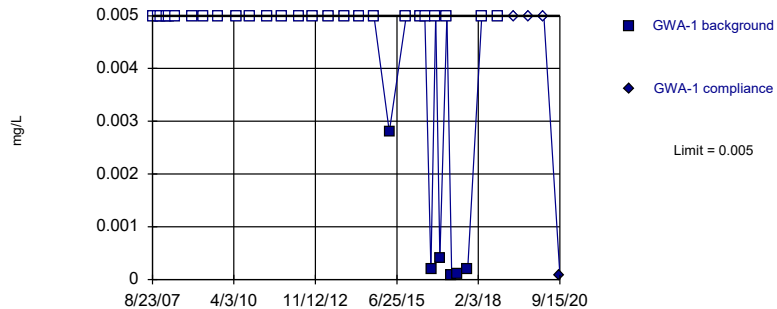


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

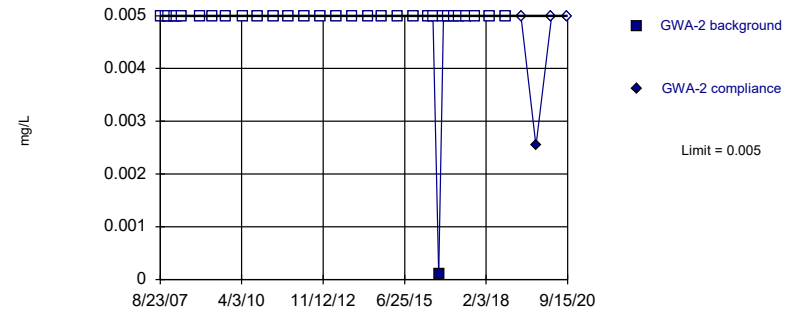


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

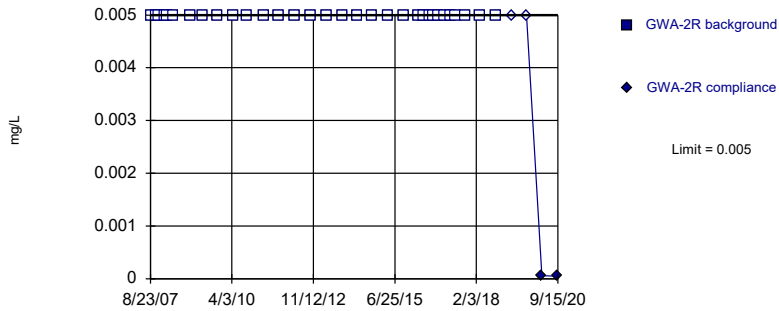


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

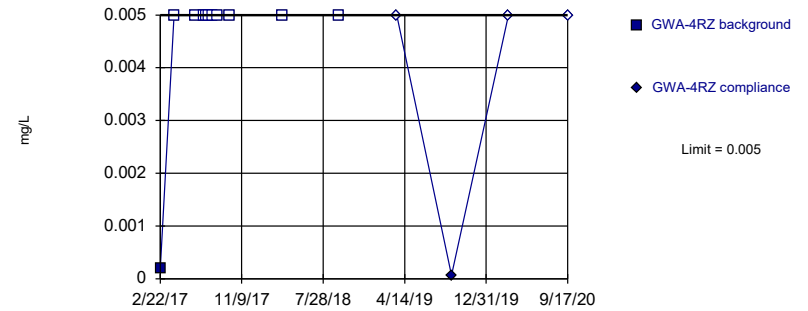


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

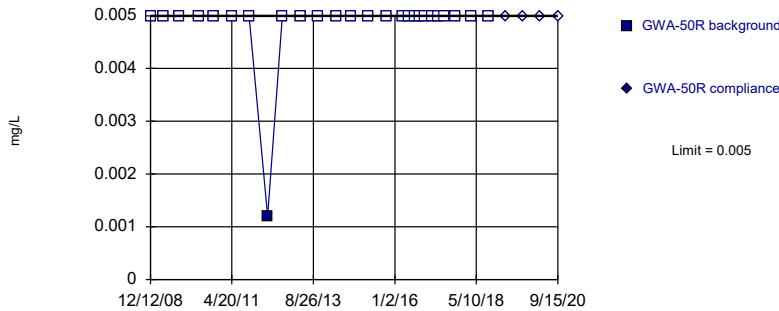


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

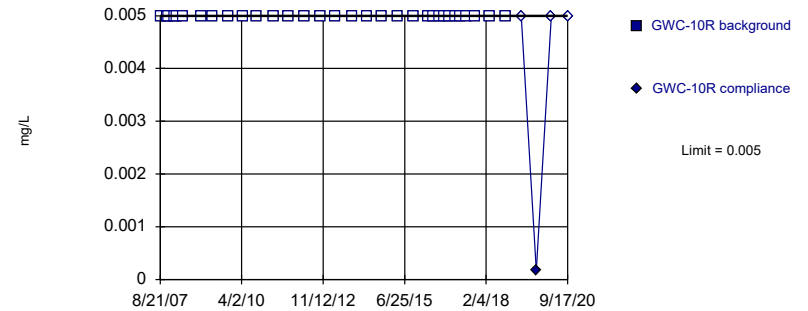


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

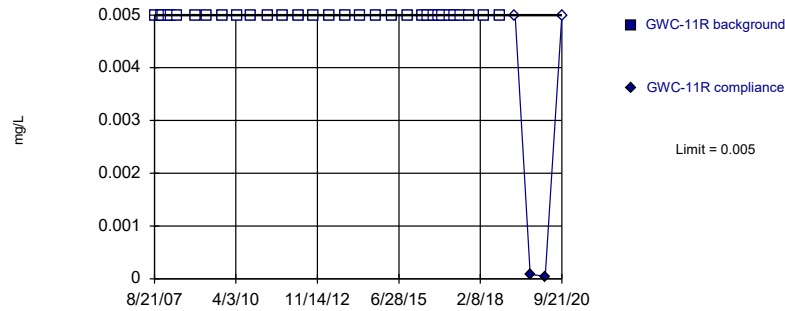


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

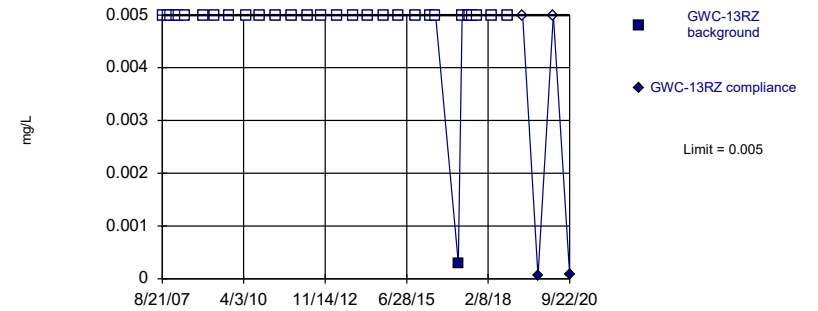


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

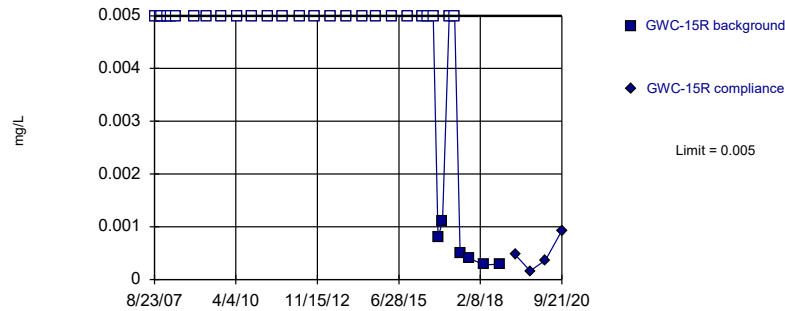


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

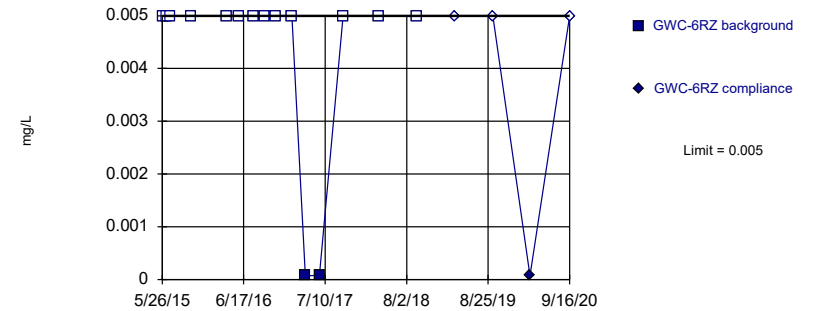


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

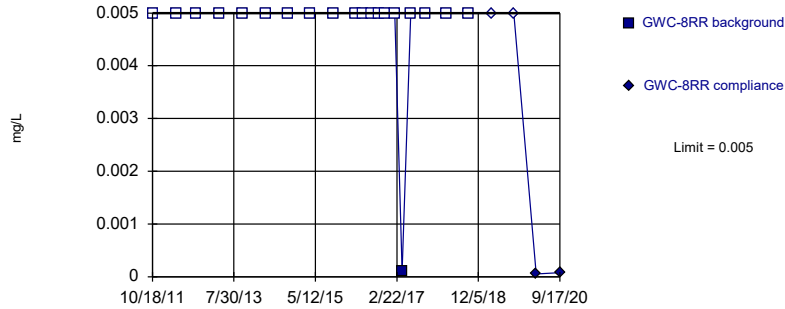


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

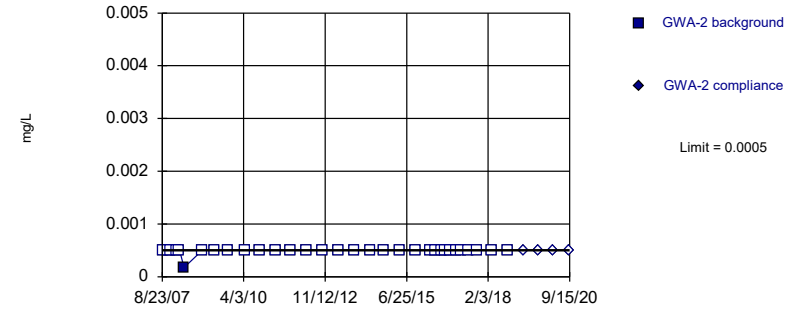


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

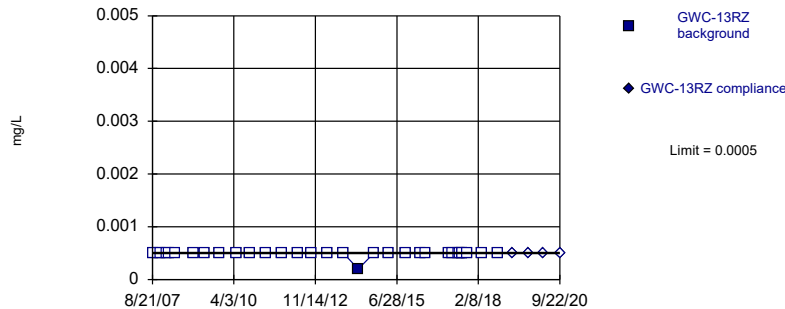


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

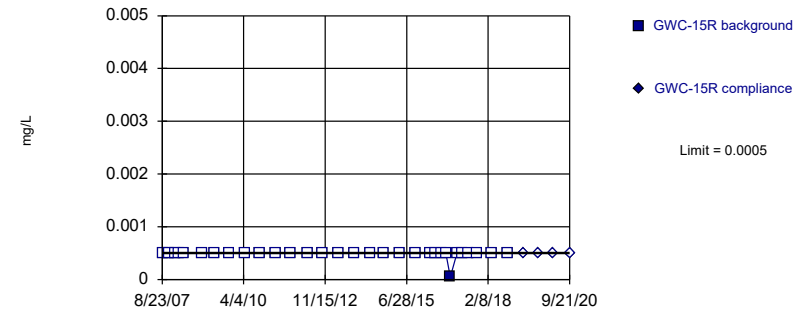


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

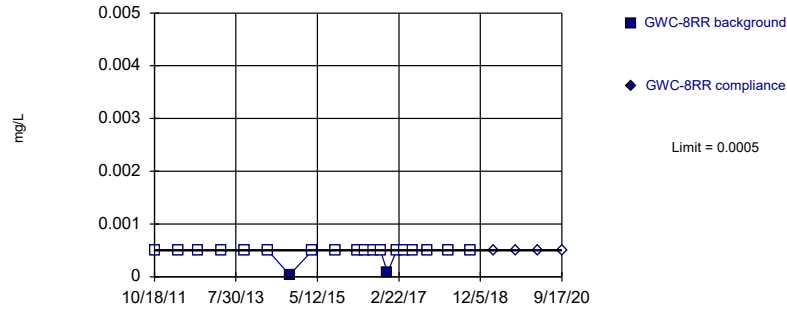


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Mercury Analysis Run 11/3/2020 4:05 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

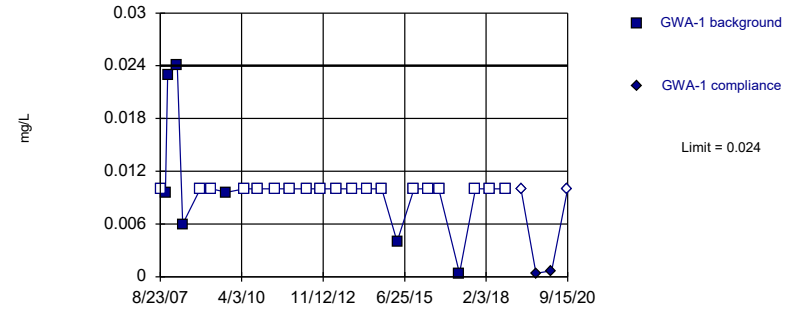


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

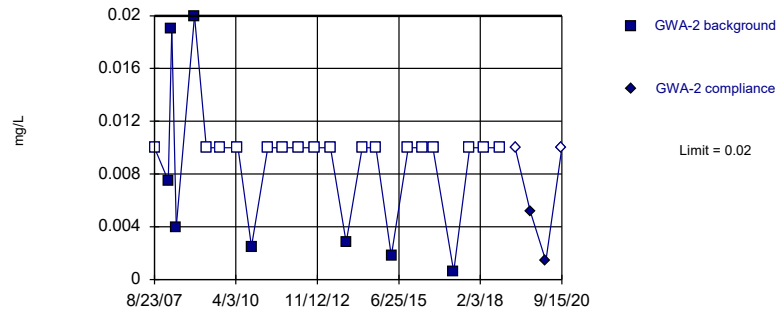


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

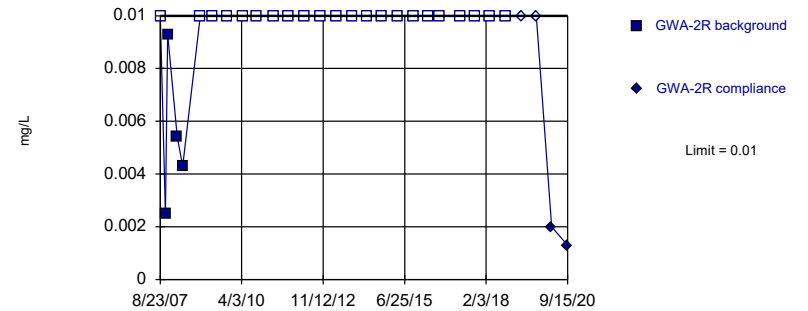


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

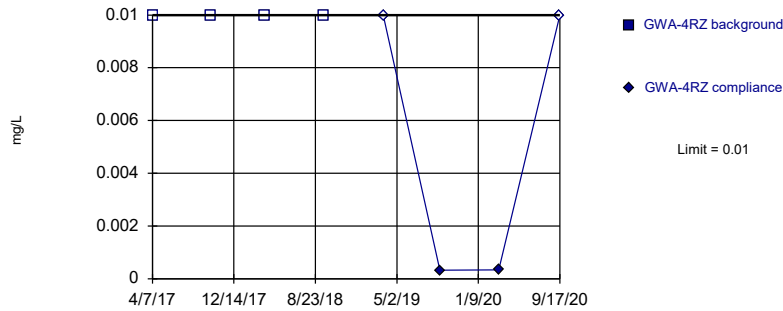


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

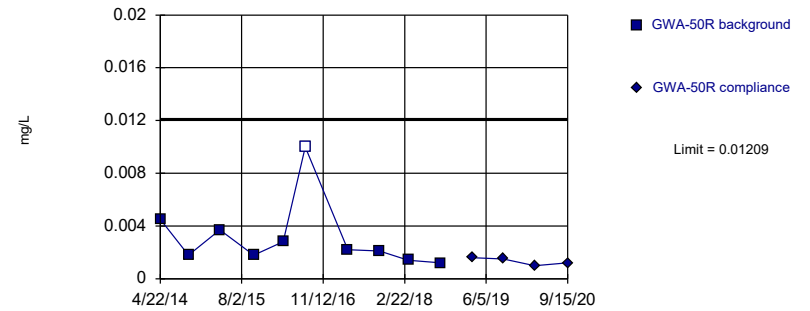


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

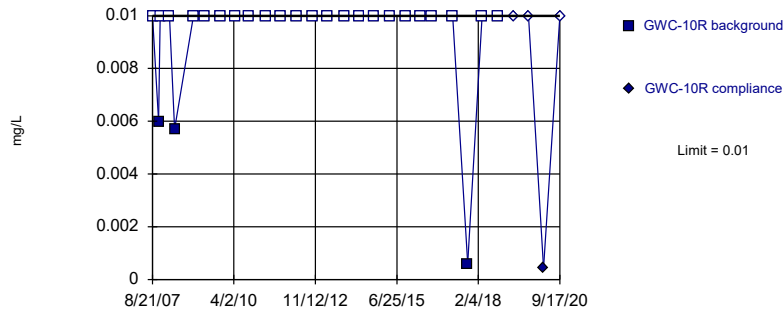


Background Data Summary (based on square root transformation): Mean=0.05305, Std. Dev.=0.01932, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8214, critical = 0.781. Kappa = 2.945 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

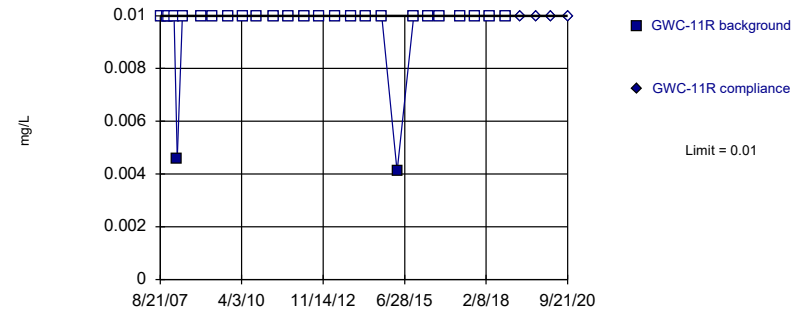


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

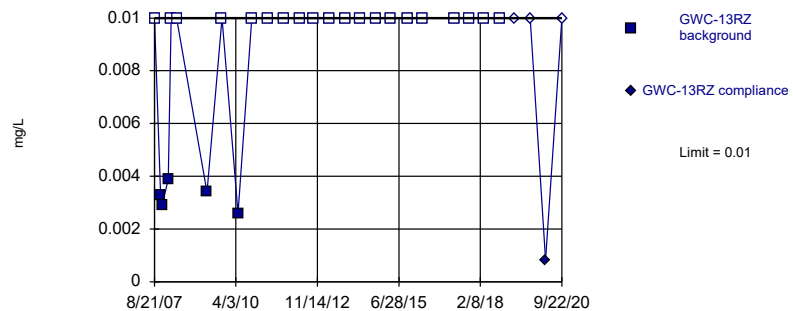
Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

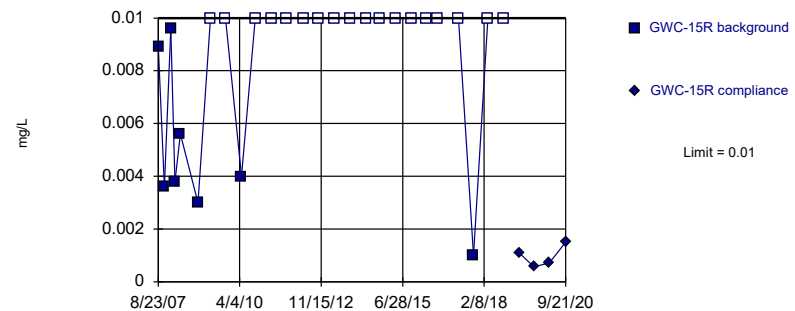
Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

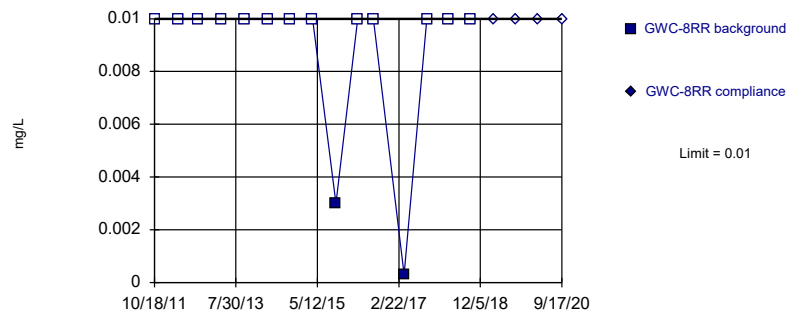
Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

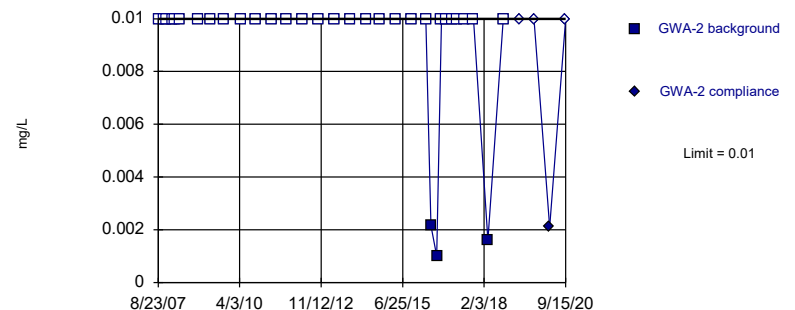
Constituent: Nickel Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric

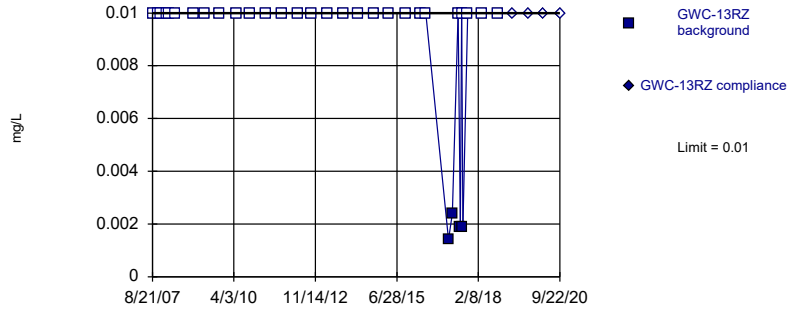


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

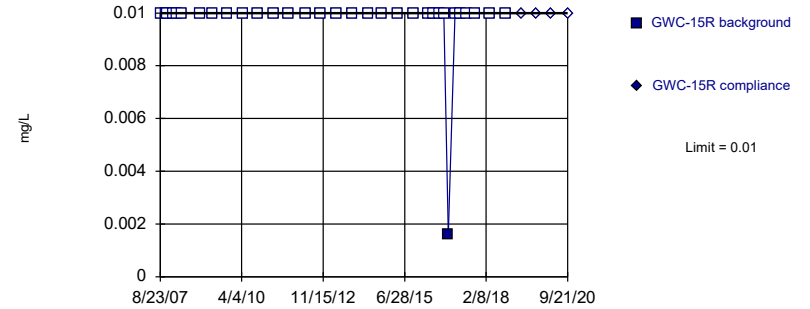


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

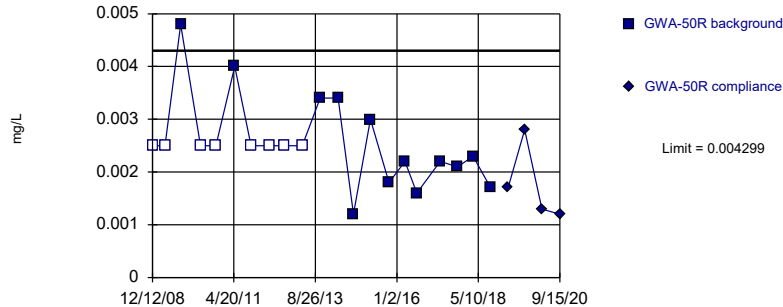


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

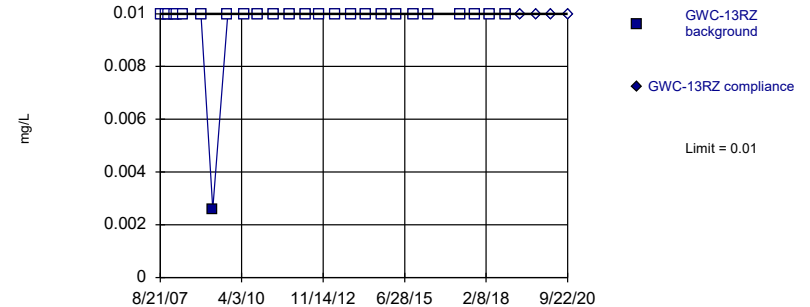


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002202, Std. Dev.=0.0008907, n=21, 38.1% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8968, critical = 0.873. Kappa = 2.354 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Silver Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

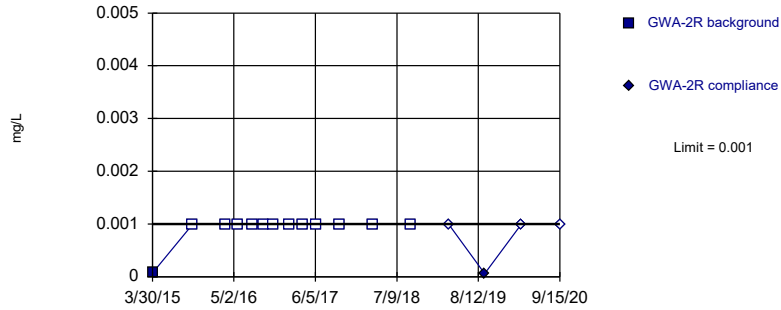


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Silver Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

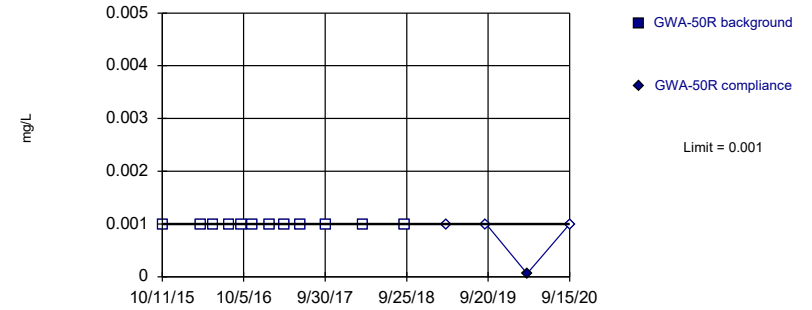


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Thallium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

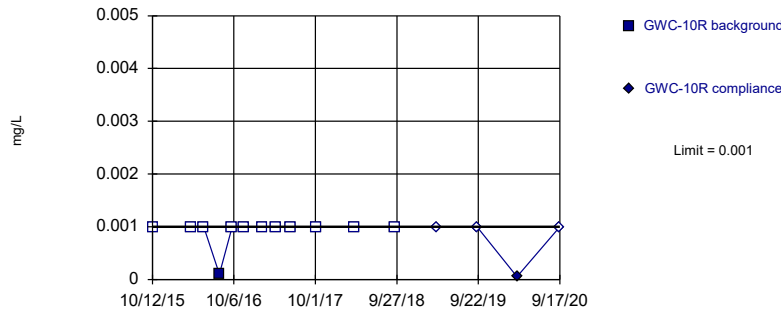


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

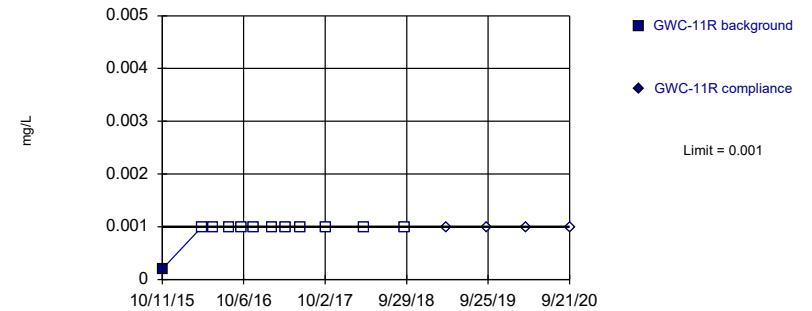


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

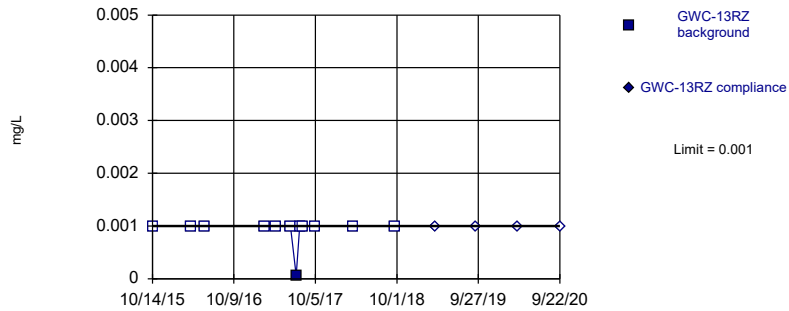


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

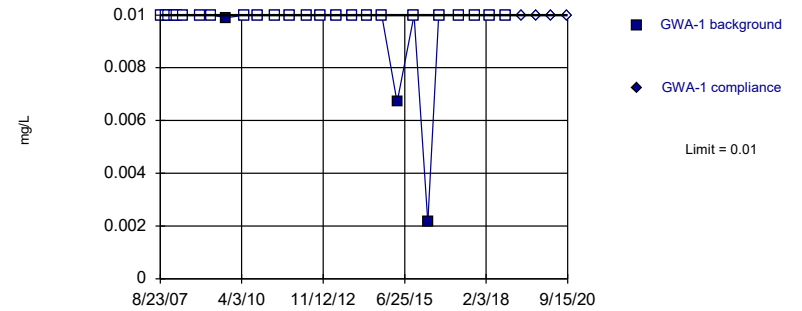


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Thallium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

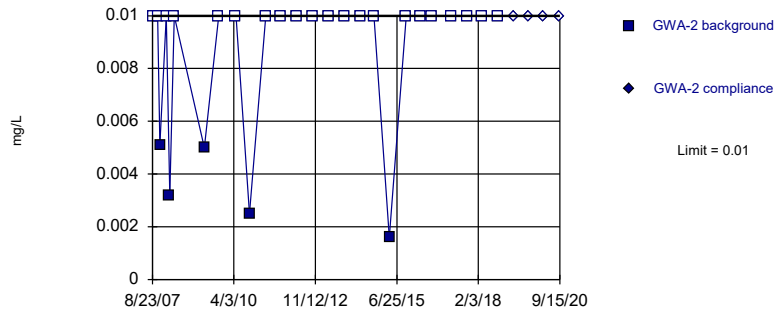


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

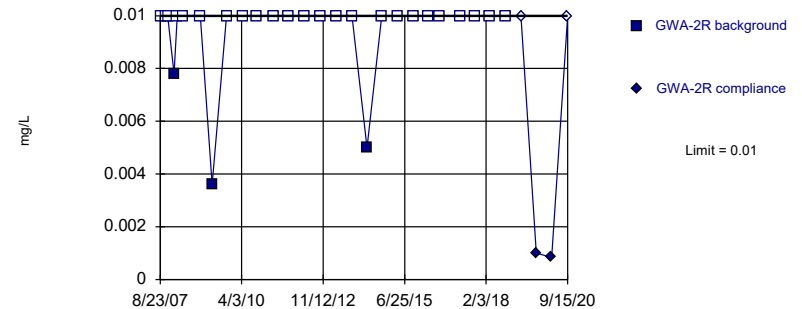


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

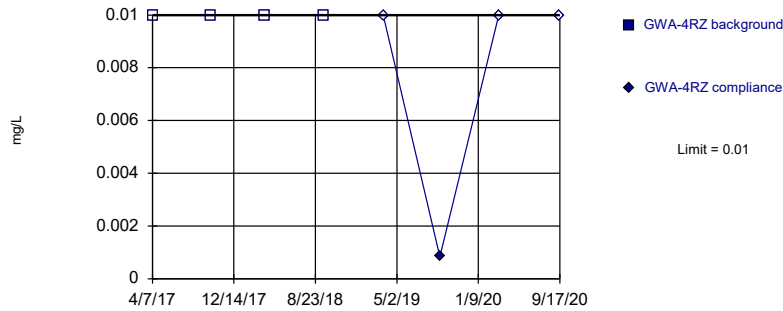


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

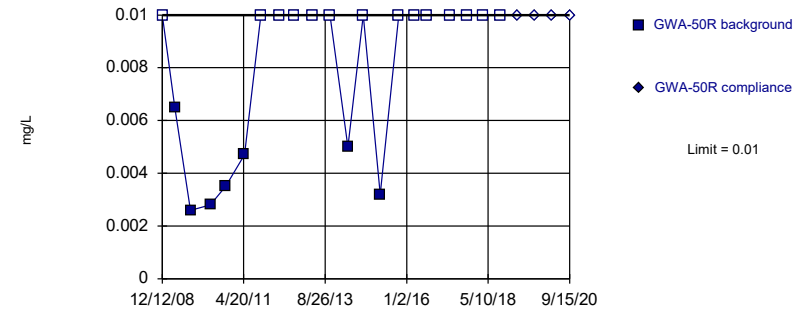


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

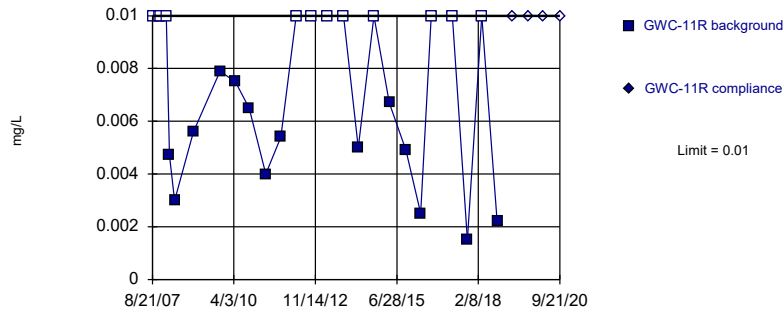


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

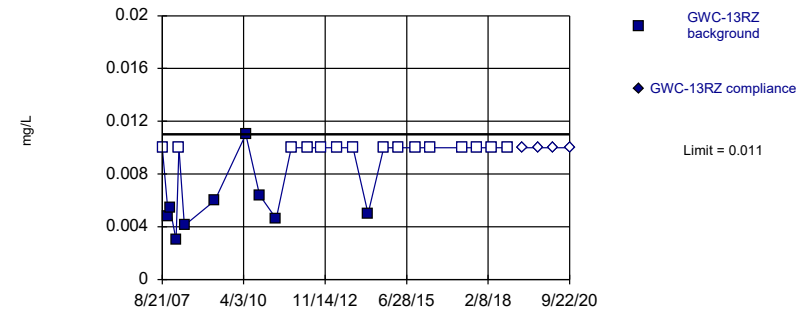


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

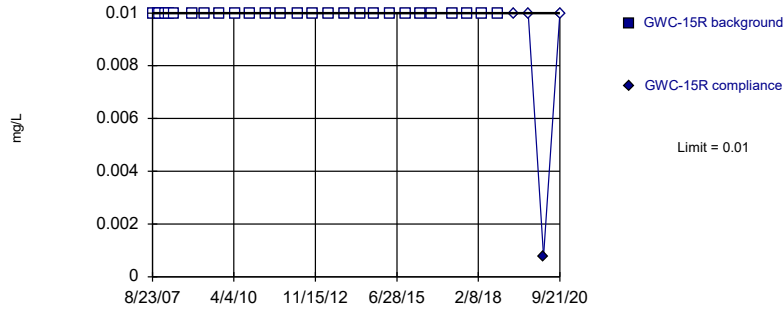


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

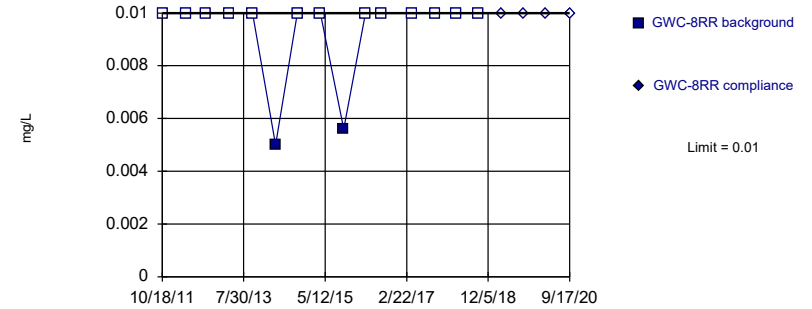


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

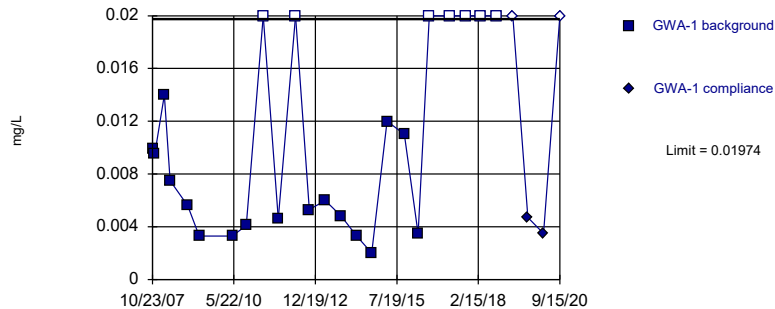


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

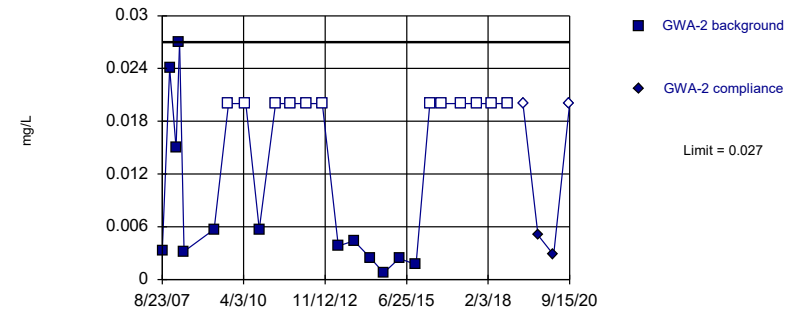


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.343, Std. Dev.=0.6168, n=24, 29.17% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8978, critical = 0.884. Kappa = 2.299 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

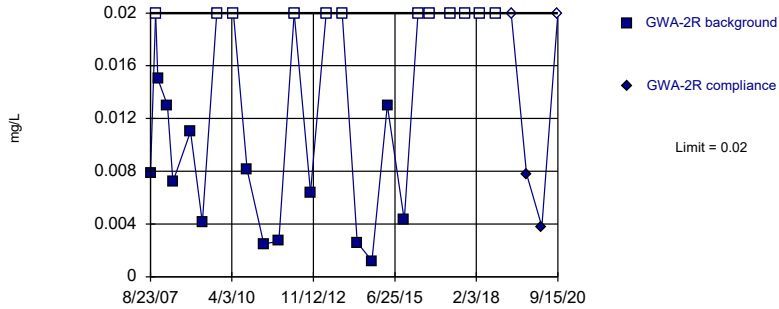


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 48% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

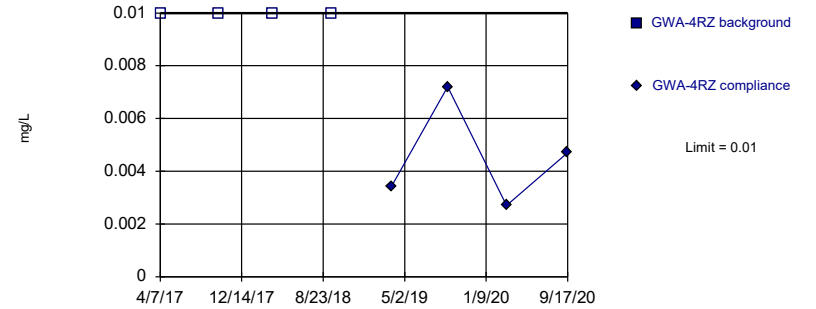


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

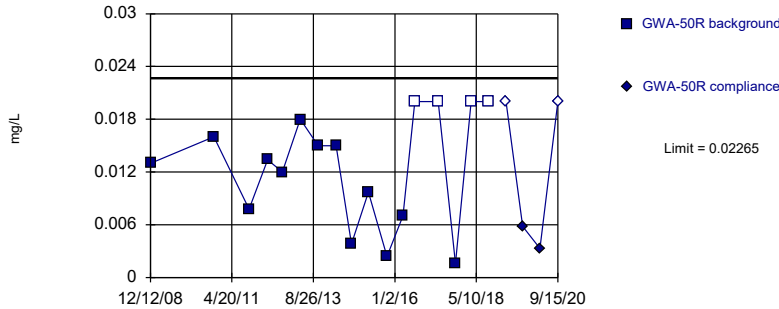


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.119. Individual comparison alpha = 0.06138 (1 of 2).

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

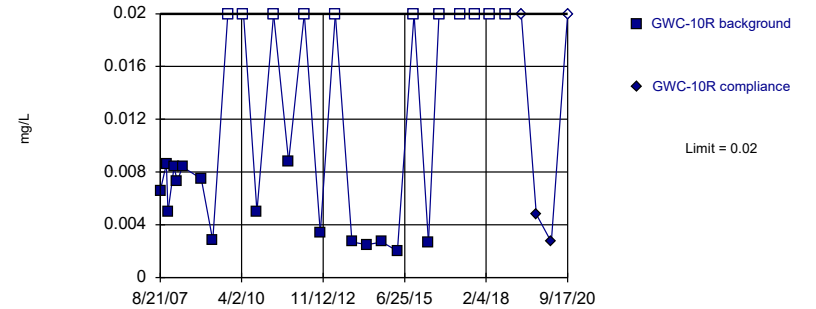


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.009815, Std. Dev.=0.005207, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9141, critical = 0.851. Kappa = 2.466 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

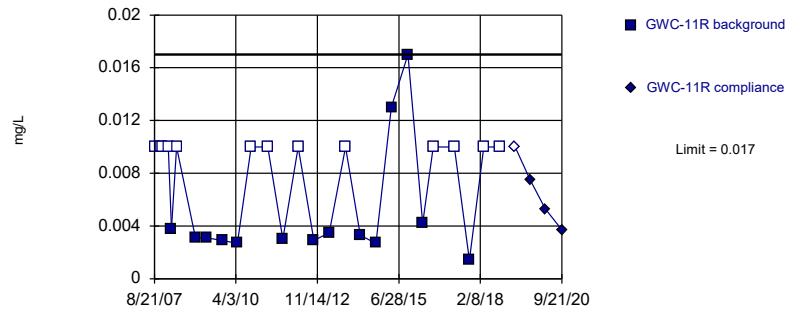


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 40.74% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

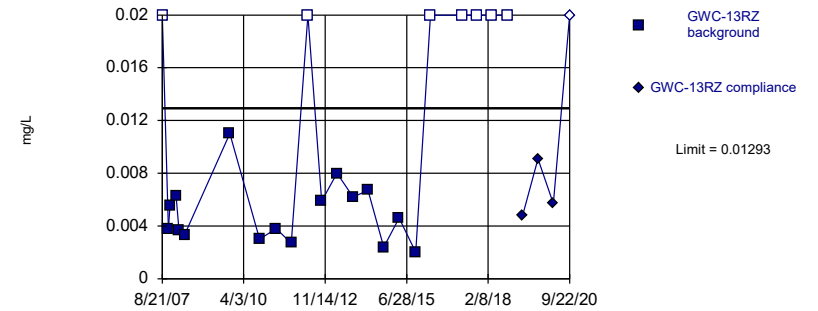


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

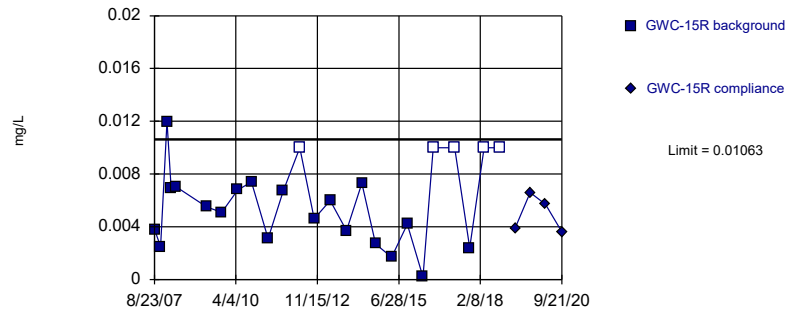


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.434, Std. Dev.=0.4686, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8811, critical = 0.881. Kappa = 2.317 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

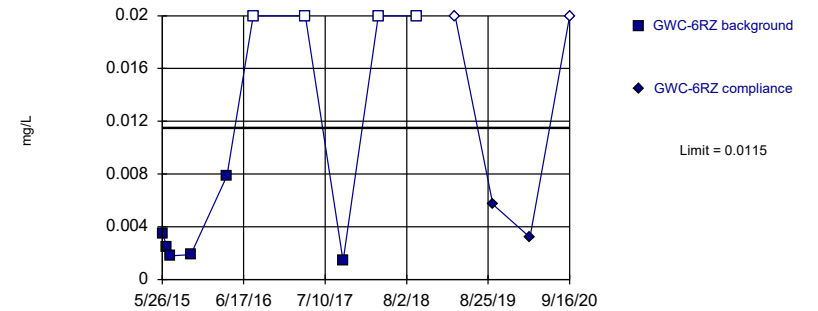


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004906, Std. Dev.=0.002508, n=25, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.888. Kappa = 2.281 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

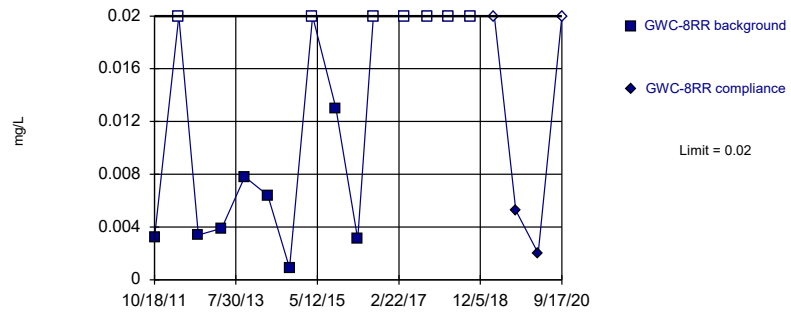


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1406, Std. Dev.=0.02888, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7914, critical = 0.781. Kappa = 2.945 (c=16, w=6, 1 of 2, event alpha = 0.05132). Report alpha = 0.0005486.

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/3/2020 4:06 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.003	
10/23/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/7/2009	<0.003	
5/3/2010	<0.003	
10/12/2010	<0.003	
4/27/2011	<0.003	
10/17/2011	0.0054	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/12/2013	0.0058	
10/16/2013	0.01 (o)	
4/11/2014	0.005 (J)	
9/30/2014	0.0068	
3/30/2015	0.0074	
10/13/2015	0.017 (o)	
3/22/2016	0.00567	
5/19/2016	0.00319	
7/29/2016	0.0025 (J)	
9/23/2016	0.0051	
11/9/2016	0.0097 (J)	
1/30/2017	0.0032	
3/30/2017	0.0028 (J)	
6/9/2017	<0.003	
10/2/2017	0.0014 (J)	
3/16/2018	0.0014 (J)	
9/17/2018	0.00105 (JD)	
3/20/2019		<0.003
9/12/2019		0.0037
3/11/2020		0.00079 (J)
9/15/2020		0.0061

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.003	
10/24/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/4/2008	<0.003	
4/21/2009	<0.003	
10/8/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	0.0053	
10/9/2012	<0.003	
4/11/2013	0.0075	
10/16/2013	<0.003	
4/10/2014	0.0081	
9/30/2014	0.0022 (J)	
3/30/2015	0.011 (o)	
10/13/2015	0.0045 (J)	
3/23/2016	0.00281 (J)	
5/19/2016	0.00264 (J)	
7/29/2016	0.0069	
9/22/2016	0.0066	
11/10/2016	<0.003	
1/31/2017	0.0064	
4/3/2017	0.0049	
6/9/2017	<0.003	
10/2/2017	0.0045	
3/16/2018	0.021 (o)	
9/14/2018	0.0054	
3/19/2019		0.0019 (J)
9/13/2019		0.0044
3/11/2020		0.002 (J)
9/15/2020		0.0037

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0018 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	<0.003	
7/12/2017	0.0015 (J)	
7/20/2017	<0.003	
7/28/2017	<0.003	
8/9/2017	<0.003	
8/24/2017	0.0007 (J)	
10/3/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/21/2019		<0.003
9/12/2019		0.00052 (J)
3/12/2020		0.0017 (J)
9/17/2020		0.00087 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
5/3/2010	<0.003	
10/11/2010	<0.003	
4/27/2011	<0.003	
10/19/2011	<0.003	
5/1/2012	<0.003	
10/2/2012	<0.003	
4/10/2013	<0.003	
10/16/2013	<0.003	
4/22/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/11/2016	<0.003	
1/30/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/18/2018	<0.003	
3/19/2019		<0.003
9/12/2019		<0.003
3/11/2020		<0.003
9/15/2020		0.00048 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/20/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/8/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/8/2012	<0.003	
4/3/2013	<0.003	
10/15/2013	<0.003	
4/9/2014	<0.003	
10/2/2014	<0.003	
4/2/2015	<0.003	
10/12/2015	<0.003	
3/31/2016	<0.003	
5/26/2016	0.000659 (J)	
8/3/2016	<0.003	
9/28/2016	0.0037 (o)	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/22/2019		<0.003
9/17/2019		<0.003
3/12/2020		<0.003
9/17/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	0.0044 (J)	
4/1/2015	0.0087 (o)	
10/11/2015	0.007 (o)	
4/4/2016	0.00252 (J)	
5/26/2016	0.00351	
8/4/2016	<0.003	
9/28/2016	0.0012 (J)	
11/22/2016	0.0042	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019		<0.003
9/17/2019		0.0013 (J)
3/12/2020		0.001 (J)
9/21/2020		0.0053

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/12/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/20/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	0.007 (o)	
10/8/2013	0.01 (o)	
4/1/2014	0.011 (o)	
10/1/2014	0.018 (o)	
3/31/2015	0.011 (o)	
10/14/2015	0.0083 (o)	
4/4/2016	0.00447	
6/1/2016	0.00377	
2/22/2017	0.0044	
4/11/2017	0.0019 (J)	
6/16/2017	<0.003	
7/12/2017	0.0018 (J)	
7/28/2017	0.0011 (J)	
8/10/2017	0.0012 (J)	
10/6/2017	0.0013 (J)	
3/23/2018	0.0015 (J)	
9/20/2018	0.0013 (J)	
3/22/2019		0.0014 (J)
9/18/2019		0.00077 (X)
3/17/2020		0.0009 (J)
9/22/2020		0.00079 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.003	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/19/2009	<0.003	
4/27/2010	<0.003	
10/4/2010	<0.003	
4/18/2011	<0.003	
10/12/2011	0.0052	
4/23/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	0.0024 (J)	
4/3/2015	0.0072	
10/7/2015	0.0045 (J)	
4/5/2016	0.00727	
5/31/2016	0.00649	
8/4/2016	0.0038	
9/29/2016	0.0106	
11/23/2016	0.0098	
2/10/2017	0.0014 (J)	
4/12/2017	0.0026 (J)	
6/15/2017	<0.003	
10/6/2017	0.0008 (J)	
3/23/2018	0.001 (J)	
9/19/2018	0.0011 (J)	
3/25/2019		<0.003
9/17/2019		0.0017 (J)
3/13/2020		0.00056 (J)
9/21/2020		0.0021 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.003	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/9/2015	<0.003	
3/29/2016	0.0364 (o)	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/14/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.0006 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/17/2018	0.0023 (J)	
3/21/2019		<0.003
9/16/2019		<0.003
3/12/2020		0.0011 (J)
9/16/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.003	
4/30/2012	<0.003	
10/3/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/10/2014	<0.003	
10/2/2014	0.0025 (J)	
4/3/2015	<0.003	
10/8/2015	<0.003	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	0.0015 (J)	
4/6/2017	0.0007 (J)	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019		<0.003
9/16/2019		<0.003 (D)
3/12/2020		0.00043 (J)
9/17/2020		0.00082 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	0.00085 (J)	
9/17/2018	<0.005 (D)	
3/20/2019		<0.005
9/12/2019		0.0004 (J)
3/11/2020		0.00088 (J)
9/15/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0056	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0008 (J)	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	0.0007 (J)	
6/9/2017	0.0006 (J)	
10/2/2017	0.0005 (J)	
3/16/2018	0.001 (J)	
9/14/2018	<0.005	
3/19/2019		<0.005
9/13/2019		0.00051 (J)
3/11/2020		0.00044 (J)
9/15/2020		0.00081 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0019 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.0006 (J)	
7/12/2017	<0.005	
7/20/2017	0.0009 (J)	
7/28/2017	<0.005	
8/9/2017	0.0011 (J)	
8/24/2017	0.0007 (J)	
10/3/2017	0.0005 (J)	
3/21/2018	0.0012 (J)	
9/18/2018	<0.005	
3/21/2019		<0.005
9/12/2019		0.0006 (J)
3/12/2020		0.0033 (J)
9/17/2020		0.0011 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	0.0057	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	0.006	
4/2/2014	0.005 (J)	
10/2/2014	0.0036 (J)	
4/1/2015	0.0077	
10/11/2015	0.0071	
4/4/2016	0.00315 (J)	
5/26/2016	0.00313 (J)	
8/4/2016	0.0032 (J)	
9/28/2016	0.0029 (J)	
11/22/2016	0.0048 (J)	
2/8/2017	0.0022 (J)	
4/10/2017	0.002 (J)	
6/15/2017	0.0014 (J)	
10/4/2017	0.002 (J)	
3/22/2018	0.0022 (J)	
9/18/2018	<0.005	
3/23/2019		0.0016 (J)
9/17/2019		0.0016 (J)
3/12/2020		0.0012 (J)
9/21/2020		0.0012 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.02 (o)	
4/29/2009	0.0066	
10/21/2009	<0.005	
4/28/2010	0.016 (o)	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0021 (J)	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	0.00144 (JD)	
6/1/2016	0.0011 (JD)	
2/22/2017	<0.005	
4/11/2017	0.0011 (JD)	
6/16/2017	0.0043 (JD)	
7/12/2017	0.0013 (JD)	
7/28/2017	0.0013 (J)	
8/10/2017	0.0011 (J)	
10/6/2017	0.0013 (JD)	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019		0.00097 (J)
9/18/2019		0.00045 (X)
3/17/2020		0.00067 (J)
9/22/2020		0.00086 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0005 (J)	
6/15/2017	<0.005	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019		<0.005
9/17/2019		<0.005
3/13/2020		0.00047 (J)
9/21/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019		<0.005
9/16/2019		0.00038 (J)
3/12/2020		<0.005
9/16/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0029 (J)	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00077 (J)	
9/18/2018	<0.005	
3/27/2019		<0.005
9/16/2019		0.0004 (JD)
3/12/2020		0.00039 (J)
9/17/2020		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.02	
10/23/2007	0.039	
11/18/2007	0.04 (J)	
1/30/2008	0.04	
3/10/2008	0.033	
5/13/2008	0.03	
12/5/2008	0.0087	
4/15/2009	0.023	
10/7/2009	0.15 (o)	
5/3/2010	0.025	
10/12/2010	0.029	
4/27/2011	0.026	
10/17/2011	0.021	
5/2/2012	0.0212	
10/8/2012	0.019	
4/12/2013	0.022	
10/16/2013	0.02	
4/11/2014	0.018	
9/30/2014	0.013	
3/30/2015	0.021	
10/13/2015	0.012	
3/22/2016	0.0182	
5/19/2016	0.0193	
7/29/2016	0.0174	
9/23/2016	0.0168	
11/9/2016	0.0171	
1/30/2017	0.019	
3/30/2017	0.0184	
6/9/2017	0.0174	
10/2/2017	0.0167	
3/16/2018	0.016	
9/17/2018	0.015 (D)	
3/20/2019		0.019
9/12/2019		0.018
3/11/2020		0.016
9/15/2020		0.019

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	0.0073	
10/24/2007	0.027	
11/18/2007	0.13 (o)	
1/31/2008	0.0077	
3/11/2008	0.015	
5/6/2008	0.017	
12/4/2008	0.14 (o)	
4/21/2009	0.018	
10/7/2009	0.014	
4/26/2010	0.017	
10/4/2010	0.011	
4/13/2011	0.026	
10/5/2011	0.021	
4/11/2012	0.0311	
10/9/2012	0.018	
4/15/2013	0.056	
10/15/2013	0.018	
4/22/2014	0.035	
9/30/2014	0.0041	
3/30/2015	0.036	
10/13/2015	0.0048	
3/23/2016	0.0271	
5/20/2016	0.0206	
7/29/2016	0.0275	
9/23/2016	0.0384	
11/9/2016	0.0266	
1/31/2017	0.0094 (J)	
3/30/2017	0.0262	
6/12/2017	0.0288	
10/2/2017	0.0048 (J)	
3/19/2018	0.037	
9/14/2018	0.0059 (J)	
3/20/2019		0.0072 (J)
9/12/2019		0.0058 (JD)
3/11/2020		0.035
9/15/2020		0.019

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0098	
10/24/2007	0.015	
11/18/2007	0.011	
1/31/2008	0.13 (O)	
3/10/2008	0.0078	
5/13/2008	0.0077	
12/4/2008	0.0089	
4/21/2009	0.013	
10/8/2009	0.008	
4/21/2010	0.01	
9/28/2010	0.0036	
4/12/2011	0.0084	
10/4/2011	0.0066	
4/3/2012	0.0625 (O)	
10/9/2012	0.01	
4/11/2013	0.021	
10/16/2013	0.033	
4/10/2014	0.021	
9/30/2014	0.0062	
3/30/2015	0.011	
10/13/2015	0.0065	
3/23/2016	0.0206	
5/19/2016	0.0109	
7/29/2016	0.007 (J)	
9/22/2016	0.0071 (J)	
11/10/2016	0.0052 (J)	
1/31/2017	0.0076 (J)	
4/3/2017	0.007 (J)	
6/9/2017	0.0074 (J)	
10/2/2017	0.0085 (J)	
3/16/2018	0.015	
9/14/2018	0.0095 (J)	
3/19/2019		0.024
9/13/2019		0.012
3/11/2020		0.027
9/15/2020		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0273	
4/7/2017	0.024	
6/14/2017	0.027	
7/12/2017	0.027	
7/20/2017	0.0304	
7/28/2017	0.0269	
8/9/2017	0.0254	
8/24/2017	0.0285	
10/3/2017	0.0294	
3/21/2018	0.03	
9/18/2018	0.032	
3/21/2019		0.04
9/12/2019		0.034
3/12/2020		0.053
9/17/2020		0.036

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.016	
4/23/2009	0.14 (O)	
10/6/2009	0.12 (O)	
5/3/2010	0.12 (O)	
10/11/2010	0.019	
4/27/2011	0.02	
10/19/2011	0.014	
5/1/2012	0.0199	
10/2/2012	0.015	
4/10/2013	0.016	
10/16/2013	0.017	
4/22/2014	0.017	
10/1/2014	0.013	
3/30/2015	0.014	
10/11/2015	0.0093	
3/28/2016	0.0155	
5/25/2016	0.0143	
8/1/2016	0.0129	
9/26/2016	0.0177	
11/11/2016	0.0117	
1/30/2017	0.0113	
4/3/2017	0.0166	
6/12/2017	0.017	
10/2/2017	0.0157	
3/16/2018	0.012	
9/18/2018	0.0099 (J)	
3/19/2019		0.013
9/12/2019		0.011
3/11/2020		0.0095 (J)
9/15/2020		0.0089 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.027	
11/1/2007	0.024	
11/20/2007	0.022	
1/30/2008	0.033 (J)	
3/6/2008	0.019	
5/8/2008	0.017	
12/14/2008	0.02	
4/29/2009	0.017	
10/21/2009	0.021	
4/21/2010	0.019	
9/28/2010	0.018	
4/12/2011	0.017	
10/4/2011	0.022	
4/3/2012	0.0212	
10/8/2012	0.019	
4/3/2013	0.021	
10/15/2013	0.022	
4/9/2014	0.02	
10/2/2014	0.023	
4/2/2015	0.022	
10/12/2015	0.028	
3/31/2016	0.0273	
5/26/2016	0.0305	
8/3/2016	0.0284	
9/28/2016	0.036	
11/22/2016	0.0341 (J)	
2/7/2017	0.0309	
4/10/2017	0.0235	
6/14/2017	0.0258	
10/4/2017	0.0234	
3/21/2018	0.022	
9/18/2018	0.03	
3/22/2019		0.022
9/17/2019		0.03
3/12/2020		0.028
9/17/2020		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	0.01	
11/1/2007	0.012	
11/18/2007	0.011	
1/30/2008	0.013	
3/6/2008	0.017	
5/7/2008	0.0066	
12/14/2008	0.013	
4/29/2009	0.0098	
10/22/2009	0.013	
4/21/2010	0.0069	
9/29/2010	0.0049	
4/13/2011	0.0074	
10/4/2011	0.0062	
4/4/2012	0.0091	
10/3/2012	0.0089	
4/3/2013	0.012	
10/9/2013	0.0079	
4/2/2014	0.0086	
10/2/2014	0.01	
4/1/2015	0.019	
10/11/2015	0.014	
4/4/2016	0.0176	
5/26/2016	0.0195	
8/4/2016	0.0151	
9/28/2016	0.0132	
11/22/2016	0.0186 (J)	
2/8/2017	0.015	
4/10/2017	0.0172	
6/15/2017	0.0167	
10/4/2017	0.0156	
3/22/2018	0.017	
9/18/2018	0.017	
3/23/2019		0.019
9/17/2019		0.018
3/12/2020		0.021
9/21/2020		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.015	
11/2/2007	0.024	
11/17/2007	0.027	
1/15/2008	0.022	
3/6/2008	0.021	
5/7/2008	0.023	
12/2/2008	0.024	
4/28/2009	0.031	
10/19/2009	0.027	
4/27/2010	0.051 (o)	
10/4/2010	0.028	
4/18/2011	0.026	
10/12/2011	0.026	
4/23/2012	0.0224	
10/10/2012	0.024	
4/15/2013	0.029	
10/22/2013	0.022	
4/21/2014	0.025	
9/30/2014	0.022	
4/3/2015	0.022	
10/7/2015	0.023	
4/5/2016	0.0308	
5/31/2016	0.0255	
8/4/2016	0.0227	
9/29/2016	0.0258	
11/23/2016	0.0263 (J)	
2/10/2017	0.025	
4/12/2017	0.026	
6/15/2017	0.0244	
10/6/2017	0.0254	
3/23/2018	0.021	
9/19/2018	0.02	
3/25/2019		0.021
9/17/2019		0.023
3/13/2020		0.02
9/21/2020		0.021

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	0.016	
6/18/2015	0.015 (D)	
7/2/2015	0.014	
10/9/2015	0.012	
3/29/2016	0.000768 (J)	
5/24/2016	0.00847 (J)	
8/1/2016	0.0086 (J)	
9/26/2016	0.0086 (J)	
11/14/2016	0.0083 (J)	
2/1/2017	0.0096 (J)	
4/6/2017	0.0087 (J)	
6/13/2017	<0.01	
10/3/2017	0.0098 (J)	
3/20/2018	0.0088 (J)	
9/17/2018	0.0082 (J)	
3/21/2019		0.0075 (J)
9/16/2019		0.0072 (J)
3/12/2020		0.0072 (J)
9/16/2020		0.0066 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	0.015	
4/30/2012	0.0192	
10/3/2012	0.017	
4/8/2013	0.018	
10/9/2013	0.021	
4/10/2014	0.019	
10/2/2014	0.014	
4/3/2015	0.014	
10/8/2015	0.024	
3/30/2016	0.0163	
5/24/2016	0.0137	
8/2/2016	0.0152	
9/27/2016	0.0147	
11/22/2016	0.0174 (J)	
2/6/2017	0.0144	
4/6/2017	0.0149	
6/14/2017	0.0139	
10/4/2017	0.015	
3/21/2018	0.015	
9/18/2018	0.014	
3/27/2019		0.014
9/16/2019		0.015 (D)
3/12/2020		0.014
9/17/2020		0.014

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
9/30/2014	<0.003	
3/30/2015	0.00029 (J)	
10/13/2015	<0.003	
3/22/2016	<0.003	
5/19/2016	<0.003	
7/29/2016	<0.003	
9/23/2016	<0.003	
11/9/2016	<0.003	
1/30/2017	<0.003	
3/30/2017	<0.003	
6/9/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003 (D)	
3/20/2019		<0.003
9/12/2019		<0.003
3/11/2020		<0.003
9/15/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
10/1/2014	<0.003	
3/30/2015	0.0002 (J)	
10/11/2015	<0.003	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/11/2016	<0.003	
1/30/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/18/2018	<0.003	
3/19/2019		<0.003
9/12/2019		<0.003
3/11/2020		<0.003
9/15/2020		8.5E-05 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	8.8E-05 (J)	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/14/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	6.8E-05 (J)	
9/17/2018	5.8E-05 (J)	
3/21/2019		7.6E-05 (J)
9/16/2019		<0.003
3/12/2020		9.3E-05 (J)
9/16/2020		6.7E-05 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/2/2014	<0.003	
4/3/2015	<0.003	
10/8/2015	0.00025 (J)	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019		<0.003
9/16/2019		<0.003 (D)
3/12/2020		<0.003
9/17/2020		<0.003

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.001	
10/23/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/5/2008	<0.001	
4/15/2009	<0.001	
10/7/2009	<0.001	
5/3/2010	<0.001	
10/12/2010	<0.001	
4/27/2011	<0.001	
10/17/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/12/2013	<0.001	
10/16/2013	<0.001	
4/11/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	<0.001	
10/13/2015	0.0003 (J)	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/30/2017	<0.001	
3/30/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/17/2018	0.00076 (D)	
3/20/2019		<0.001
9/12/2019		<0.001
3/11/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/20/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/8/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/21/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/8/2012	<0.001	
4/3/2013	<0.001	
10/15/2013	<0.001	
4/9/2014	<0.001	
10/2/2014	<0.001	
4/2/2015	<0.001	
10/12/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	0.0002 (J)	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019		<0.001
9/17/2019		<0.001
3/12/2020		<0.001
9/17/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/22/2009	<0.001	
4/21/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/9/2013	<0.001	
4/2/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	0.00033 (J)	
10/11/2015	0.00056 (J)	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001
9/17/2019		<0.001
3/12/2020		<0.001
9/21/2020		<0.001

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/28/2009	<0.001	
10/19/2009	<0.001	
4/27/2010	<0.001	
10/4/2010	<0.001	
4/18/2011	<0.001	
10/12/2011	<0.001	
4/23/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	0.00028 (J)	
4/5/2016	0.027 (o)	
5/31/2016	0.000206 (J)	
8/4/2016	<0.001	
9/29/2016	0.0002 (J)	
11/23/2016	0.0001 (J)	
2/10/2017	<0.001	
4/12/2017	<0.001	
6/15/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/25/2019		<0.001
9/17/2019		<0.001
3/13/2020		<0.001
9/21/2020		<0.001

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	0.011	
11/18/2007	0.038 (o)	
1/30/2008	0.11 (O)	
3/10/2008	0.038	
5/13/2008	0.012	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0065	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	0.0019	
10/16/2013	0.0024	
4/11/2014	0.0013 (J)	
9/30/2014	<0.01	
3/30/2015	0.0047	
10/13/2015	<0.01	
3/22/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	0.0011 (J)	
1/30/2017	<0.01	
3/30/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01
9/12/2019		<0.01
3/11/2020		0.0012 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	0.0045	
10/24/2007	0.039 (o)	
11/18/2007	0.059 (o)	
1/31/2008	0.0067	
3/11/2008	0.03 (o)	
5/6/2008	0.0062	
12/4/2008	0.009	
4/21/2009	0.0022	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	0.0013	
10/15/2013	0.0023	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0011 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/20/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	0.0008 (J)	
10/2/2017	<0.01	
3/19/2018	0.0031 (J)	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		<0.01 (D)
3/11/2020		0.0025 (J)
9/15/2020		0.00086 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	0.0033	
11/18/2007	0.012	
1/31/2008	0.052 (O)	
3/10/2008	0.01	
5/13/2008	0.0068	
12/4/2008	0.0017	
4/21/2009	<0.01	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	<0.01	
11/10/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01
9/13/2019		<0.01
3/11/2020		0.0042 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0031	
10/6/2009	0.0024	
5/3/2010	<0.01	
10/11/2010	0.0028	
4/27/2011	0.0041	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	0.0019	
4/10/2013	0.0027	
10/16/2013	0.0029	
4/22/2014	0.0024	
10/1/2014	<0.01	
3/30/2015	0.0022	
10/11/2015	<0.01	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/11/2016	<0.01	
1/30/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	0.0005 (J)	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01
9/12/2019		<0.01
3/11/2020		<0.01
9/15/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.036 (o)	
11/1/2007	0.01	
11/20/2007	0.0039	
1/30/2008	0.019 (o)	
3/6/2008	<0.01	
5/8/2008	0.01	
12/14/2008	0.0038	
4/29/2009	<0.01	
10/21/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	0.0019	
4/3/2012	<0.01	
10/8/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/12/2015	<0.01	
3/31/2016	<0.01	
5/26/2016	<0.01	
8/3/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/7/2017	0.0019 (J)	
4/10/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		0.00067 (J)
3/12/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	0.037	
11/1/2007	0.04	
11/18/2007	0.045	
1/30/2008	0.041	
3/6/2008	0.042	
5/7/2008	0.029	
12/14/2008	0.032	
4/29/2009	0.017	
10/22/2009	0.022	
4/21/2010	0.021	
9/29/2010	0.024	
4/13/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.014	
10/3/2012	0.0033	
4/3/2013	0.017	
10/9/2013	0.015	
4/2/2014	0.014	
10/2/2014	0.0048	
4/1/2015	0.0084	
10/11/2015	0.019	
4/4/2016	0.00728 (J)	
5/26/2016	0.00553 (J)	
8/4/2016	0.0071 (J)	
9/28/2016	0.0093 (J)	
11/22/2016	0.0058 (J)	
2/8/2017	0.0072 (J)	
4/10/2017	<0.01	
6/15/2017	0.0066 (J)	
10/4/2017	0.0079 (J)	
3/22/2018	0.0062 (J)	
9/18/2018	0.0062 (J)	
3/23/2019		0.0048 (J)
9/17/2019		0.0042 (J)
3/12/2020		0.0042 (J)
9/21/2020		0.0056 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	0.0042	
11/19/2007	0.0049	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	0.019 (o)	
4/29/2009	0.002	
10/21/2009	0.002	
4/28/2010	0.0049	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	0.0015	
4/2/2013	0.0017	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01 (D)	
6/1/2016	<0.01 (D)	
2/22/2017	0.0012 (J)	
4/11/2017	<0.01	
6/16/2017	<0.01	
7/12/2017	<0.01	
7/28/2017	<0.01	
8/10/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		0.002 (J)
9/22/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.014	
11/2/2007	0.0036	
11/17/2007	0.031 (o)	
1/15/2008	0.011	
3/6/2008	0.0027	
5/7/2008	0.008	
12/2/2008	0.0059	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	0.0013	
4/18/2011	<0.01	
10/12/2011	0.0014	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	0.0021	
10/22/2013	<0.01	
4/21/2014	0.0013 (J)	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/12/2017	<0.01	
6/15/2017	0.0005 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01
9/17/2019		0.00044 (J)
3/13/2020		0.0011 (J)
9/21/2020		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0015	
6/18/2015	0.0013 (D)	
7/2/2015	0.0014	
10/9/2015	0.0015	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	0.002 (J)	
11/14/2016	<0.01	
2/1/2017	0.0017 (J)	
4/6/2017	<0.01	
6/13/2017	0.0015 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0017 (J)	
9/17/2018	0.002 (J)	
3/21/2019		0.0025 (J)
9/16/2019		0.002 (J)
3/12/2020		0.0028 (J)
9/16/2020		0.0023 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0019	
4/10/2014	0.0034	
10/2/2014	0.0056	
4/3/2015	0.0022	
10/8/2015	0.0033	
3/30/2016	0.0228 (o)	
5/24/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/22/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/14/2017	0.0009 (J)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		0.0021 (J)
9/16/2019		0.000465 (JD)
3/12/2020		0.0031 (J)
9/17/2020		0.00086 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	0.0045	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0041	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0012 (J)	
10/13/2015	<0.01	
3/22/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	0.0004 (J)	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/30/2017	<0.01	
3/30/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		0.00078 (J)
9/12/2019		0.00047 (J)
3/11/2020		0.00037 (J)
9/15/2020		0.00048 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	0.013	
11/18/2007	0.0041	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/6/2008	<0.01	
12/4/2008	0.012	
4/21/2009	<0.01	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/20/2016	<0.01	
7/29/2016	<0.01	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		<0.01 (D)
3/11/2020		<0.01
9/15/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	<0.01	
1/31/2008	0.0083 (O)	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/4/2008	<0.01	
4/21/2009	<0.01	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/19/2016	<0.01	
7/29/2016	<0.01	
9/22/2016	<0.01	
11/10/2016	<0.01	
1/31/2017	<0.01	
4/3/2017	<0.01	
6/9/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01
9/13/2019		<0.01
3/11/2020		<0.01
9/15/2020		0.001 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.01	
4/7/2017	0.0018 (J)	
6/14/2017	0.0045 (J)	
7/12/2017	0.0046 (J)	
7/20/2017	0.0109	
7/28/2017	0.0104	
8/9/2017	0.0022 (J)	
8/24/2017	0.0076 (J)	
10/3/2017	0.0028 (J)	
3/21/2018	0.014	
9/18/2018	0.017	
3/21/2019		0.022
9/12/2019		0.02
3/12/2020		0.013
9/17/2020		0.019

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0029	
10/6/2009	<0.01	
5/3/2010	<0.01	
10/11/2010	<0.01	
4/27/2011	0.0028	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	<0.01	
4/10/2013	0.0014	
10/16/2013	0.0014	
4/22/2014	0.0013	
10/1/2014	<0.01	
3/30/2015	0.00079 (J)	
10/11/2015	<0.01	
3/28/2016	<0.01	
5/25/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	<0.01	
11/11/2016	<0.01	
1/30/2017	<0.01	
4/3/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01
9/12/2019		<0.01
3/11/2020		<0.01
9/15/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.11 (o)	
5/7/2008	<0.01	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	0.0026	
10/11/2015	0.00065 (J)	
4/4/2016	<0.01	
5/26/2016	<0.01	
8/4/2016	<0.01	
9/28/2016	<0.01	
11/22/2016	<0.01	
2/8/2017	<0.01	
4/10/2017	<0.01	
6/15/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	0.0079	
4/29/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
6/1/2016	<0.01	
2/22/2017	<0.01	
4/11/2017	<0.01	
6/16/2017	<0.01	
7/12/2017	<0.01	
7/28/2017	<0.01	
8/10/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		<0.01
9/22/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/23/2016	<0.01	
2/10/2017	<0.01	
4/12/2017	0.0006 (J)	
6/15/2017	0.0004 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	0.0013 (J)	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.0014	
3/30/2016	<0.01	
5/24/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/22/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/14/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01
9/16/2019		<0.01 (D)
3/12/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.0066	
10/23/2007	0.0076	
11/18/2007	0.0055 (J)	
1/30/2008	0.0094	
3/10/2008	0.0056	
5/13/2008	0.0027	
12/5/2008	<0.025	
4/15/2009	<0.025	
10/7/2009	0.0076	
5/3/2010	<0.025	
10/12/2010	<0.025	
4/27/2011	<0.025	
10/17/2011	<0.025	
5/2/2012	<0.025	
10/8/2012	<0.025	
4/12/2013	<0.025	
10/16/2013	<0.025	
4/11/2014	0.005 (J)	
9/30/2014	<0.025	
3/30/2015	0.0033 (J)	
10/13/2015	0.0013 (J)	
3/22/2016	<0.025	
7/29/2016	<0.025	
3/30/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.025	
9/17/2018	<0.025 (D)	
3/20/2019		<0.025
9/12/2019		<0.025
3/11/2020		<0.025
9/15/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.025	
10/24/2007	0.0088	
11/18/2007	0.0075	
1/31/2008	<0.025	
3/11/2008	0.0068	
5/6/2008	<0.025	
12/4/2008	0.013	
4/21/2009	<0.025	
10/7/2009	<0.025	
4/26/2010	<0.025	
10/4/2010	0.0027	
4/13/2011	0.0029	
10/5/2011	<0.025	
4/11/2012	<0.025	
10/9/2012	<0.025	
4/15/2013	<0.025	
10/15/2013	<0.025	
4/22/2014	<0.025	
9/30/2014	<0.025	
3/30/2015	<0.025	
10/13/2015	<0.025	
3/23/2016	<0.025	
7/29/2016	0.0032 (J)	
3/30/2017	<0.025	
10/2/2017	<0.025	
3/19/2018	0.0025 (J)	
9/14/2018	<0.025	
3/20/2019		<0.025
9/12/2019		0.01273 (D)
3/11/2020		0.0002 (J)
9/15/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0036	
10/24/2007	<0.025	
11/18/2007	0.013	
1/31/2008	0.0069	
3/10/2008	0.0044	
5/13/2008	0.0033	
12/4/2008	<0.025	
4/21/2009	<0.025	
10/8/2009	<0.025	
4/21/2010	<0.025	
9/28/2010	<0.025	
4/12/2011	<0.025	
10/4/2011	<0.025	
4/3/2012	<0.025	
10/9/2012	<0.025	
4/11/2013	<0.025	
10/16/2013	<0.025	
4/10/2014	0.005 (J)	
9/30/2014	<0.025	
3/30/2015	<0.025	
10/13/2015	<0.025	
3/23/2016	<0.025	
7/29/2016	0.0006 (J)	
4/3/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.025	
9/14/2018	<0.025	
3/19/2019		<0.025
9/13/2019		0.00055 (J)
3/11/2020		0.0011 (J)
9/15/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	0.0004 (J)	
10/3/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/21/2019		<0.025
9/12/2019		0.00045 (J)
3/12/2020		0.0002 (J)
9/17/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.064 (O)	
4/23/2009	0.034	
10/6/2009	0.026	
5/3/2010	0.014	
10/11/2010	0.014	
4/27/2011	0.028	
10/19/2011	<0.013	
5/1/2012	0.0198	
10/2/2012	0.011	
4/10/2013	0.018	
10/16/2013	0.016	
4/22/2014	0.014	
10/1/2014	0.0041 (J)	
3/30/2015	0.012	
10/11/2015	0.0049 (J)	
3/28/2016	0.00734 (J)	
8/1/2016	0.0049 (J)	
4/3/2017	0.0023 (J)	
10/2/2017	0.0023 (J)	
3/16/2018	0.0035 (J)	
9/18/2018	0.0041 (J)	
3/19/2019		0.0029 (J)
9/12/2019		0.0028 (J)
3/11/2020		0.0035 (J)
9/15/2020		0.0031 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.007	
11/1/2007	<0.025	
11/20/2007	0.0032	
1/30/2008	0.0039	
3/6/2008	<0.025	
5/8/2008	0.0039	
12/14/2008	0.0046	
4/29/2009	<0.025	
10/21/2009	<0.025	
4/21/2010	<0.025	
9/28/2010	<0.025	
4/12/2011	<0.025	
10/4/2011	<0.025	
4/3/2012	<0.025	
10/8/2012	<0.025	
4/3/2013	<0.025	
10/15/2013	<0.025	
4/9/2014	<0.025	
10/2/2014	<0.025	
4/2/2015	<0.025	
10/12/2015	<0.025	
3/31/2016	<0.025	
8/3/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/22/2019		<0.025
9/17/2019		0.00029 (J)
3/12/2020		<0.025
9/17/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	0.0032	
11/1/2007	0.0031	
11/18/2007	<0.025	
1/30/2008	<0.025	
3/6/2008	<0.025	
5/7/2008	0.0029	
12/14/2008	<0.025	
4/29/2009	<0.025	
10/22/2009	<0.025	
4/21/2010	<0.025	
9/29/2010	<0.025	
4/13/2011	<0.025	
10/4/2011	<0.025	
4/4/2012	<0.025	
10/3/2012	<0.025	
4/3/2013	<0.025	
10/9/2013	<0.025	
4/2/2014	0.005 (J)	
10/2/2014	0.0022 (J)	
4/1/2015	0.019	
10/11/2015	0.013	
4/4/2016	<0.025	
8/4/2016	<0.025	
4/10/2017	<0.025	
10/4/2017	<0.025	
3/22/2018	<0.025	
9/18/2018	<0.025	
3/23/2019		<0.025
9/17/2019		0.00031 (J)
3/12/2020		0.00032 (J)
9/21/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.025	
11/1/2007	<0.025	
11/19/2007	0.0043	
1/31/2008	<0.025	
3/5/2008	<0.025	
5/7/2008	<0.025	
12/12/2008	0.013	
4/29/2009	0.0029	
10/21/2009	<0.025	
4/28/2010	0.0032	
10/6/2010	<0.025	
4/20/2011	<0.025	
10/12/2011	<0.025	
4/25/2012	<0.025	
10/2/2012	<0.025	
4/2/2013	<0.025	
10/8/2013	<0.025	
4/1/2014	0.005 (J)	
10/1/2014	<0.025	
3/31/2015	<0.025	
10/14/2015	<0.025	
4/4/2016	<0.025	
4/11/2017	<0.025	
10/6/2017	<0.025	
3/23/2018	<0.025	
9/20/2018	<0.025	
3/22/2019		<0.025
9/18/2019		0.00021 (X)
3/17/2020		0.00045 (J)
9/22/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.025	
11/2/2007	<0.025	
11/17/2007	0.02	
1/15/2008	0.0043	
3/6/2008	<0.025	
5/7/2008	0.0026	
12/2/2008	<0.025	
4/28/2009	0.003	
10/19/2009	<0.025	
4/27/2010	<0.025	
10/4/2010	0.0025	
4/18/2011	<0.025	
10/12/2011	<0.025	
4/23/2012	<0.025	
10/10/2012	<0.025	
4/15/2013	<0.025	
10/22/2013	<0.025	
4/21/2014	<0.025	
9/30/2014	<0.025	
4/3/2015	<0.025	
10/7/2015	0.00093 (J)	
4/5/2016	<0.025	
8/4/2016	0.0007 (J)	
4/12/2017	<0.025	
10/6/2017	0.0003 (J)	
3/23/2018	<0.025	
9/19/2018	<0.025	
3/25/2019		<0.025
9/17/2019		<0.025
3/13/2020		0.00029 (J)
9/21/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.025	
6/18/2015	<0.025 (D)	
7/2/2015	<0.025	
10/9/2015	<0.025	
3/29/2016	<0.025	
8/1/2016	<0.025	
4/6/2017	<0.025	
10/3/2017	<0.025	
3/20/2018	<0.025	
9/17/2018	<0.025	
3/21/2019		<0.025
9/16/2019		<0.025
3/12/2020		0.00028 (J)
9/16/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.025	
4/30/2012	<0.025	
10/3/2012	<0.025	
4/8/2013	<0.025	
10/9/2013	<0.025	
4/10/2014	<0.025	
10/2/2014	<0.025	
4/3/2015	<0.025	
10/8/2015	0.002 (J)	
3/30/2016	<0.025	
8/2/2016	<0.025	
4/6/2017	<0.025	
10/4/2017	<0.025	
3/21/2018	<0.025	
9/18/2018	<0.025	
3/27/2019		<0.025
9/16/2019		<0.025 (D)
3/12/2020		<0.025
9/17/2020		<0.025

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0028 (J)	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0002 (J)	
9/23/2016	<0.005	
11/9/2016	0.0004 (J)	
1/30/2017	<0.005	
3/30/2017	8E-05 (J)	
6/9/2017	0.0001 (J)	
10/2/2017	0.0002 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019		<0.005
9/12/2019		<0.005
3/11/2020		<0.005
9/15/2020		9.3E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	0.0001 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019		<0.005
9/12/2019		0.002536 (D)
3/11/2020		<0.005
9/15/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019		<0.005
9/13/2019		<0.005
3/11/2020		5.8E-05 (J)
9/15/2020		5E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0002 (J)	
4/7/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
7/20/2017	<0.005	
7/28/2017	<0.005	
8/9/2017	<0.005	
8/24/2017	<0.005	
10/3/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019		<0.005
9/12/2019		6.5E-05 (J)
3/12/2020		<0.005
9/17/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
5/3/2010	<0.005	
10/11/2010	<0.005	
4/27/2011	<0.005	
10/19/2011	<0.005	
5/1/2012	0.0012	
10/2/2012	<0.005	
4/10/2013	<0.005	
10/16/2013	<0.005	
4/22/2014	<0.005	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019		<0.005
9/12/2019		<0.005
3/11/2020		<0.005
9/15/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/8/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019		<0.005
9/17/2019		0.00017 (J)
3/12/2020		<0.005
9/17/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/4/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019		<0.005
9/17/2019		8.2E-05 (J)
3/12/2020		4.6E-05 (J)
9/21/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	0.0003 (J)	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019		<0.005
9/18/2019		4.8E-05 (X)
3/17/2020		<0.005
9/22/2020		7.1E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	0.0008 (J)	
11/23/2016	0.0011 (J)	
2/10/2017	<0.005	
4/12/2017	<0.005	
6/15/2017	0.0005 (J)	
10/6/2017	0.0004 (J)	
3/23/2018	0.00028 (J)	
9/19/2018	0.00029 (J)	
3/25/2019		0.00047 (J)
9/17/2019		0.00016 (J)
3/13/2020		0.00037 (J)
9/21/2020		0.00093 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	7E-05 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019		<0.005
9/16/2019		<0.005
3/12/2020		7E-05 (J)
9/16/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	<0.005	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	0.0001 (J)	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019		<0.005
9/16/2019		<0.005 (D)
3/12/2020		5.6E-05 (J)
9/17/2020		8E-05 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.0005	
10/24/2007	<0.0005	
11/18/2007	<0.0005	
1/31/2008	<0.0005	
3/11/2008	<0.0005	
5/6/2008	0.000175	
12/4/2008	<0.0005	
4/21/2009	<0.0005	
10/7/2009	<0.0005	
4/26/2010	<0.0005	
10/4/2010	<0.0005	
4/13/2011	<0.0005	
10/5/2011	<0.0005	
4/11/2012	<0.0005	
10/9/2012	<0.0005	
4/15/2013	<0.0005	
10/15/2013	<0.0005	
4/22/2014	<0.0005	
9/30/2014	<0.0005	
3/30/2015	<0.0005	
10/13/2015	<0.0005	
3/23/2016	<0.0005	
5/20/2016	<0.0005	
7/29/2016	<0.0005	
9/23/2016	<0.0005	
11/9/2016	<0.0005	
1/31/2017	<0.0005	
3/30/2017	<0.0005	
6/12/2017	<0.0005	
10/2/2017	<0.0005	
3/19/2018	<0.0005	
9/14/2018	<0.0005	
3/20/2019		<0.0005
9/12/2019		<0.0005 (D)
3/11/2020		<0.0005
9/15/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/19/2007	<0.0005	
1/31/2008	<0.0005	
3/5/2008	<0.0005	
5/7/2008	<0.0005	
12/12/2008	<0.0005	
4/29/2009	<0.0005	
10/21/2009	<0.0005	
4/28/2010	<0.0005	
10/6/2010	<0.0005	
4/20/2011	<0.0005	
10/12/2011	<0.0005	
4/25/2012	<0.0005	
10/2/2012	<0.0005	
4/2/2013	<0.0005	
10/8/2013	<0.0005	
4/1/2014	0.0002 (J)	
10/1/2014	<0.0005	
3/31/2015	<0.0005	
10/14/2015	<0.0005	
4/4/2016	<0.0005	
6/1/2016	<0.0005	
2/22/2017	<0.0005	
4/11/2017	<0.0005	
6/16/2017	<0.0005	
7/12/2017	<0.0005	
7/28/2017	<0.0005	
8/10/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/20/2018	<0.0005	
3/22/2019		<0.0005
9/18/2019		<0.0005
3/17/2020		<0.0005
9/22/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.0005	
11/2/2007	<0.0005	
11/17/2007	<0.0005	
1/15/2008	<0.0005	
3/6/2008	<0.0005	
5/7/2008	<0.0005	
12/2/2008	<0.0005	
4/28/2009	<0.0005	
10/19/2009	<0.0005	
4/27/2010	<0.0005	
10/4/2010	<0.0005	
4/18/2011	<0.0005	
10/12/2011	<0.0005	
4/23/2012	<0.0005	
10/10/2012	<0.0005	
4/15/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/7/2015	<0.0005	
4/5/2016	<0.0005	
5/31/2016	<0.0005	
8/4/2016	<0.0005	
9/29/2016	<0.0005	
11/23/2016	5E-05 (J)	
2/10/2017	<0.0005	
4/12/2017	<0.0005	
6/15/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/25/2019		<0.0005
9/17/2019		<0.0005
3/13/2020		<0.0005
9/21/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.0005	
4/30/2012	<0.0005	
10/3/2012	<0.0005	
4/8/2013	<0.0005	
10/9/2013	<0.0005	
4/10/2014	<0.0005	
10/2/2014	3.83E-05 (J)	
4/3/2015	<0.0005	
10/8/2015	<0.0005	
3/30/2016	<0.0005	
5/24/2016	<0.0005	
8/2/2016	<0.0005	
9/27/2016	<0.0005	
11/22/2016	8E-05 (J)	
2/6/2017	<0.0005	
4/6/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/27/2019		<0.0005
9/16/2019		<0.0005 (D)
3/12/2020		<0.0005
9/17/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	0.0096	
11/18/2007	0.023	
1/30/2008	0.11 (o)	
3/10/2008	0.024	
5/13/2008	0.006	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0096	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.004	
10/13/2015	<0.01	
3/22/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	0.0004 (J)	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01
9/12/2019		0.00038 (J)
3/11/2020		0.00068 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	0.026 (o)	
11/18/2007	0.043 (o)	
1/31/2008	0.0075	
3/11/2008	0.019	
5/6/2008	0.004	
12/4/2008	0.02	
4/21/2009	<0.01	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	0.0025	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	0.0028	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0018 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	0.0006 (J)	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		0.00518 (D)
3/11/2020		0.0014 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	0.0025	
11/18/2007	0.0093	
1/31/2008	0.054 (o)	
3/10/2008	0.0054	
5/13/2008	0.0043	
12/4/2008	<0.01	
4/21/2009	<0.01	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01
9/13/2019		<0.01
3/11/2020		0.002 (J)
9/15/2020		0.0013 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01
9/12/2019		0.00032 (J)
3/12/2020		0.00034 (J)
9/17/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.0096	
4/23/2009	0.015	
10/6/2009	0.008	
5/3/2010	0.0053	
10/11/2010	0.0061	
4/27/2011	0.0087	
10/19/2011	0.0039	
5/1/2012	0.0054	
10/2/2012	0.0044	
4/10/2013	0.0053	
10/16/2013	0.0047	
4/22/2014	0.0045	
10/1/2014	0.0018 (J)	
3/30/2015	0.0037	
10/11/2015	0.0018 (J)	
3/28/2016	0.0028 (J)	
8/1/2016	<0.01	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0014 (J)	
9/18/2018	0.0012 (J)	
3/19/2019		0.0016 (J)
9/12/2019		0.0015 (J)
3/11/2020		0.001 (J)
9/15/2020		0.0012 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	<0.01	
11/1/2007	0.006	
11/20/2007	<0.01	
1/30/2008	0.029 (O)	
3/6/2008	<0.01	
5/8/2008	0.0057	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/21/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/8/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/12/2015	<0.01	
3/31/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0006 (J)	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/22/2019		<0.01
9/17/2019		<0.01
3/12/2020		0.00043 (J)
9/17/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0046	
5/7/2008	<0.01	
12/14/2008	<0.01	
4/29/2009	<0.01	
10/22/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	0.0041	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	0.0033	
11/19/2007	0.0029	
1/31/2008	0.0039	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	0.022 (O)	
4/29/2009	0.0034	
10/21/2009	<0.01	
4/28/2010	0.0026	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		0.00082 (J)
9/22/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.0089	
11/2/2007	0.0036	
11/17/2007	0.014 (O)	
1/15/2008	0.0096	
3/6/2008	0.0038	
5/7/2008	0.0056	
12/2/2008	0.003	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	0.004	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	0.001 (J)	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		0.0011 (J)
9/17/2019		0.00057 (J)
3/13/2020		0.00072 (J)
9/21/2020		0.0015 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	<0.01	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.003	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	0.0003 (J)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01
9/16/2019		<0.01 (D)
3/12/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	<0.01	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/6/2008	<0.01	
12/4/2008	<0.01	
4/21/2009	<0.01	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
5/20/2016	0.00216 (J)	
7/29/2016	0.001 (J)	
9/23/2016	<0.01	
11/9/2016	<0.01	
1/31/2017	<0.01	
3/30/2017	<0.01	
6/12/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	0.0016 (J)	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		<0.01 (D)
3/11/2020		0.0021 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	<0.01	
4/29/2009	<0.01	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
6/1/2016	<0.01	
2/22/2017	0.0014 (J)	
4/11/2017	0.0024 (J)	
6/16/2017	<0.01	
7/12/2017	0.0019 (J)	
7/28/2017	<0.01	
8/10/2017	0.0019 (J)	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		<0.01
9/22/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
5/31/2016	<0.01	
8/4/2016	<0.01	
9/29/2016	<0.01	
11/23/2016	0.0016 (J)	
2/10/2017	<0.01	
4/12/2017	<0.01	
6/15/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01
9/17/2019		<0.01
3/13/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.0025	
4/23/2009	<0.0025	
10/6/2009	0.0048	
5/3/2010	<0.0025	
10/11/2010	<0.0025	
4/27/2011	0.004	
10/19/2011	<0.0025	
5/1/2012	<0.0025	
10/2/2012	<0.0025	
4/10/2013	<0.0025	
10/16/2013	0.0034	
4/22/2014	0.0034	
10/1/2014	0.0012 (J)	
3/30/2015	0.003	
10/11/2015	0.0018 (J)	
3/28/2016	0.0022 (J)	
8/1/2016	0.0016 (J)	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0023 (J)	
9/18/2018	0.0017 (J)	
3/19/2019		0.0017 (J)
9/12/2019		0.0028 (J)
3/11/2020		0.0013 (J)
9/15/2020		0.0012 (J)

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/31/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	<0.01	
12/12/2008	<0.01	
4/29/2009	0.0026	
10/21/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/20/2011	<0.01	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	<0.01	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		<0.01
9/22/2020		<0.01

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/30/2015	7E-05	
10/13/2015	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/19/2019		<0.001
9/13/2019		6.2E-05 (J)
3/11/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
10/11/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/11/2016	<0.001	
1/30/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/18/2018	<0.001	
3/19/2019		<0.001
9/12/2019		<0.001
3/11/2020		5.9E-05 (J)
9/15/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
10/12/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	0.0001 (J)	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019		<0.001
9/17/2019		<0.001
3/12/2020		5.4E-05 (J)
9/17/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
10/11/2015	0.0002	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019		<0.001
9/17/2019		<0.001
3/12/2020		<0.001
9/21/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
10/14/2015	<0.001	
4/4/2016	<0.001	
6/1/2016	<0.001	
2/22/2017	<0.001	
4/11/2017	<0.001	
6/16/2017	<0.001	
7/12/2017	6E-05 (J)	
7/28/2017	<0.001	
8/10/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/20/2018	<0.001	
3/22/2019		<0.001
9/18/2019		<0.001
3/17/2020		<0.001
9/22/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0099	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0067	
10/13/2015	<0.01	
3/22/2016	0.00214 (J)	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019		<0.01
9/12/2019		<0.01
3/11/2020		<0.01
9/15/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	0.0051	
1/31/2008	<0.01	
3/11/2008	0.0032	
5/6/2008	<0.01	
12/4/2008	0.016 (o)	
4/21/2009	0.005	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	0.0025	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0016 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019		<0.01
9/12/2019		<0.01 (D)
3/11/2020		<0.01
9/15/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	<0.01	
1/31/2008	0.0078	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/4/2008	<0.01	
4/21/2009	0.0036	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	0.005 (J)	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		<0.01
9/13/2019		0.001 (J)
3/11/2020		0.00084 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		<0.01
9/12/2019		0.00084 (J)
3/12/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0065	
10/6/2009	0.0026	
5/3/2010	0.0028	
10/11/2010	0.0035	
4/27/2011	0.0047	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	<0.01	
4/10/2013	<0.01	
10/16/2013	<0.01	
4/22/2014	0.005 (J)	
10/1/2014	<0.01	
3/30/2015	0.0032 (J)	
10/11/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019		<0.01
9/12/2019		<0.01
3/11/2020		<0.01
9/15/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0047	
5/7/2008	0.003	
12/14/2008	0.0056	
4/29/2009	0.018 (o)	
10/22/2009	0.0079	
4/21/2010	0.0075	
9/29/2010	0.0065	
4/13/2011	0.004	
10/4/2011	0.0054	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.005 (J)	
10/2/2014	<0.01	
4/1/2015	0.0067	
10/11/2015	0.0049 (J)	
4/4/2016	0.00251 (J)	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0015 (J)	
3/22/2018	<0.01	
9/18/2018	0.0022 (J)	
3/23/2019		<0.01
9/17/2019		<0.01
3/12/2020		<0.01
9/21/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	0.0048	
11/19/2007	0.0054	
1/31/2008	0.003	
3/5/2008	<0.01	
5/7/2008	0.0041	
12/12/2008	0.023 (o)	
4/29/2009	0.006	
10/21/2009	0.022 (o)	
4/28/2010	0.011	
10/6/2010	0.0064	
4/20/2011	0.0046	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019		<0.01
9/18/2019		<0.01
3/17/2020		<0.01
9/22/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		<0.01
9/17/2019		<0.01
3/13/2020		0.00077 (J)
9/21/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	0.005 (J)	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.0056	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019		<0.01
9/16/2019		<0.01 (D)
3/12/2020		<0.01
9/17/2020		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
8/23/2007	0.032 (o)	
10/23/2007	0.0099	
11/18/2007	0.0095 (J)	
1/30/2008	0.022 (o)	
3/10/2008	0.014	
5/13/2008	0.0075	
12/5/2008	0.0056 (J)	
4/15/2009	0.0033	
10/7/2009	0.061 (o)	
5/3/2010	0.0033	
10/12/2010	0.0041	
4/27/2011	<0.02	
10/17/2011	0.0046	
5/2/2012	<0.02	
10/8/2012	0.0053	
4/12/2013	0.006	
10/16/2013	0.0048	
4/11/2014	0.0033	
9/30/2014	0.002 (J)	
3/30/2015	0.012	
10/13/2015	0.011	
3/22/2016	0.00346 (J)	
7/29/2016	<0.02	
3/30/2017	<0.02	
10/2/2017	<0.02	
3/16/2018	<0.02	
9/17/2018	<0.02 (D)	
3/20/2019		<0.02
9/12/2019		0.0047 (J)
3/11/2020		0.0035 (J)
9/15/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
8/23/2007	0.0033	
10/24/2007	0.043 (o)	
11/18/2007	0.024	
1/31/2008	0.015	
3/11/2008	0.027	
5/6/2008	0.0032	
12/4/2008	0.081 (o)	
4/21/2009	0.0057	
10/7/2009	<0.02	
4/26/2010	<0.02	
10/4/2010	0.0057	
4/13/2011	<0.02	
10/5/2011	<0.02	
4/11/2012	<0.02	
10/9/2012	<0.02	
4/15/2013	0.0038	
10/15/2013	0.0044	
4/22/2014	0.0025 (J)	
9/30/2014	0.00076 (J)	
3/30/2015	0.0024 (J)	
10/13/2015	0.0017 (J)	
3/23/2016	<0.02	
7/29/2016	<0.02	
3/30/2017	<0.02	
10/2/2017	<0.02	
3/19/2018	<0.02	
9/14/2018	<0.02	
3/20/2019		<0.02
9/12/2019		0.00505 (JD)
3/11/2020		0.0028 (J)
9/15/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
8/23/2007	0.0079	
10/24/2007	<0.02	
11/18/2007	0.015	
1/31/2008	0.063 (O)	
3/10/2008	0.013 (J)	
5/13/2008	0.0072	
12/4/2008	0.011 (J)	
4/21/2009	0.0041	
10/8/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.0081	
4/12/2011	0.0025	
10/4/2011	0.0027	
4/3/2012	<0.02	
10/9/2012	0.0064	
4/11/2013	<0.02	
10/16/2013	<0.02	
4/10/2014	0.0026	
9/30/2014	0.0012 (J)	
3/30/2015	0.013	
10/13/2015	0.0043	
3/23/2016	<0.02	
7/29/2016	<0.02	
4/3/2017	<0.02	
10/2/2017	<0.02	
3/16/2018	<0.02	
9/14/2018	<0.02	
3/19/2019		<0.02
9/13/2019		0.0078 (J)
3/11/2020		0.0038 (J)
9/15/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019		0.0034 (J)
9/12/2019		0.0072 (J)
3/12/2020		0.0027 (J)
9/17/2020		0.0047 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
12/12/2008	0.013 (J)	
4/23/2009	0.075 (o)	
10/6/2009	0.056 (o)	
5/3/2010	0.051 (o)	
10/11/2010	0.016	
4/27/2011	0.025 (o)	
10/19/2011	0.0078	
5/1/2012	0.0134	
10/2/2012	0.012	
4/10/2013	0.018	
10/16/2013	0.015	
4/22/2014	0.015	
10/1/2014	0.0038	
3/30/2015	0.0097	
10/11/2015	0.0024 (J)	
3/28/2016	0.00703 (J)	
8/1/2016	<0.02	
4/3/2017	<0.02	
10/2/2017	0.0016 (J)	
3/16/2018	<0.02	
9/18/2018	<0.02	
3/19/2019		<0.02
9/12/2019		0.0058 (J)
3/11/2020		0.0033 (J)
9/15/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
8/21/2007	0.0066	
11/1/2007	0.0086	
11/20/2007	0.005	
1/30/2008	0.0084	
3/6/2008	0.0073	
5/8/2008	0.0084	
12/14/2008	0.0075 (J)	
4/29/2009	0.0028	
10/21/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.005	
4/12/2011	<0.02	
10/4/2011	0.0088	
4/3/2012	<0.02	
10/8/2012	0.0034	
4/3/2013	<0.02	
10/15/2013	0.0027	
4/9/2014	0.0025 (J)	
10/2/2014	0.0027 (V)	
4/2/2015	0.002 (J)	
10/12/2015	<0.02	
3/31/2016	0.00266 (J)	
8/3/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	<0.02	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/22/2019		<0.02
9/17/2019		0.0048 (J)
3/12/2020		0.0027 (J)
9/17/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0038	
5/7/2008	<0.01	
12/14/2008	0.0031 (J)	
4/29/2009	0.0031	
10/22/2009	0.0029	
4/21/2010	0.0027	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/4/2011	0.003	
4/4/2012	<0.01	
10/3/2012	0.0029	
4/3/2013	0.0035	
10/9/2013	<0.01	
4/2/2014	0.0033	
10/2/2014	0.0027	
4/1/2015	0.013	
10/11/2015	0.017	
4/4/2016	0.00419 (J)	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0014 (J)	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019		<0.01
9/17/2019		0.0075 (J)
3/12/2020		0.0053 (J)
9/21/2020		0.0037 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.02	
11/1/2007	0.0038	
11/19/2007	0.0055	
1/31/2008	0.0063	
3/5/2008	0.0037	
5/7/2008	0.0033	
12/12/2008	0.097 (O)	
4/29/2009	0.068 (O)	
10/21/2009	0.011	
4/28/2010	0.048 (O)	
10/6/2010	0.003	
4/20/2011	0.0038	
10/12/2011	0.0027	
4/25/2012	<0.02	
10/2/2012	0.0059	
4/2/2013	0.008	
10/8/2013	0.0062	
4/1/2014	0.0067	
10/1/2014	0.0024 (J)	
3/31/2015	0.0046	
10/14/2015	0.002 (J)	
4/4/2016	<0.02	
4/11/2017	<0.02	
10/6/2017	<0.02	
3/23/2018	<0.02	
9/20/2018	<0.02	
3/22/2019		0.0048 (J)
9/18/2019		0.0091 (X)
3/17/2020		0.0057 (J)
9/22/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
8/23/2007	0.0038	
11/2/2007	0.0025	
11/17/2007	0.023 (O)	
1/15/2008	0.012	
3/6/2008	0.0069	
5/7/2008	0.007	
12/2/2008	0.021 (O)	
4/28/2009	0.0055	
10/19/2009	0.0051	
4/27/2010	0.0068	
10/4/2010	0.0074	
4/18/2011	0.0031	
10/12/2011	0.0067	
4/23/2012	<0.01	
10/10/2012	0.0046	
4/15/2013	0.006	
10/22/2013	0.0037	
4/21/2014	0.0073	
9/30/2014	0.0027	
4/3/2015	0.0017 (J)	
10/7/2015	0.0042	
4/5/2016	0.000194 (J)	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	0.0024 (J)	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019		0.0039 (J)
9/17/2019		0.0066 (J)
3/13/2020		0.0057 (J)
9/21/2020		0.0036 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0035	
6/18/2015	0.0025 (D)	
7/2/2015	0.0018 (J)	
10/9/2015	0.0019 (J)	
3/29/2016	0.00786 (J)	
8/1/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	0.0014 (J)	
3/20/2018	<0.02	
9/17/2018	<0.02	
3/21/2019		<0.02
9/16/2019		0.0057 (J)
3/12/2020		0.0032 (J)
9/16/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/3/2020 4:13 PM View: Bedrock
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
10/18/2011	0.0032	
4/30/2012	<0.02	
10/3/2012	0.0034	
4/8/2013	0.0039	
10/9/2013	0.0078	
4/10/2014	0.0064	
10/2/2014	0.0009 (JV)	
4/3/2015	<0.02	
10/8/2015	0.013	
3/30/2016	0.00308 (J)	
8/2/2016	<0.02	
4/6/2017	<0.02	
10/4/2017	<0.02	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/27/2019		<0.02
9/16/2019		0.00525 (JD)
3/12/2020		0.002 (J)
9/17/2020		<0.02

FIGURE F.

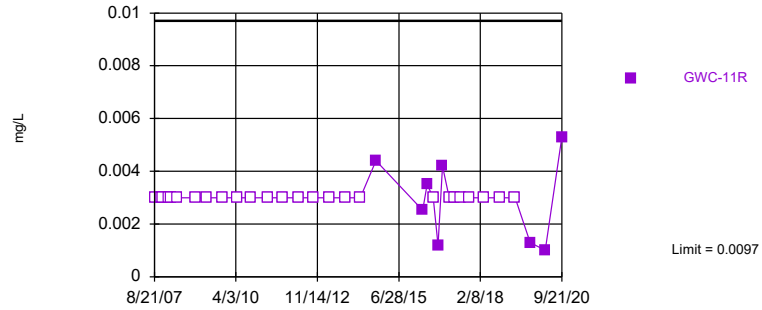
Bedrock Interwell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:25 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	GWC-11R	0.0097	n/a	9/21/2020	0.0053	No	149	n/a	n/a	71.14	n/a	n/a	0.00008924	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 149 background values. 71.14% NDs. Annual per-constituent alpha = 0.00107. Individual comparison alpha = 0.00008924 (1 of 2). Assumes 5 future values.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:25 PM View: Bedrock - Exceedances

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-4RZ (bg)
8/21/2007	<0.003					
8/23/2007		<0.003	<0.003	<0.003		
10/23/2007		<0.003				
10/24/2007			<0.003	<0.003		
11/1/2007	<0.003					
11/18/2007	<0.003	<0.003	<0.003	<0.003		
1/30/2008	<0.003	<0.003				
1/31/2008			<0.003	<0.003		
3/6/2008	<0.003					
3/10/2008		<0.003	<0.003			
3/11/2008				<0.003		
5/6/2008				<0.003		
5/7/2008	<0.003					
5/13/2008		<0.003	<0.003			
12/4/2008			<0.003	<0.003		
12/5/2008		<0.003				
12/12/2008					<0.003	
12/14/2008	<0.003					
4/15/2009		<0.003				
4/21/2009			<0.003	<0.003		
4/23/2009					<0.003	
4/29/2009	<0.003					
10/6/2009					<0.003	
10/7/2009		<0.003		<0.003		
10/8/2009			<0.003			
10/22/2009	<0.003					
4/21/2010	<0.003		<0.003			
4/26/2010				<0.003		
5/3/2010		<0.003			<0.003	
9/28/2010			<0.003			
9/29/2010	<0.003					
10/4/2010				<0.003		
10/11/2010					<0.003	
10/12/2010		<0.003				
4/12/2011			<0.003			
4/13/2011	<0.003			<0.003		
4/27/2011		<0.003			<0.003	
10/4/2011	<0.003		<0.003			
10/5/2011				<0.003		
10/17/2011		0.0054				
10/19/2011					<0.003	
4/3/2012			0.0053			
4/4/2012	<0.003					
4/11/2012				<0.003		
5/1/2012					<0.003	
5/2/2012		<0.003				
10/2/2012					<0.003	
10/3/2012	<0.003					
10/8/2012		<0.003				
10/9/2012			<0.003	<0.003		
4/3/2013	<0.003					
4/10/2013					<0.003	

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:25 PM View: Bedrock - Exceedances
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-4RZ (bg)
4/11/2013			0.0075			
4/12/2013		0.0058				
4/15/2013				<0.003		
10/9/2013	<0.003					
10/15/2013				<0.003		
10/16/2013		0.01 (o)	<0.003		<0.003	
4/2/2014	<0.003					
4/10/2014			0.0081			
4/11/2014		0.005 (J)				
4/22/2014				<0.003	<0.003	
9/30/2014		0.0068	0.0022 (J)	<0.003		
10/1/2014					<0.003	
10/2/2014	0.0044 (J)					
3/30/2015		0.0074	0.011 (o)	<0.003	<0.003	
4/1/2015	0.0087 (o)					
10/11/2015	0.007 (o)				<0.003	
10/13/2015		0.017 (o)	0.0045 (J)	<0.003		
3/22/2016		0.00567				
3/23/2016			0.00281 (J)	<0.003		
3/28/2016					<0.003	
4/4/2016	0.00252 (J)					
5/19/2016		0.00319	0.00264 (J)			
5/20/2016				<0.003		
5/25/2016					<0.003	
5/26/2016	0.00351					
7/29/2016		0.0025 (J)	0.0069	<0.003		
8/1/2016					<0.003	
8/4/2016	<0.003					
9/22/2016			0.0066			
9/23/2016		0.0051		<0.003		
9/26/2016					<0.003	
9/28/2016	0.0012 (J)					
11/9/2016		0.0097 (J)		<0.003		
11/10/2016			<0.003			
11/11/2016					<0.003	
11/22/2016	0.0042					
1/30/2017		0.0032			<0.003	
1/31/2017			0.0064	<0.003		
2/8/2017	<0.003					
2/22/2017						0.0018 (J)
3/30/2017		0.0028 (J)		<0.003		
4/3/2017			0.0049		<0.003	
4/7/2017						0.0008 (J)
4/10/2017	<0.003					
6/9/2017		<0.003	<0.003			
6/12/2017				<0.003	<0.003	
6/14/2017						<0.003
6/15/2017	<0.003					
7/12/2017						0.0015 (J)
7/20/2017						<0.003
7/28/2017						<0.003
8/9/2017						<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/3/2020 4:25 PM View: Bedrock - Exceedances
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-4RZ (bg)
8/24/2017						0.0007 (J)
10/2/2017		0.0014 (J)	0.0045	<0.003	<0.003	
10/3/2017						<0.003
10/4/2017	<0.003					
3/16/2018		0.0014 (J)	0.021 (o)		<0.003	
3/19/2018				<0.003		
3/21/2018						<0.003
3/22/2018	<0.003					
9/14/2018			0.0054	<0.003		
9/17/2018		0.00105 (JD)				
9/18/2018	<0.003				<0.003	<0.003
3/19/2019			0.0019 (J)		<0.003	
3/20/2019		<0.003		<0.003		
3/21/2019						<0.003
3/23/2019	<0.003					
9/12/2019		0.0037		<0.003 (D)	<0.003	0.00052 (J)
9/13/2019			0.0044			
9/17/2019	0.0013 (J)					
3/11/2020		0.00079 (J)	0.002 (J)	<0.003	<0.003	
3/12/2020	0.001 (J)					0.0017 (J)
9/15/2020		0.0061	0.0037	<0.003	0.00048 (J)	
9/17/2020						0.00087 (J)
9/21/2020	0.0053					

FIGURE G.

State Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:40 PM

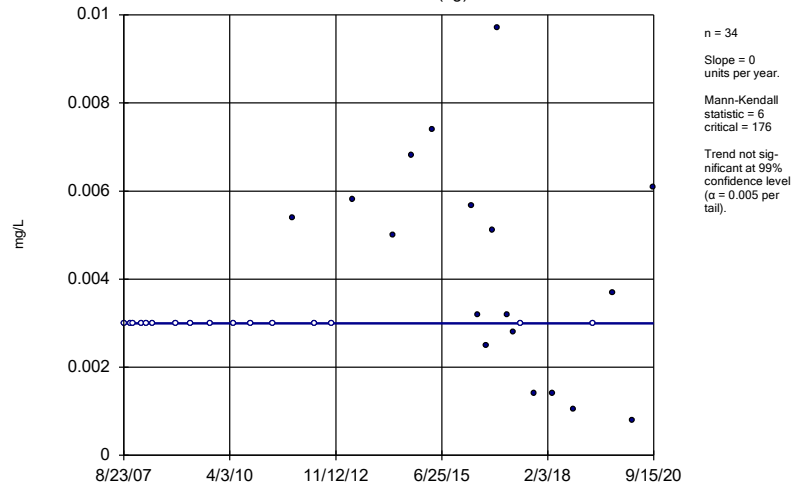
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-1 (bg)	-0.0009794	-315	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.004109	68	53	Yes	15	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007283	-165	-124	Yes	27	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.006529	343	176	Yes	34	0	n/a	n/a	0.01	NP

State Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:40 PM

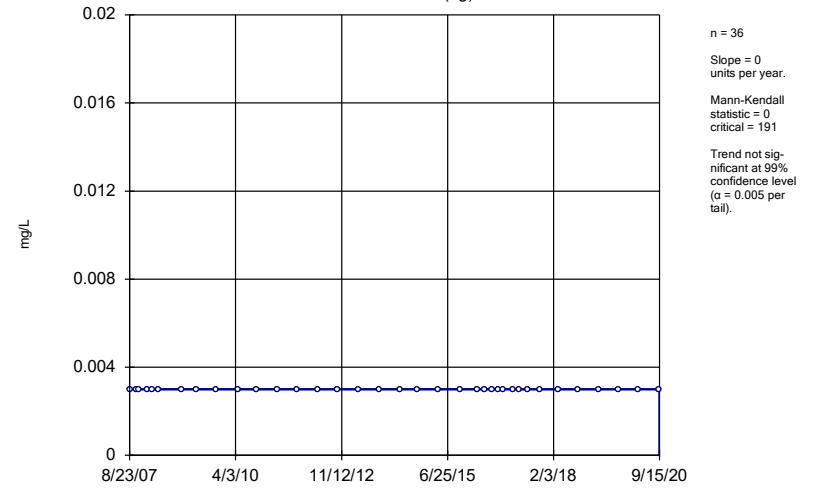
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	6	176	No	34	47.06	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2 (bg)	0	0	191	No	36	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2R (bg)	0	52	176	No	34	50	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-4RZ (bg)	0	-7	-53	No	15	53.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	0	-29	-146	No	30	96.67	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-11R	0	-20	-176	No	34	76.47	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.0009794	-315	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	0.0004475	57	176	No	34	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	0.000174	47	176	No	34	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.004109	68	53	Yes	15	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007283	-165	-124	Yes	27	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.006529	343	176	Yes	34	0	n/a	n/a	0.01	NP

Sen's Slope Estimator
GWA-1 (bg)



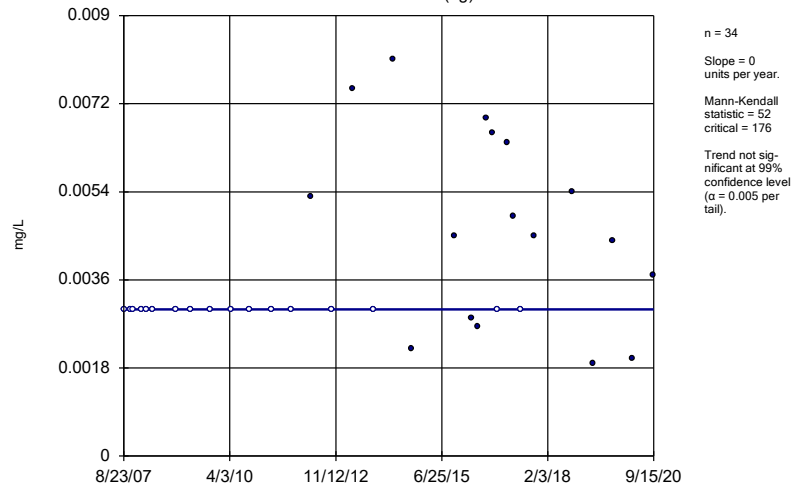
Constituent: Antimony Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2 (bg)



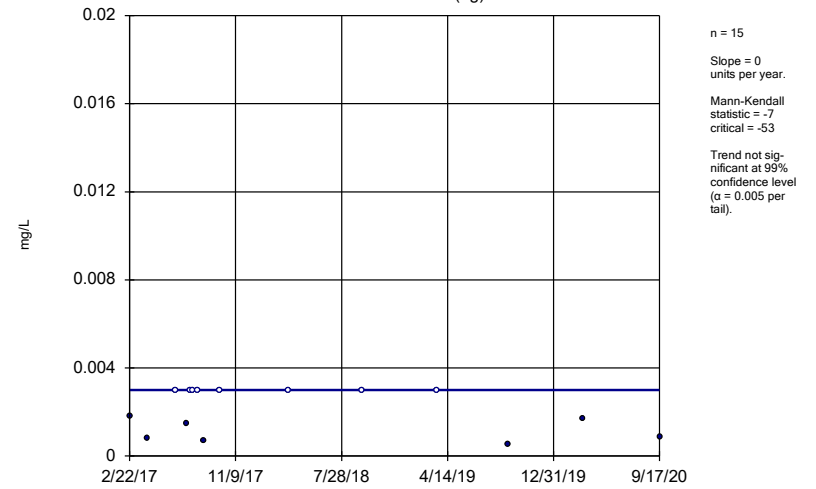
Constituent: Antimony Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2R (bg)



Constituent: Antimony Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

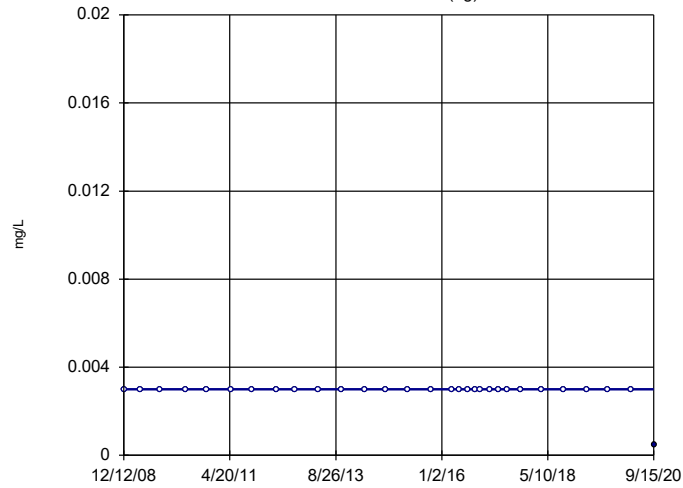
Sen's Slope Estimator
GWA-4RZ (bg)



Constituent: Antimony Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-50R (bg)

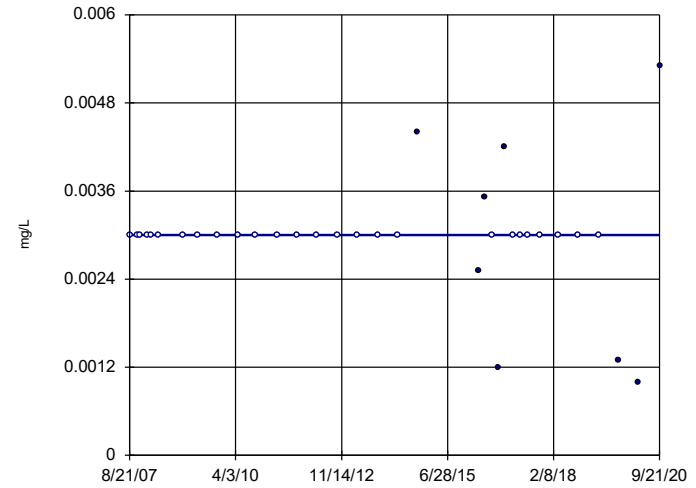


n = 30
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = -29
 critical = -146
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Antimony Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWC-11R

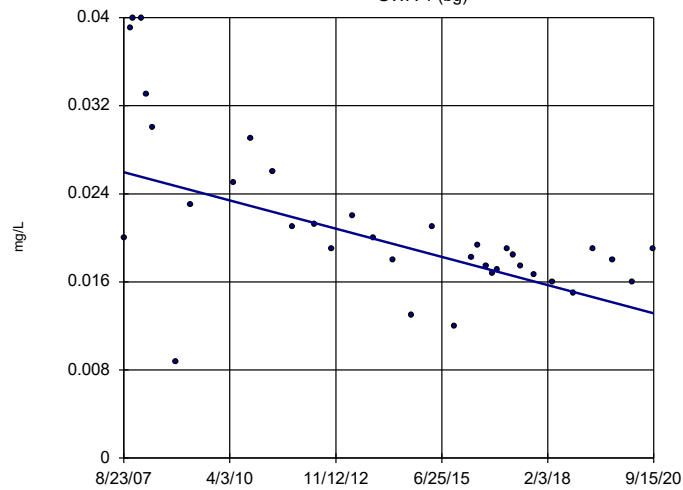


n = 34
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = -20
 critical = -176
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Antimony Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-1 (bg)

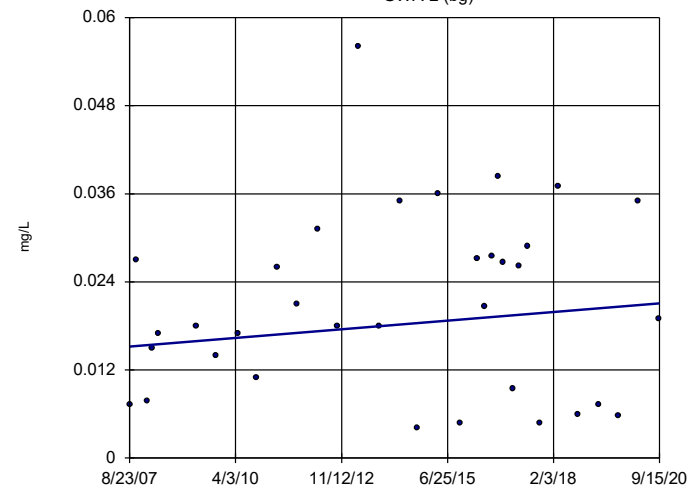


n = 35
 Slope = -0.0009794
 units per year.
 Mann-Kendall
 statistic = -315
 critical = -184
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Barium Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-2 (bg)

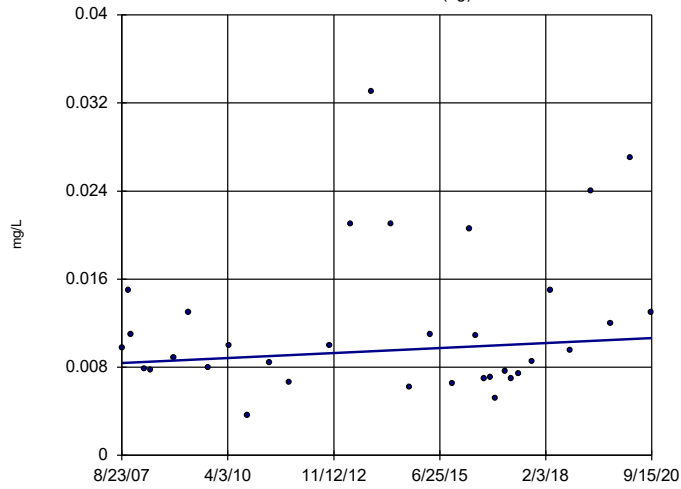


n = 34
 Slope = 0.0004475
 units per year.
 Mann-Kendall
 statistic = 57
 critical = 176
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Barium Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-2R (bg)

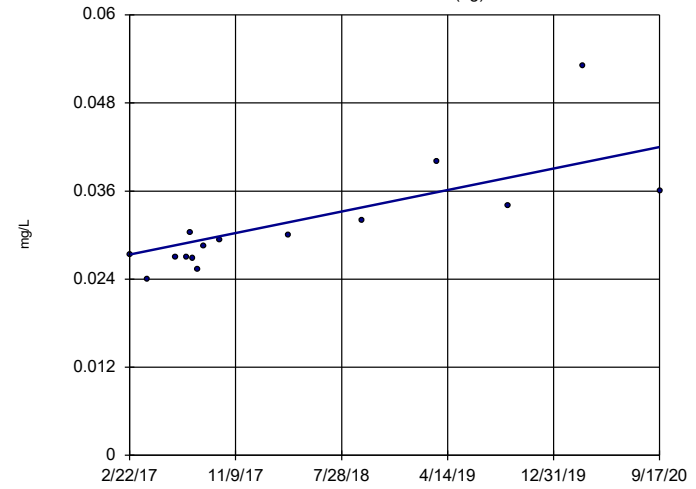


n = 34
 Slope = 0.000174
 units per year.
 Mann-Kendall
 statistic = 47
 critical = 176
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-4RZ (bg)

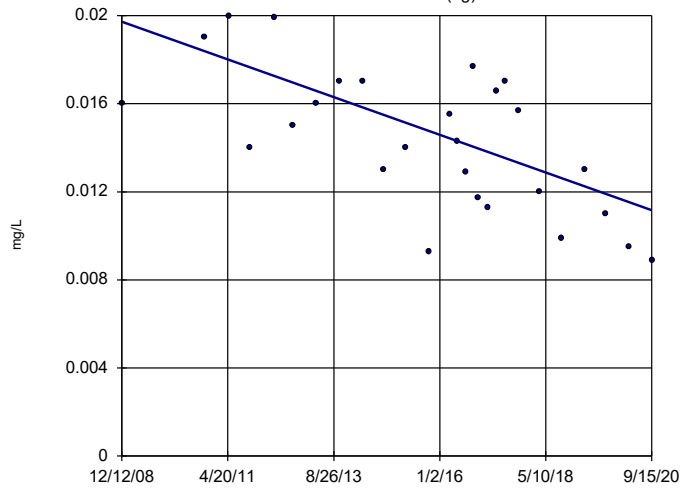


n = 15
 Slope = 0.004109
 units per year.
 Mann-Kendall
 statistic = 68
 critical = 53
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-50R (bg)

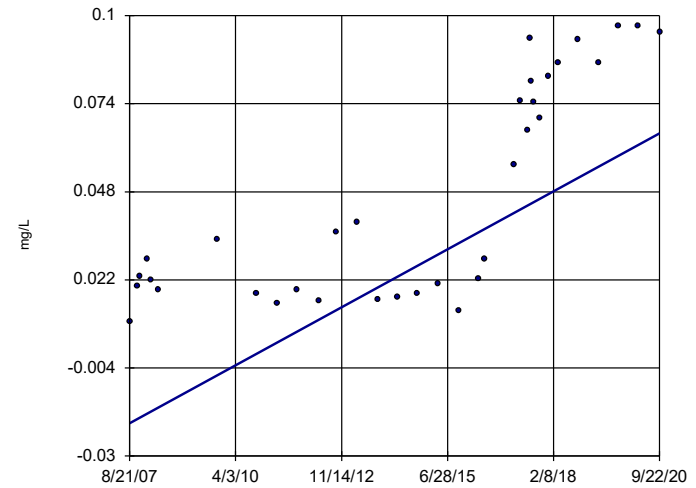


n = 27
 Slope = -0.0007283
 units per year.
 Mann-Kendall
 statistic = -165
 critical = -124
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWC-13RZ



n = 34
 Slope = 0.006529
 units per year.
 Mann-Kendall
 statistic = 343
 critical = 176
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 11/3/2020 4:40 PM View: Bedrock - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

FIGURE H.

Appendix III Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWA-1	35.77	n/a	9/15/2020	30.8	No	13	30.12	2.045	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-2	76.67	n/a	9/15/2020	18.4	No	13	21.87	19.84	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-2R	68.55	n/a	9/15/2020	21.4	No	13	4.874	1.233	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-3	2.13	n/a	3/11/2020	1	No	13	1.301	0.3004	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-4RZ	57.67	n/a	9/17/2020	48.4	No	13	48.45	3.34	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-50	4.676	n/a	9/16/2020	1.7	No	13	2.38	0.8311	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWA-50R	14.16	n/a	9/15/2020	0.94J	No	13	5.032	3.306	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	46.26	n/a	9/17/2020	32.6	No	13	976.2	421.5	0	None	x^2	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-10R	48.64	n/a	9/17/2020	39	No	13	40.21	3.054	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11	30.68	n/a	9/21/2020	17.7	No	13	17.71	4.696	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-11R	36.51	n/a	9/21/2020	26	No	13	25.31	4.056	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-12	9.786	n/a	9/21/2020	8	No	13	8.042	0.6313	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13	77.34	n/a	9/22/2020	43.1	No	13	48.64	10.39	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-13RZ	66.28	n/a	9/22/2020	47.7	No	13	43.21	8.352	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-14Z	46.16	n/a	9/21/2020	13.1	No	13	23.01	8.383	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-15Z	30.61	n/a	9/21/2020	22.6	No	13	12616	5821	0	None	x^3	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-15R	62.5	n/a	9/21/2020	36.5	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWC-5	8.151	n/a	9/16/2020	2.8	No	13	1.854	0.3624	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	16.11	n/a	9/16/2020	14.3	No	12	13.73	0.8433	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-6RZ	15.76	n/a	9/16/2020	8.8	No	12	11.35	1.561	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-7Z	27.62	n/a	9/16/2020	24.4	No	13	23.25	1.58	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8RR	25.71	n/a	9/17/2020	21.4	No	13	22.17	1.281	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-8Z	27.75	n/a	9/17/2020	18.1	No	12	21.09	2.357	0	None	No	0.0004426	Param Intra 1 of 2
Calcium (mg/L)	GWC-9	33.72	n/a	9/17/2020	18.3	No	13	10.16	8.529	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-1	2.705	n/a	9/15/2020	0.96J	No	13	1.707	0.3615	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-2	171.3	n/a	9/15/2020	35.3	No	13	45.47	45.57	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-2R	103.2	n/a	9/15/2020	1	No	13	1.076	1.289	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-3	1.359	n/a	3/11/2020	0.5ND	No	13	0.7044	0.2369	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-4RZ	29.81	n/a	9/17/2020	20.3	No	14	21.19	3.193	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-50	1.082	n/a	9/16/2020	0.5ND	No	13	0.692	0.1413	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWA-50R	1.77	n/a	9/15/2020	0.54J	No	13	1.035	0.2659	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-10	2.331	n/a	9/17/2020	0.87J	No	13	1.414	0.332	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-10R	2.202	n/a	9/17/2020	0.95J	No	13	1.539	0.2398	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-11	3.864	n/a	9/21/2020	2	No	13	2.667	0.4333	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-11R	4.815	n/a	9/21/2020	1.8	No	13	2.798	0.7303	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-12	0.8022	n/a	9/21/2020	0.5ND	No	13	0.6222	0.09903	23.08	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-13	205.7	n/a	9/22/2020	39.6	No	13	84.47	43.88	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-13RZ	108.2	n/a	9/22/2020	69.8	No	13	53.11	19.95	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-14Z	8.012	n/a	9/21/2020	5.5	No	12	3.192	1.707	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-15Z	14.01	n/a	9/21/2020	0.9J	No	13	4.438	3.464	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-15R	14.72	n/a	9/21/2020	9	No	13	9.142	2.02	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-5	2.23	n/a	9/16/2020	1.1	No	13	1.506	0.2621	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-6	4.05	n/a	9/16/2020	1.8	No	13	2.394	0.5998	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-6RZ	3.575	n/a	9/16/2020	1.3	No	13	2.112	0.5298	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-7Z	2.373	n/a	9/16/2020	1.1	No	13	0.8731	0.5429	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-8RR	2.043	n/a	9/17/2020	0.6J	No	13	1.043	0.3621	7.692	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-8Z	4.386	n/a	9/17/2020	0.74J	No	13	2.324	0.7467	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate, as SO4 (mg/L)	GWC-9	4.885	n/a	9/17/2020	3.5	No	13	2.372	0.9101	7.692	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-1	192.9	n/a	9/15/2020	156	No	13	151.7	14.9	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-2	370	n/a	9/15/2020	28	No	13	122.7	89.51	7.692	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-2R	250.2	n/a	9/15/2020	89	No	13	120	47.12	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-3	58.82	n/a	3/11/2020	24	No	13	26.41	11.74	38.46	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-4RZ	444.4	n/a	9/17/2020	223	No	13	262.5	65.86	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-50	50.58	n/a	9/16/2020	20	No	13	23.65	9.751	30.77	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-50R	107.3	n/a	9/15/2020	12	No	13	37	25.45	23.08	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-10	203.4	n/a	9/17/2020	140	No	13	133.3	25.39	0	None	No	0.0004426	Param Intra 1 of 2

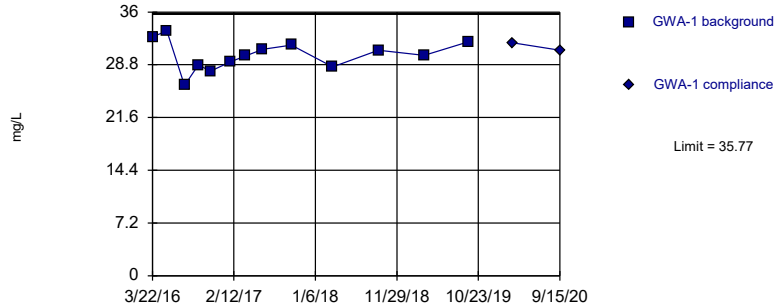
Appendix III Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:40 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-10R	224.9	n/a	9/17/2020	125	No	13	161	23.15	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-11	157.3	n/a	9/21/2020	93	No	13	95.08	22.54	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-11R	178.8	n/a	9/21/2020	145	No	13	128	18.4	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-12	114	n/a	9/21/2020	62	No	13	4.084	0.2771	0	None	x^(1/3)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-13	424.3	n/a	9/22/2020	176	No	13	239.6	66.87	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-13RZ	380.1	n/a	9/22/2020	248	No	13	67659	27810	0	None	x^2	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-14Z	287.4	n/a	9/21/2020	94	No	13	123.6	59.29	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-15Z	233.3	n/a	9/21/2020	122	No	13	125.5	39.04	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-15R	247.9	n/a	9/21/2020	186	No	13	166.2	29.56	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-5	124	n/a	9/16/2020	30	No	13	43.54	29.12	15.38	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-6	169.5	n/a	9/16/2020	77	No	13	9.238	1.368	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-6RZ	163.6	n/a	9/16/2020	52	No	13	82	29.54	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-7Z	174.7	n/a	9/16/2020	124	No	13	125.7	17.74	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-8RR	132.3	n/a	9/17/2020	111	No	13	108.6	8.559	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-8Z	178.6	n/a	9/17/2020	98	No	13	121.7	20.62	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-9	187.9	n/a	9/17/2020	94	No	13	64.54	44.65	0	None	No	0.0004426	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Parametric

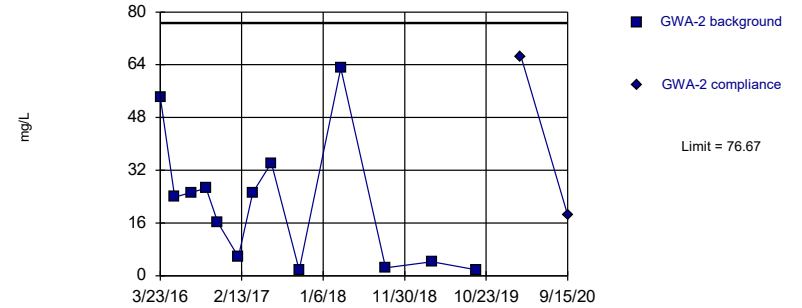


Background Data Summary: Mean=30.12, Std. Dev.=2.045, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9874, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

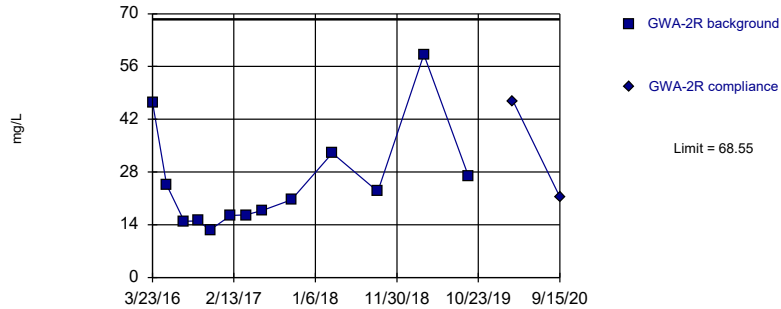


Background Data Summary: Mean=21.87, Std. Dev.=19.84, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8769, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

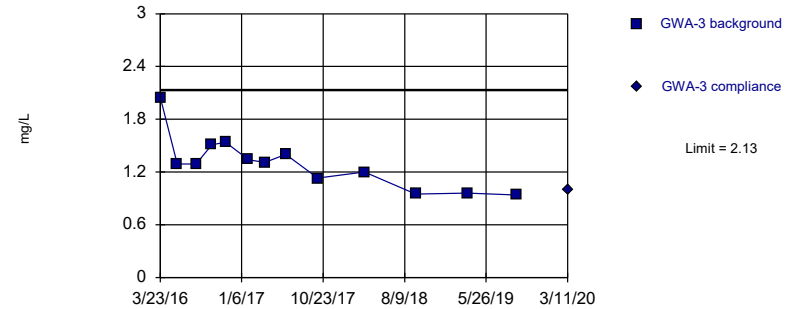


Background Data Summary (based on square root transformation): Mean=4.874, Std. Dev.=1.233, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8672, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

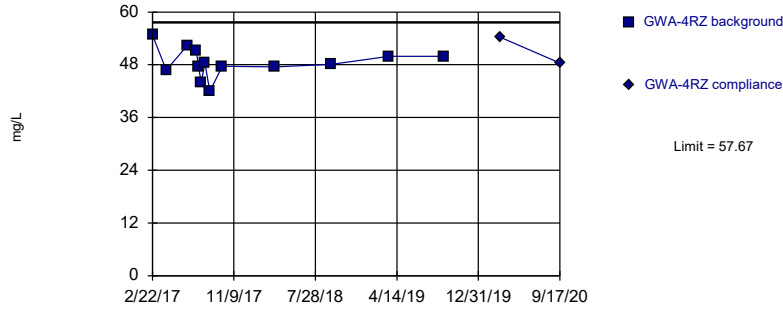


Background Data Summary: Mean=1.301, Std. Dev.=0.3004, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8984, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric

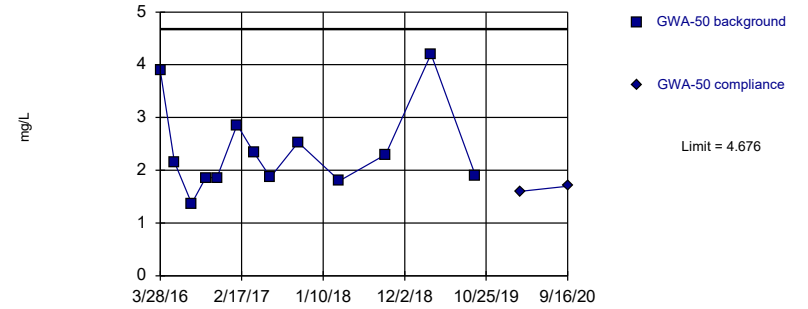


Background Data Summary: Mean=48.45, Std. Dev.=3.34, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9703, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric

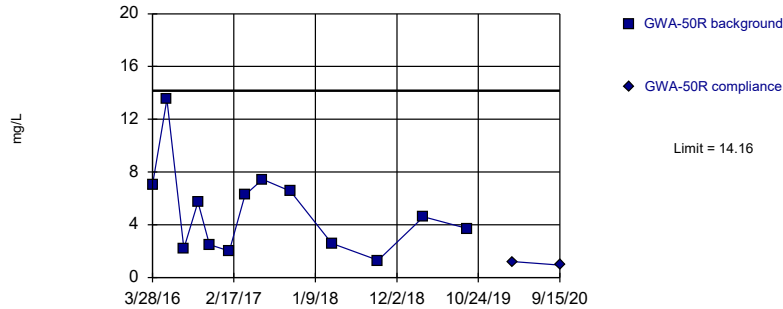


Background Data Summary: Mean=2.38, Std. Dev.=0.8311, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.841, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric

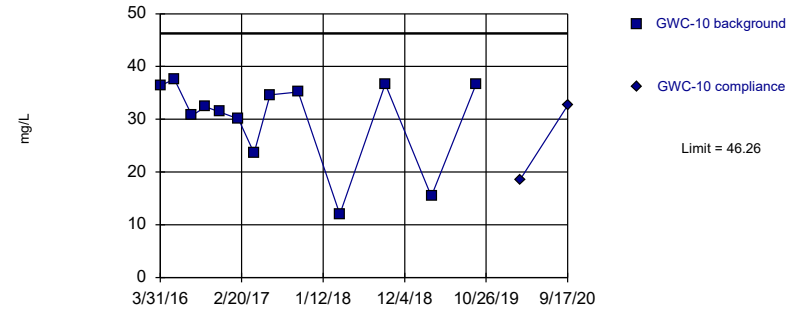


Background Data Summary: Mean=5.032, Std. Dev.=3.306, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8749, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric

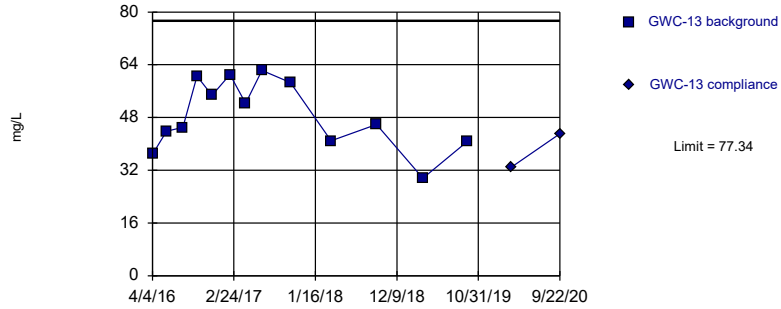


Background Data Summary (based on square transformation): Mean=976.2, Std. Dev.=421.5, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

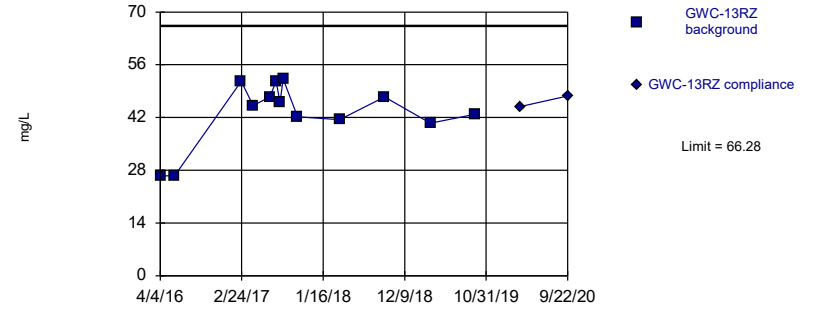


Background Data Summary: Mean=48.64, Std. Dev.=10.39, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9407, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

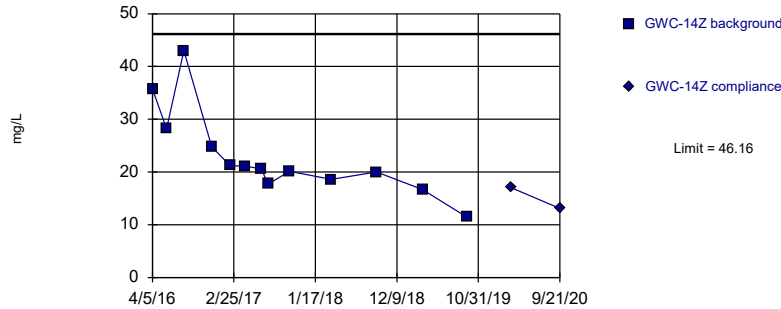


Background Data Summary: Mean=43.21, Std. Dev.=8.352, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8424, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

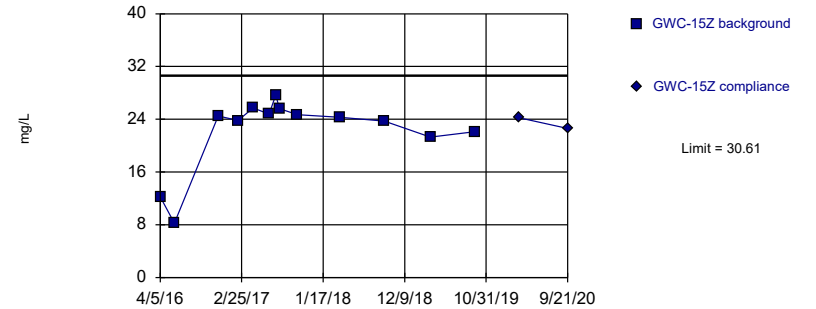


Background Data Summary: Mean=23.01, Std. Dev.=8.383, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8663, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

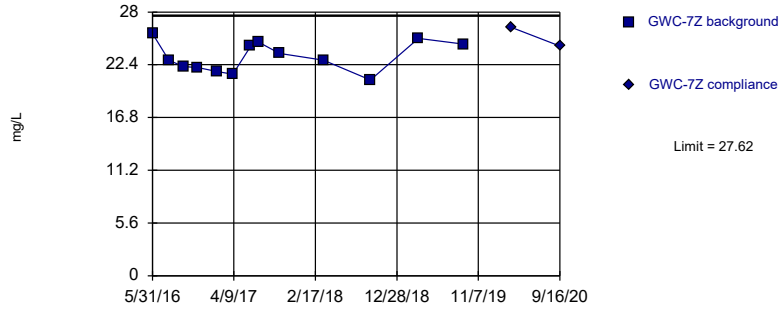


Background Data Summary (based on cube transformation): Mean=12616, Std. Dev.=5821, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8755, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

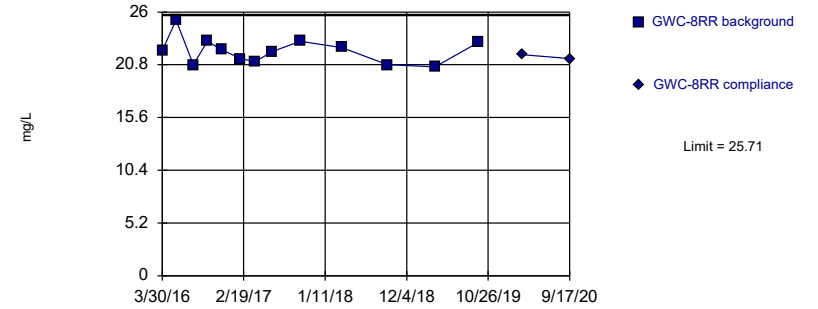


Background Data Summary: Mean=23.25, Std. Dev.=1.58, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

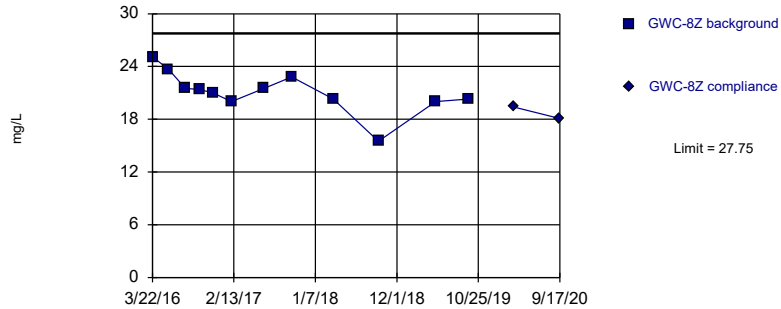


Background Data Summary: Mean=22.17, Std. Dev.=1.281, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

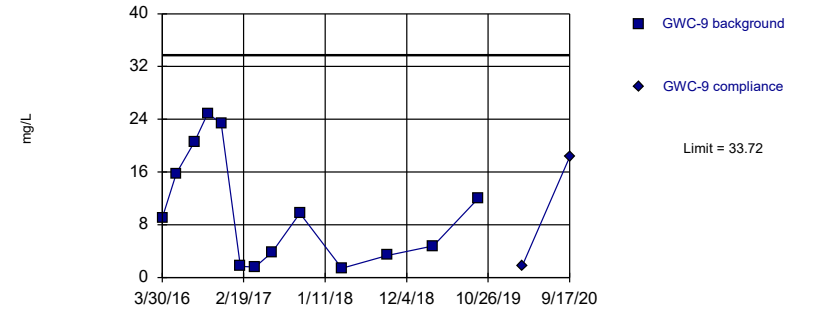


Background Data Summary: Mean=21.09, Std. Dev.=2.357, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9095, critical = 0.805. Kappa = 2.824 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

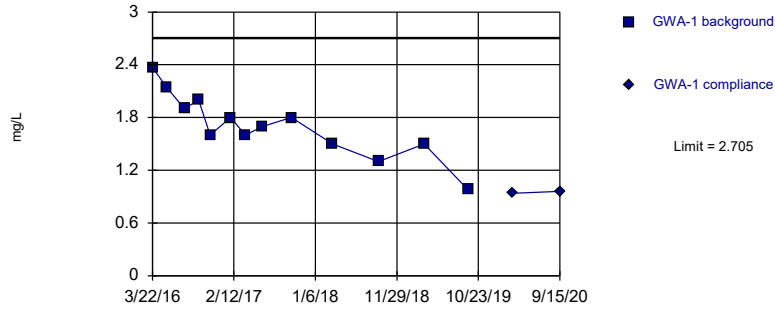


Background Data Summary: Mean=10.16, Std. Dev.=8.529, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.877, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

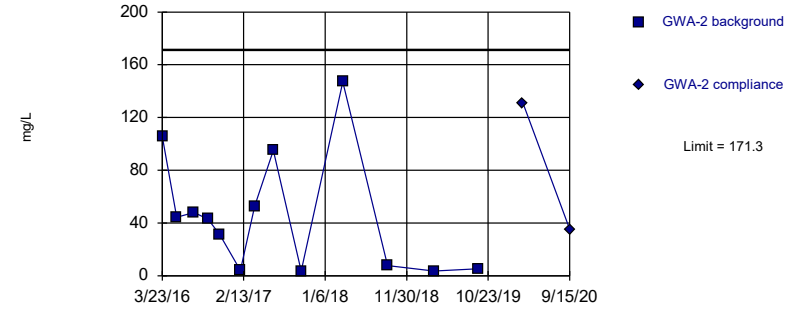


Background Data Summary: Mean=1.707, Std. Dev.=0.3615, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9884, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

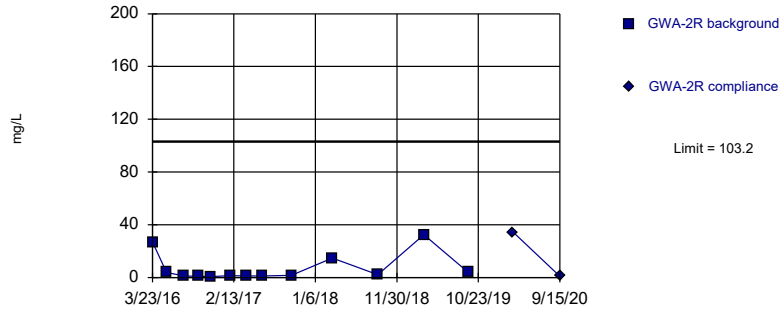


Background Data Summary: Mean=45.47, Std. Dev.=45.57, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8555, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



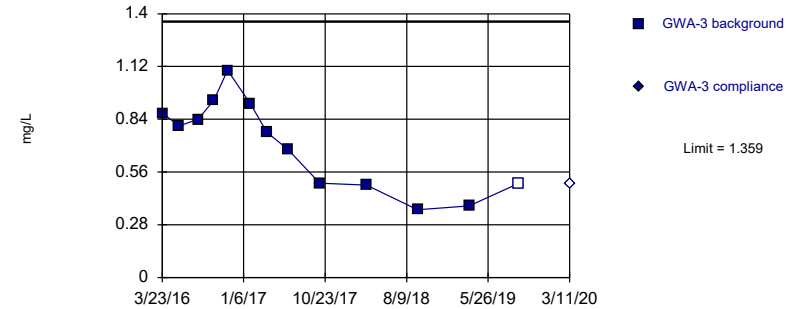
Background Data Summary (based on natural log transformation): Mean=1.076, Std. Dev.=1.289, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8468, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric

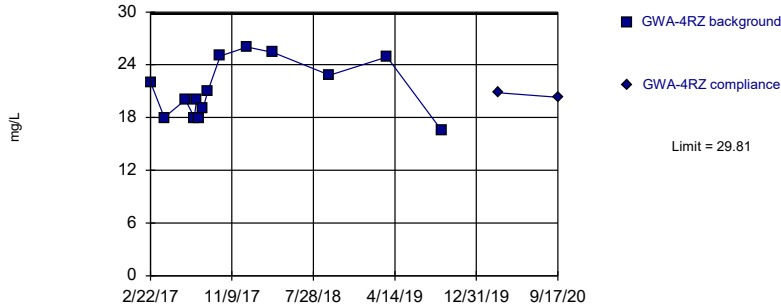


Background Data Summary: Mean=0.7044, Std. Dev.=0.2369, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9364, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

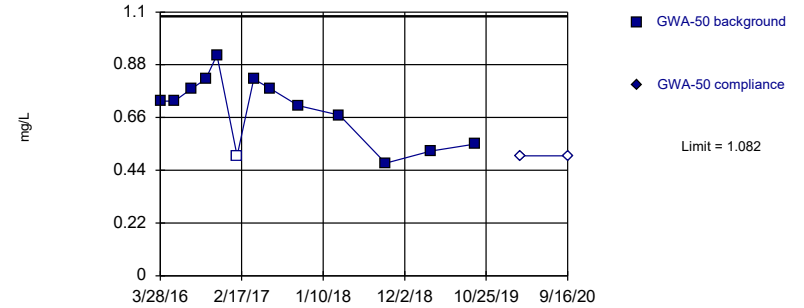


Background Data Summary: Mean=21.19, Std. Dev.=3.193, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.921, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

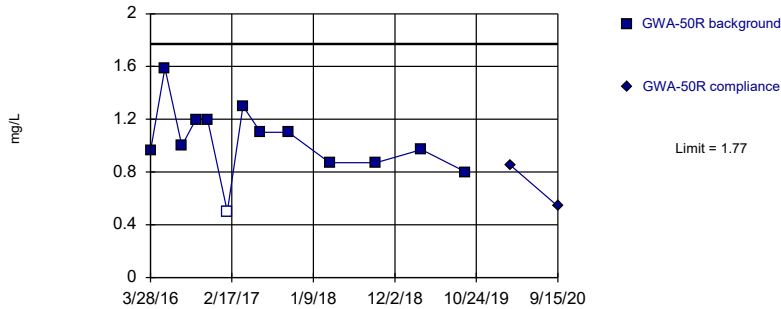


Background Data Summary: Mean=0.692, Std. Dev.=0.1413, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

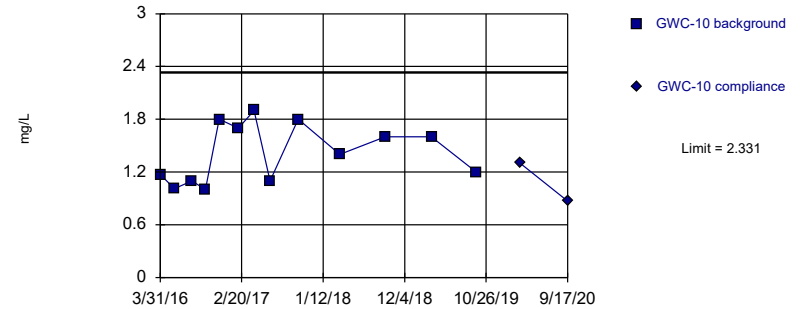


Background Data Summary: Mean=1.035, Std. Dev.=0.2659, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9736, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

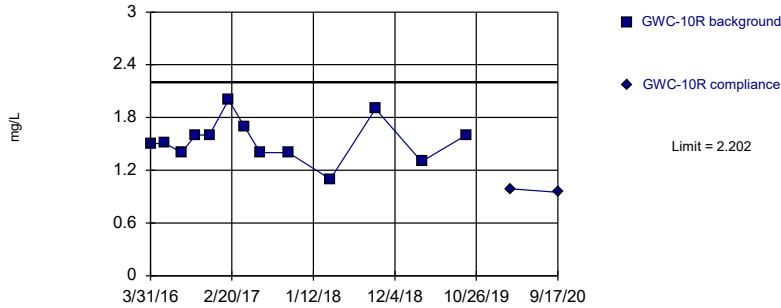


Background Data Summary: Mean=1.414, Std. Dev.=0.332, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8902, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric

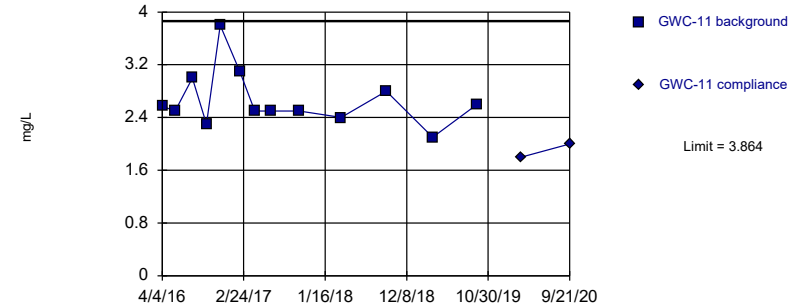


Background Data Summary: Mean=1.539, Std. Dev.=0.2398, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9641, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric

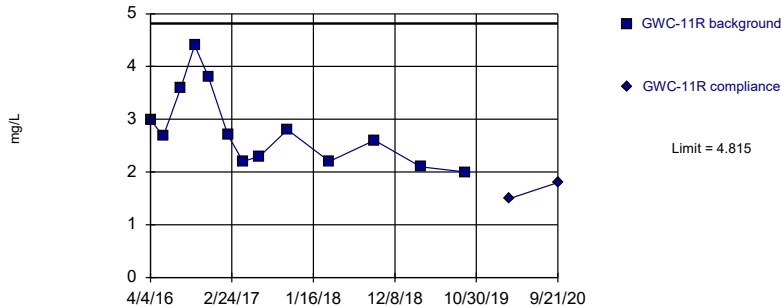


Background Data Summary: Mean=2.667, Std. Dev.=0.4333, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8549, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit Intrawell Parametric



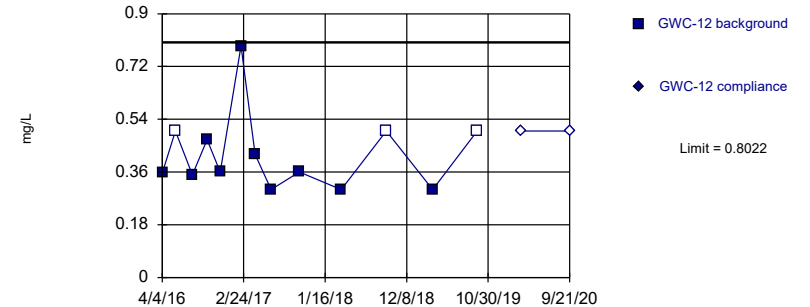
Background Data Summary: Mean=2.798, Std. Dev.=0.7303, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8882, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric

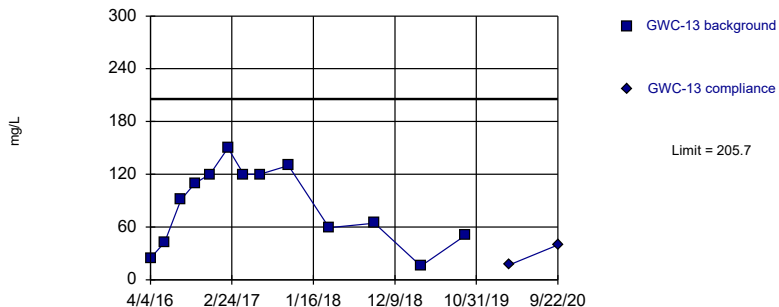


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.6222, Std. Dev.=0.09903, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8508, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

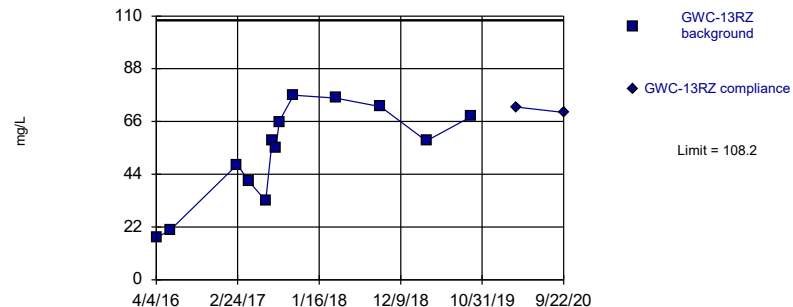


Background Data Summary: Mean=84.47, Std. Dev.=43.88, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

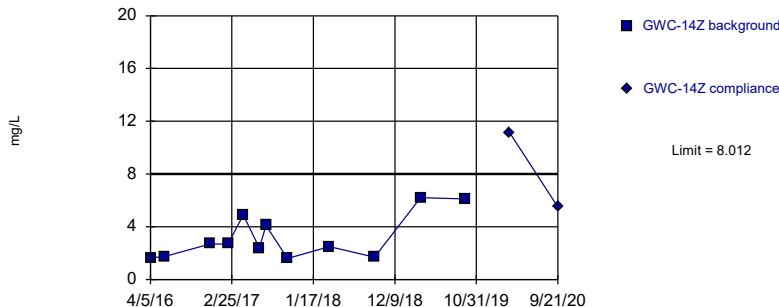


Background Data Summary: Mean=53.11, Std. Dev.=19.95, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9225, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

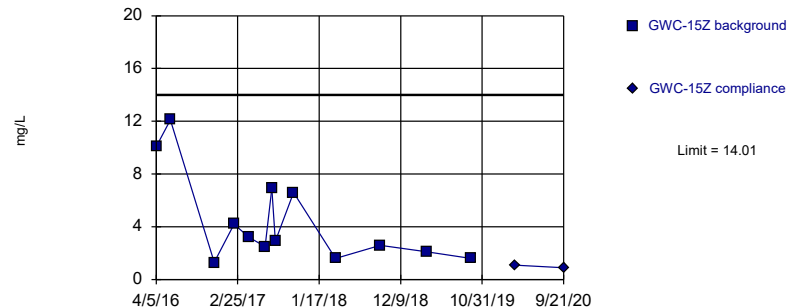


Background Data Summary: Mean=3.192, Std. Dev.=1.707, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8292, critical = 0.805. Kappa = 2.824 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

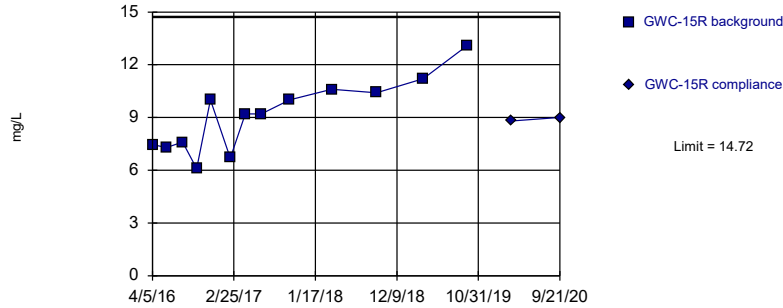


Background Data Summary: Mean=4.438, Std. Dev.=3.464, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8219, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

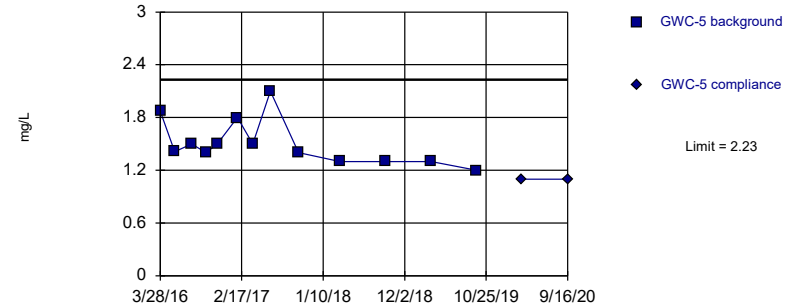


Background Data Summary: Mean=9.142, Std. Dev.=2.02, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9598, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

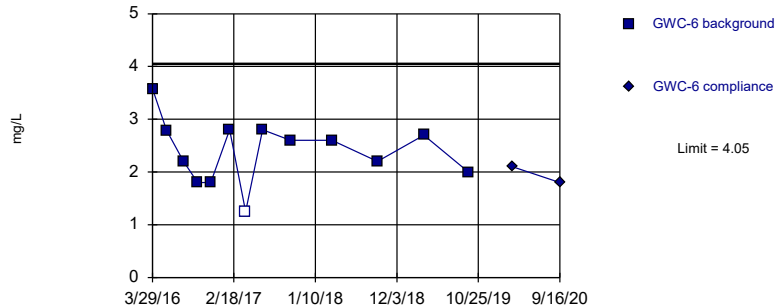


Background Data Summary: Mean=1.506, Std. Dev.=0.2621, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

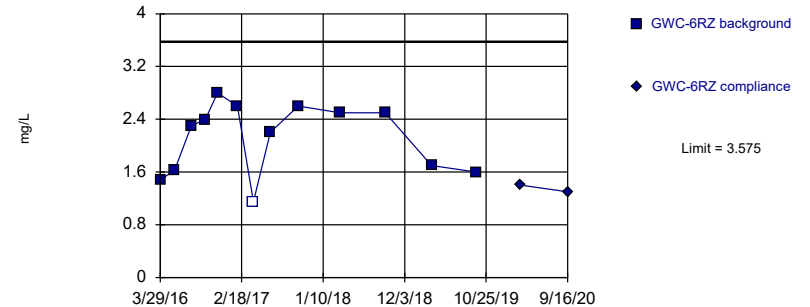


Background Data Summary: Mean=2.394, Std. Dev.=0.5998, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9582, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:36 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



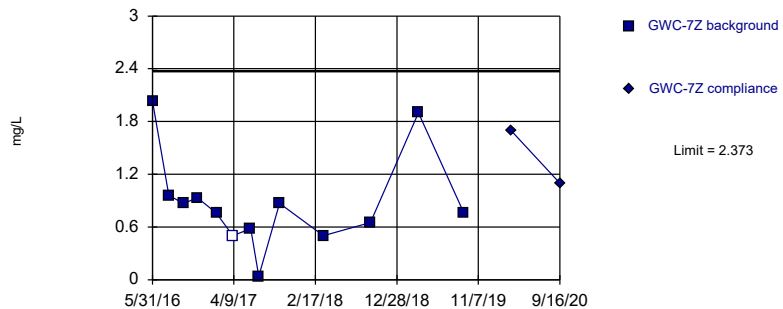
Background Data Summary: Mean=2.112, Std. Dev.=0.5298, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit

Intrawell Parametric



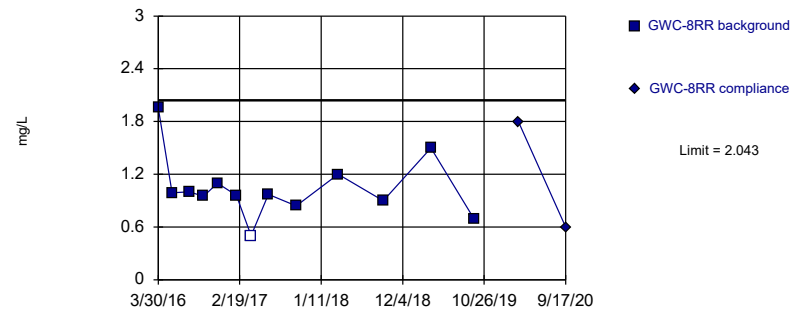
Background Data Summary: Mean=0.8731, Std. Dev.=0.5429, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8487, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit

Intrawell Parametric



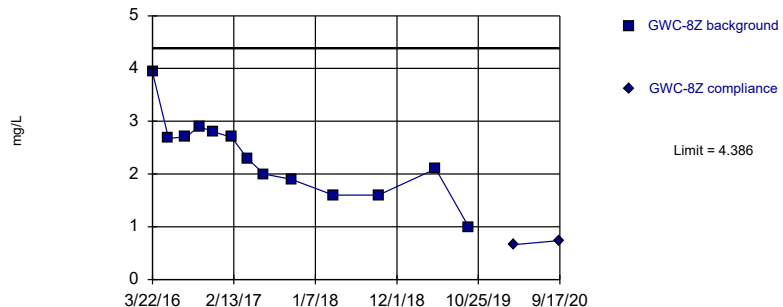
Background Data Summary: Mean=1.043, Std. Dev.=0.3621, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit

Intrawell Parametric



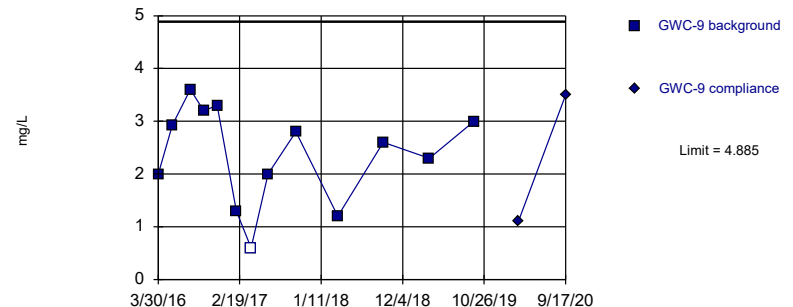
Background Data Summary: Mean=2.324, Std. Dev.=0.7467, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit

Intrawell Parametric

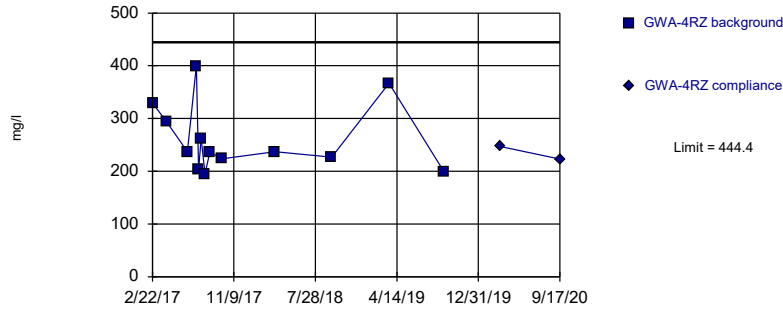


Background Data Summary: Mean=2.372, Std. Dev.=0.9101, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9445, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate, as SO4 Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

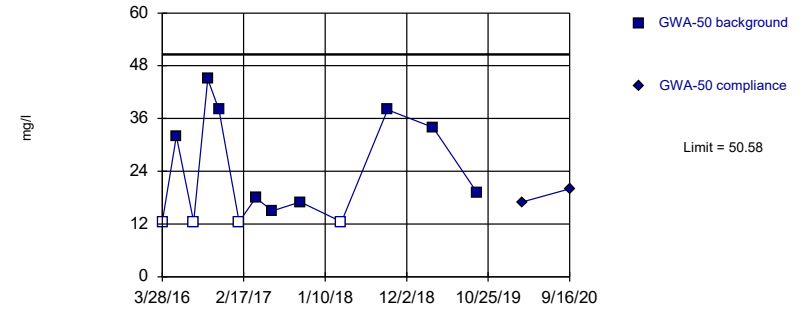


Background Data Summary: Mean=262.5, Std. Dev.=65.86, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

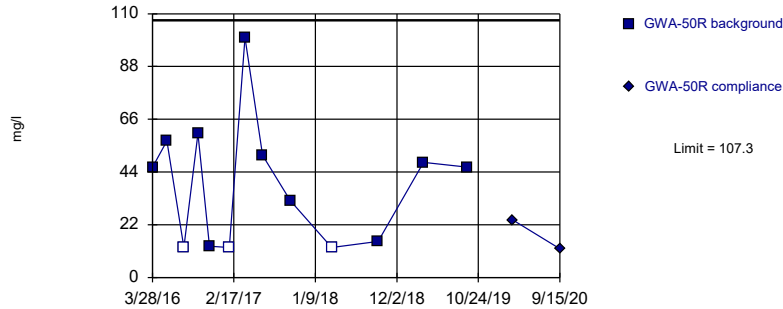


Background Data Summary (after Kaplan-Meier Adjustment): Mean=23.65, Std. Dev.=9.751, n=13, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8288, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

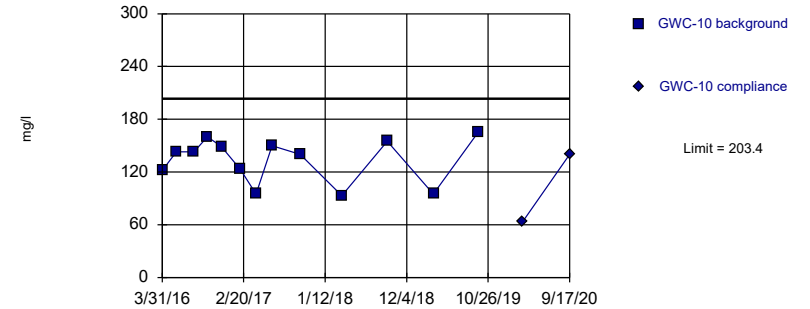


Background Data Summary (after Kaplan-Meier Adjustment): Mean=37, Std. Dev.=25.45, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8646, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

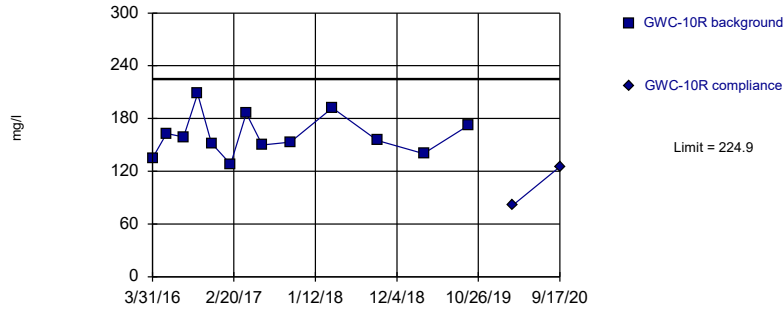


Background Data Summary: Mean=133.3, Std. Dev.=25.39, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8788, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

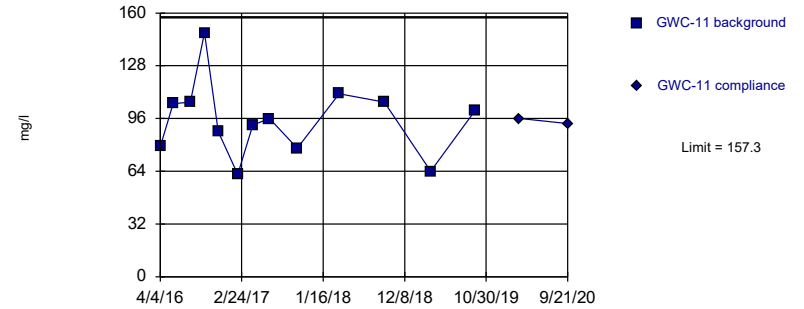


Background Data Summary: Mean=161, Std. Dev.=23.15, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9509, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

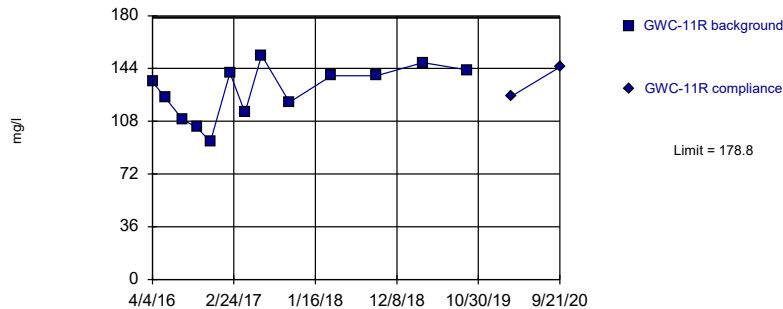


Background Data Summary: Mean=95.08, Std. Dev.=22.54, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9332, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

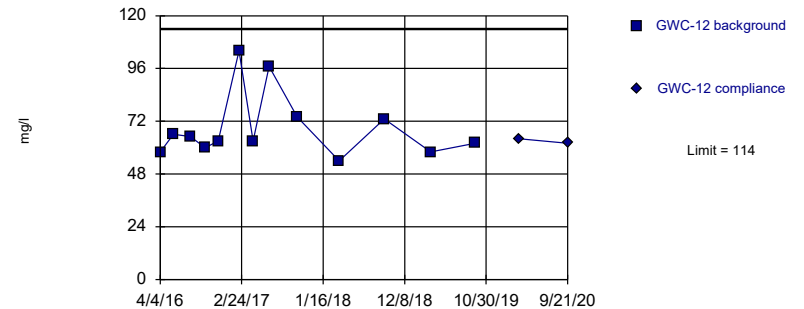


Background Data Summary: Mean=128, Std. Dev.=18.4, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

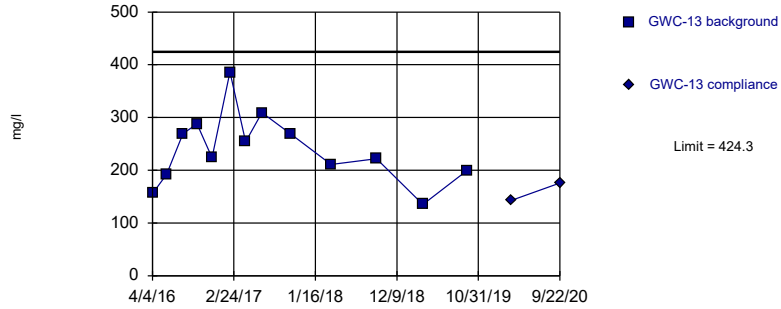


Background Data Summary (based on cube root transformation): Mean=4.084, Std. Dev.=0.2771, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8229, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

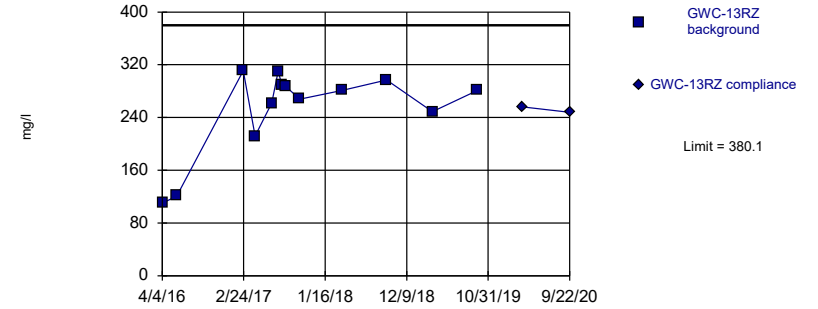


Background Data Summary: Mean=239.6, Std. Dev.=66.87, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

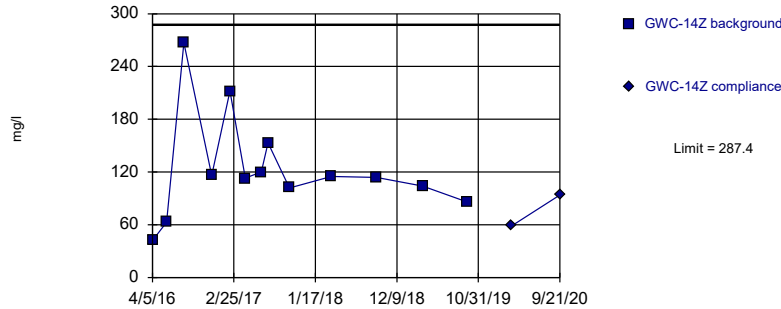


Background Data Summary (based on square transformation): Mean=67659, Std. Dev.=27810, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8439, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

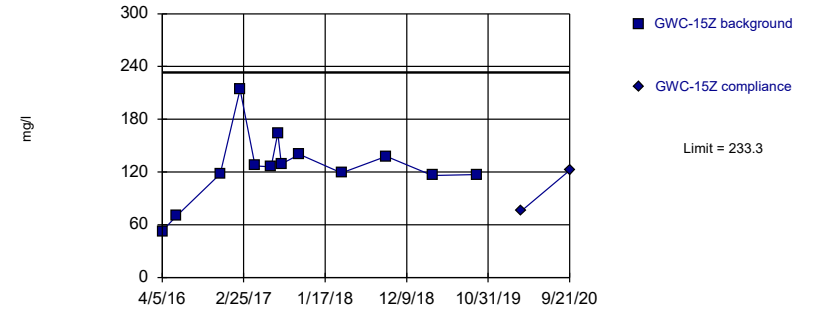


Background Data Summary: Mean=123.6, Std. Dev.=59.29, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8627, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

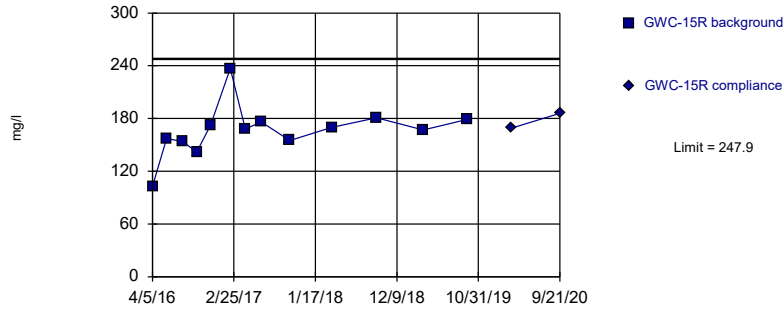
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=125.5, Std. Dev.=39.04, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9033, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit Prediction Limit
Intrawell Parametric

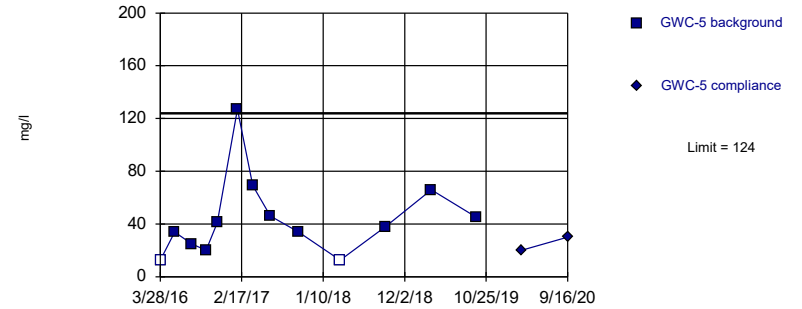


Background Data Summary: Mean=166.2, Std. Dev.=29.56, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8829, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Hollow symbols indicate censored values.

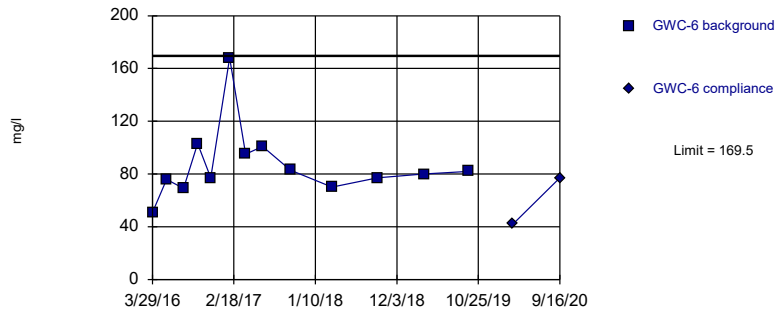
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=43.54, Std. Dev.=29.12, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8322, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

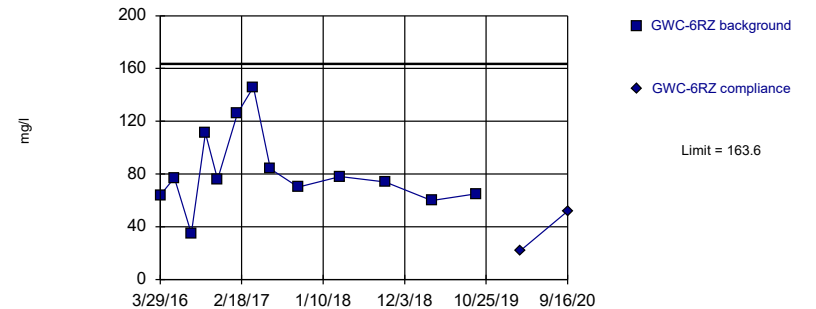
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=9.238, Std. Dev.=1.368, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.848, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit Prediction Limit
Intrawell Parametric

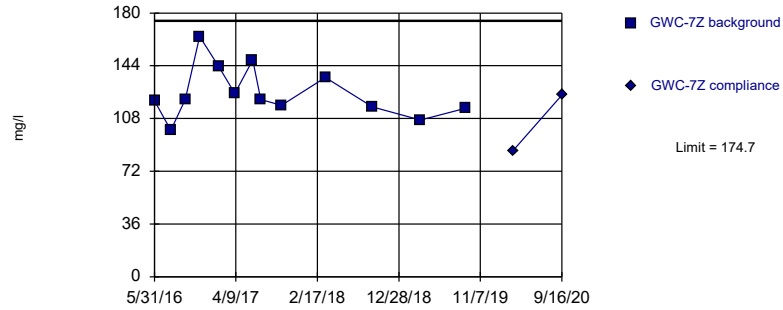


Background Data Summary: Mean=82, Std. Dev.=29.54, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8998, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

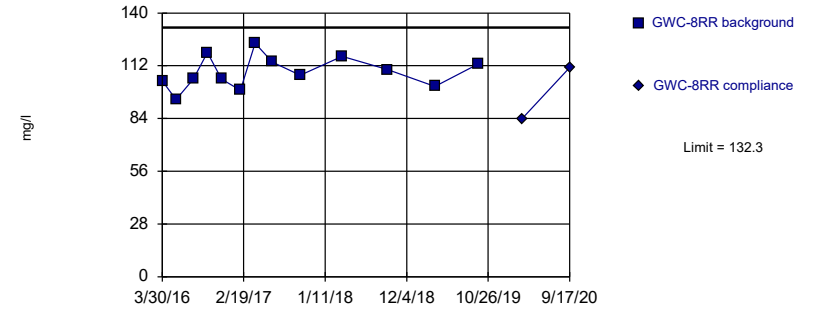


Background Data Summary: Mean=125.7, Std. Dev.=17.74, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9302, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

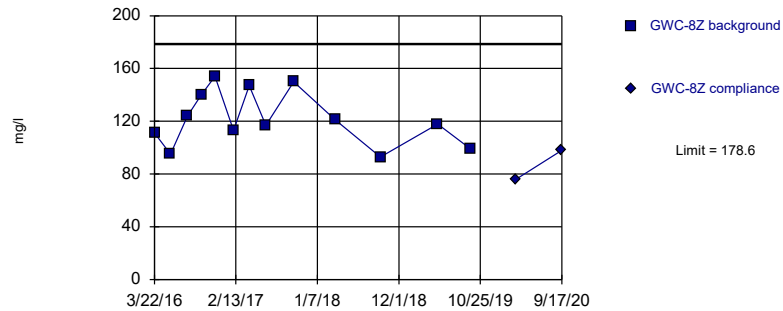


Background Data Summary: Mean=108.6, Std. Dev.=8.559, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9861, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric

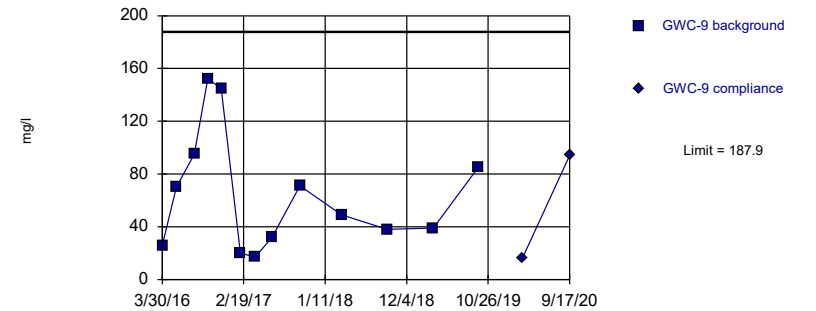


Background Data Summary: Mean=121.7, Std. Dev.=20.62, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9311, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=64.54, Std. Dev.=44.65, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8775, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids Analysis Run 11/3/2020 3:37 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
3/22/2016	32.6	
5/19/2016	33.4	
7/29/2016	26	
9/23/2016	28.8	
11/9/2016	27.9	
1/30/2017	29.2	
3/30/2017	30	
6/9/2017	30.9	
10/2/2017	31.5	
3/16/2018	28.5	
9/17/2018	30.8	
3/20/2019	30.1	
9/12/2019	31.9	
3/11/2020		31.8
9/15/2020		30.8

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
3/23/2016	54.1	
5/20/2016	23.9	
7/29/2016	25.3	
9/23/2016	26.6	
11/9/2016	16.1	
1/31/2017	5.68	
3/30/2017	25.2	
6/12/2017	34.2	
10/2/2017	1.69	
3/19/2018	63	
9/14/2018	2.4	
3/20/2019	4.3	
9/12/2019	1.8	
3/11/2020		66.6
9/15/2020		18.4

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/23/2016	46.5	
5/19/2016	24.6	
7/29/2016	14.9	
9/22/2016	15	
11/10/2016	12.6	
1/31/2017	16.5	
4/3/2017	16.6	
6/9/2017	17.8	
10/2/2017	20.6	
3/16/2018	33	
9/14/2018	22.8 (J)	
3/19/2019	59.2	
9/13/2019	27	
3/11/2020		46.8
9/15/2020		21.4

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
3/23/2016	2.05	
5/23/2016	1.29	
7/29/2016	1.29	
9/22/2016	1.51	
11/10/2016	1.54	
1/31/2017	1.34	
3/30/2017	1.31	
6/12/2017	1.4	
10/4/2017	1.13	
3/19/2018	1.2	
9/17/2018	0.95	
3/20/2019	0.96	
9/13/2019	0.94	
3/11/2020		1

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	54.7	
4/7/2017	46.8	
6/14/2017	52.4	
7/12/2017	51.1	
7/20/2017	47.5	
7/28/2017	44	
8/9/2017	48.3	
8/24/2017	41.9	
10/3/2017	47.7	
3/21/2018	47.5	
9/18/2018	48.1	
3/21/2019	49.9	
9/12/2019	49.9	
3/12/2020		54.2
9/17/2020		48.4

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
3/28/2016	3.89	
5/23/2016	2.16	
8/1/2016	1.37	
9/26/2016	1.86	
11/10/2016	1.86	
1/30/2017	2.86	
4/7/2017	2.34	
6/12/2017	1.87	
10/2/2017	2.53	
3/16/2018	1.8	
9/17/2018	2.3	
3/19/2019	4.2	
9/13/2019	1.9	
3/11/2020		1.6
9/16/2020		1.7

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
3/28/2016	7.04	
5/25/2016	13.5	
8/1/2016	2.2	
9/26/2016	5.72	
11/11/2016	2.5	
1/30/2017	2.01	
4/3/2017	6.26	
6/12/2017	7.44	
10/2/2017	6.55	
3/16/2018	2.6	
9/18/2018	1.3	
3/19/2019	4.6	
9/12/2019	3.7	
3/11/2020		1.2
9/15/2020		0.94 (J)

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	36.4	
5/26/2016	37.6	
8/5/2016	30.7	
9/28/2016	32.4	
11/22/2016	31.4	
2/7/2017	30.1	
4/10/2017	23.6	
6/14/2017	34.6	
10/4/2017	35.2	
3/20/2018	12 (J)	
9/18/2018	36.7	
3/22/2019	15.4 (J)	
9/17/2019	36.7	
3/12/2020		18.6
9/17/2020		32.6

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	45	
5/26/2016	41.7	
8/3/2016	35.2	
9/28/2016	39.2	
11/22/2016	37.2	
2/7/2017	38.4	
4/10/2017	38.7	
6/14/2017	40.8	
10/4/2017	40.1	
3/21/2018	43.3	
9/18/2018	45.4	
3/22/2019	37.2	
9/17/2019	40.5	
3/12/2020		43.2
9/17/2020		39

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	21.3	
5/26/2016	22.5	
8/3/2016	17.5	
9/28/2016	24.1	
11/22/2016	15.7	
2/8/2017	18.3	
4/10/2017	18.5	
6/15/2017	21	
10/4/2017	9.4	
3/21/2018	19.7 (J)	
9/18/2018	17.6 (J)	
3/23/2019	7.8	
9/17/2019	16.8	
3/12/2020		8
9/21/2020		17.7

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	27.9	
5/26/2016	28.7	
8/4/2016	18.6	
9/28/2016	17.7	
11/22/2016	20.2	
2/8/2017	24.3	
4/10/2017	29	
6/15/2017	29	
10/4/2017	23.9	
3/22/2018	27.5	
9/18/2018	26.3	
3/23/2019	28.3	
9/17/2019	27.6	
3/12/2020		32.5
9/21/2020		26

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	8.63	
5/27/2016	9.07	
8/3/2016	6.82	
9/30/2016	8.8	
11/22/2016	8.08	
2/13/2017	8.51	
4/11/2017	7.5	
6/14/2017	7.82	
10/4/2017	8.32	
3/22/2018	7.5	
9/18/2018	8.2	
3/23/2019	7.5	
9/17/2019	7.8	
3/12/2020		8.1
9/21/2020		8

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	36.9	
5/31/2016	43.9	
8/4/2016	45	
9/29/2016	60.5	
11/28/2016	54.7	
2/9/2017	61	
4/12/2017	52.3	
6/16/2017	62.3	
10/9/2017	58.6	
3/21/2018	40.9	
9/19/2018	45.9	
3/23/2019	29.6	
9/18/2019	40.7	
3/13/2020		33
9/22/2020		43.1

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
4/4/2016	26.5	
6/1/2016	26.6	
2/22/2017	51.6	
4/11/2017	45.2	
6/16/2017	47.5	
7/12/2017	51.6	
7/28/2017	46	
8/10/2017	52.2	
10/6/2017	42.2	
3/23/2018	41.4	
9/20/2018	47.5	
3/22/2019	40.5	
9/18/2019	42.9	
3/17/2020		44.9
9/22/2020		47.7

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
4/5/2016	35.7	
6/1/2016	28.2	
8/9/2016	43	
11/28/2016	24.8	
2/9/2017	21.2	
4/11/2017	21.1	
6/14/2017	20.6	
7/12/2017	17.7	
10/5/2017	20.1	
3/22/2018	18.6 (J)	
9/19/2018	20 (J)	
3/22/2019	16.7 (J)	
9/17/2019	11.4	
3/13/2020		17
9/21/2020		13.1

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
4/5/2016	12.2	
5/31/2016	8.24	
11/23/2016	24.5	
2/10/2017	23.8	
4/11/2017	25.7	
6/15/2017	24.8	
7/12/2017	27.7	
7/26/2017	25.6	
10/6/2017	24.7	
3/23/2018	24.3 (J)	
9/19/2018	23.7 (J)	
3/22/2019	21.3 (J)	
9/17/2019	22.1	
3/13/2020		24.2
9/21/2020		22.6

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	37.7	
5/31/2016	38.4	
8/4/2016	28.6	
9/29/2016	31.4	
11/23/2016	62.5	
2/10/2017	31.2	
4/12/2017	34.1	
6/15/2017	34.2	
10/6/2017	35.4	
3/23/2018	35.6	
9/19/2018	35.7	
3/25/2019	35.6	
9/17/2019	39.5	
3/13/2020		41
9/21/2020		36.5

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	4.29	
5/25/2016	7.15	
8/1/2016	3.35	
9/27/2016	2.89	
11/11/2016	3.33	
1/31/2017	3.21	
4/3/2017	2.57	
6/12/2017	6.22	
10/3/2017	2.45	
3/19/2018	3.3	
9/17/2018	2	
3/20/2019	2.7	
9/16/2019	2.8	
3/16/2020		12.1
9/16/2020		2.8

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
3/29/2016	13.8	
5/24/2016	14.8	
9/26/2016	13.3	
11/18/2016	12.4	
2/1/2017	13.3	
4/6/2017	13.4	
6/13/2017	14.6	
10/3/2017	13.9	
3/19/2018	14.4 (J)	
9/17/2018	12.4 (J)	
3/21/2019	14.9 (J)	
9/16/2019	13.5	
3/12/2020		16.2
9/16/2020		14.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	11.1	
5/24/2016	12.6	
9/26/2016	11.8	
11/14/2016	11.3	
2/1/2017	12.6	
4/6/2017	9.84	
6/13/2017	13	
10/3/2017	13.7	
3/20/2018	11.5 (J)	
9/17/2018	11 (J)	
3/21/2019	8.3	
9/16/2019	9.5	
3/12/2020		9.3
9/16/2020		8.8

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	25.7	
8/2/2016	22.9	
9/27/2016	22.2	
11/21/2016	22.1	
2/1/2017	21.7	
4/6/2017	21.4	
6/13/2017	24.4	
7/14/2017	24.8	
10/3/2017	23.6	
3/20/2018	22.9 (J)	
9/18/2018	20.8 (J)	
3/21/2019	25.2	
9/13/2019	24.6	
3/12/2020		26.4
9/16/2020		24.4

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	22.2	
5/24/2016	25.2	
8/2/2016	20.8	
9/27/2016	23.1	
11/22/2016	22.3	
2/6/2017	21.4	
4/6/2017	21.1	
6/14/2017	22.1	
10/4/2017	23.1	
3/21/2018	22.5 (J)	
9/18/2018	20.8 (J)	
3/27/2019	20.6 (J)	
9/16/2019	23	
3/12/2020		21.8
9/17/2020		21.4

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	25.1	
5/25/2016	23.7	
8/2/2016	21.5	
9/26/2016	21.4	
11/21/2016	21	
2/3/2017	20	
6/13/2017	21.5	
10/3/2017	22.8	
3/20/2018	20.3 (J)	
9/18/2018	15.5 (J)	
5/6/2019	20 (J)	
9/16/2019	20.3	
3/16/2020		19.4
9/17/2020		18.1

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	9.07	
5/26/2016	15.8	
8/5/2016	20.5	
9/28/2016	24.9	
11/21/2016	23.4	
2/6/2017	1.7	
4/6/2017	1.6	
6/13/2017	3.82	
10/3/2017	9.77	
3/20/2018	1.4	
9/18/2018	3.35 (D)	
3/21/2019	4.8	
9/16/2019	12	
3/12/2020		1.8
9/17/2020		18.3

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
3/22/2016	2.3685	
5/19/2016	2.14	
7/29/2016	1.9	
9/23/2016	2	
11/9/2016	1.6	
1/30/2017	1.8	
3/30/2017	1.6	
6/9/2017	1.7	
10/2/2017	1.8	
3/16/2018	1.5	
9/17/2018	1.3 (D)	
3/20/2019	1.5	
9/12/2019	0.98 (J)	
3/11/2020		0.94 (J)
9/15/2020		0.96 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
3/23/2016	105.552	
5/20/2016	44.3	
7/29/2016	48	
9/23/2016	43	
11/9/2016	31	
1/31/2017	4.2	
3/30/2017	53	
6/12/2017	95	
10/2/2017	3.5	
3/19/2018	147	
9/14/2018	7.7	
3/20/2019	3.6	
9/12/2019	5.2	
3/11/2020		131
9/15/2020		35.3

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/23/2016	26.8249	
5/19/2016	3.81	
7/29/2016	1.1	
9/22/2016	0.96 (J)	
11/10/2016	0.72 (J)	
1/31/2017	1.5	
4/3/2017	1.3	
6/9/2017	1.2	
10/2/2017	1.7	
3/16/2018	14.8 (J)	
9/14/2018	2.1	
3/19/2019	32.5 (J)	
9/13/2019	3.8	
3/11/2020		34.3
9/15/2020		1

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
3/23/2016	0.8724 (J)	
5/23/2016	0.805 (J)	
7/29/2016	0.84 (J)	
9/22/2016	0.94 (J)	
11/10/2016	1.1	
1/31/2017	0.92 (J)	
3/30/2017	0.77 (J)	
6/12/2017	0.68 (J)	
10/4/2017	0.5 (J)	
3/19/2018	0.49 (J)	
9/17/2018	0.36 (J)	
3/20/2019	0.38 (J)	
9/13/2019	<1	
3/11/2020		<1

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	22	
4/7/2017	18	
6/14/2017	20	
7/12/2017	18	
7/20/2017	20	
7/28/2017	18	
8/9/2017	19	
8/24/2017	21	
10/3/2017	25	
12/28/2017	26 (Y)	
3/21/2018	25.4	
9/18/2018	22.8	
3/21/2019	24.9	
9/12/2019	16.5	
3/12/2020		20.8
9/17/2020		20.3

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
3/28/2016	0.7283 (J)	
5/23/2016	0.728 (J)	
8/1/2016	0.78 (J)	
9/26/2016	0.82 (J)	
11/10/2016	0.92 (J)	
1/30/2017	<1	
4/7/2017	0.82 (J)	
6/12/2017	0.78 (J)	
10/2/2017	0.71 (J)	
3/16/2018	0.67 (J)	
9/17/2018	0.47 (J)	
3/19/2019	0.52 (J)	
9/13/2019	0.55 (J)	
3/11/2020		<1
9/16/2020		<1

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
3/28/2016	0.9594 (J)	
5/25/2016	1.59	
8/1/2016	1	
9/26/2016	1.2	
11/11/2016	1.2	
1/30/2017	<1	
4/3/2017	1.3	
6/12/2017	1.1	
10/2/2017	1.1	
3/16/2018	0.87 (J)	
9/18/2018	0.87 (J)	
3/19/2019	0.97 (J)	
9/12/2019	0.8 (J)	
3/11/2020		0.85 (J)
9/15/2020		0.54 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	1.17	
5/26/2016	1.01	
8/5/2016	1.1	
9/28/2016	1	
11/22/2016	1.8	
2/7/2017	1.7	
4/10/2017	1.9	
6/14/2017	1.1	
10/4/2017	1.8	
3/20/2018	1.4	
9/18/2018	1.6	
3/22/2019	1.6	
9/17/2019	1.2	
3/12/2020		1.3
9/17/2020		0.87 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	1.5	
5/26/2016	1.51	
8/3/2016	1.4	
9/28/2016	1.6	
11/22/2016	1.6	
2/7/2017	2	
4/10/2017	1.7	
6/14/2017	1.4	
10/4/2017	1.4	
3/21/2018	1.1	
9/18/2018	1.9	
3/22/2019	1.3	
9/17/2019	1.6	
3/12/2020		0.99 (J)
9/17/2020		0.95 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	2.57	
5/26/2016	2.5	
8/3/2016	3	
9/28/2016	2.3	
11/22/2016	3.8	
2/8/2017	3.1	
4/10/2017	2.5	
6/15/2017	2.5	
10/4/2017	2.5	
3/21/2018	2.4	
9/18/2018	2.8	
3/23/2019	2.1	
9/17/2019	2.6	
3/12/2020		1.8
9/21/2020		2

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	2.99	
5/26/2016	2.68	
8/4/2016	3.6	
9/28/2016	4.4	
11/22/2016	3.8	
2/8/2017	2.7	
4/10/2017	2.2	
6/15/2017	2.3	
10/4/2017	2.8	
3/22/2018	2.2	
9/18/2018	2.6	
3/23/2019	2.1	
9/17/2019	2	
3/12/2020		1.5
9/21/2020		1.8

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	0.3574 (J)	
5/27/2016	<1	
8/3/2016	0.35 (J)	
9/30/2016	0.47 (J)	
11/22/2016	0.36 (J)	
2/13/2017	0.79 (J)	
4/11/2017	0.42 (J)	
6/14/2017	0.3 (J)	
10/4/2017	0.36 (J)	
3/22/2018	0.3 (J)	
9/18/2018	<1	
3/23/2019	0.3 (J)	
9/17/2019	<1 (D)	
3/12/2020		<1
9/21/2020		<1

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	24.8	
5/31/2016	42.5	
8/4/2016	91	
9/29/2016	110	
11/28/2016	120	
2/9/2017	150	
4/12/2017	120	
6/16/2017	120	
10/9/2017	130	
3/21/2018	59.1	
9/19/2018	64.5	
3/23/2019	15.5 (J)	
9/18/2019	50.7	
3/13/2020		16.9
9/22/2020		39.6

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
4/4/2016	17.5	
6/1/2016	20.9	
2/22/2017	48	
4/11/2017	41	
6/16/2017	33	
7/12/2017	58	
7/28/2017	55	
8/10/2017	66	
10/6/2017	77	
3/23/2018	75.8	
9/20/2018	72.2	
3/22/2019	57.9	
9/18/2019	68.1	
3/17/2020		72.1
9/22/2020		69.8

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intravel
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
4/5/2016	1.65	
6/1/2016	1.75	
11/28/2016	2.7	
2/9/2017	2.7	
4/11/2017	4.9	
6/14/2017	2.4	
7/12/2017	4.1	
10/5/2017	1.6	
3/22/2018	2.5	
9/19/2018	1.7	
3/22/2019	6.2	
9/17/2019	6.1	
3/13/2020		11.1
9/21/2020		5.5

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
4/5/2016	10.1	
5/31/2016	12.1	
11/23/2016	1.3	
2/10/2017	4.2	
4/11/2017	3.2	
6/15/2017	2.5	
7/12/2017	6.9	
7/26/2017	2.9	
10/6/2017	6.6	
3/23/2018	1.6	
9/19/2018	2.6	
3/22/2019	2.1	
9/17/2019	1.6	
3/13/2020		1.1
9/21/2020		0.9 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	7.45	
5/31/2016	7.29	
8/4/2016	7.6	
9/29/2016	6.1	
11/23/2016	10	
2/10/2017	6.7	
4/12/2017	9.2	
6/15/2017	9.2	
10/6/2017	10	
3/23/2018	10.6	
9/19/2018	10.4	
3/25/2019	11.2	
9/17/2019	13.1	
3/13/2020		8.8
9/21/2020		9

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	1.87	
5/25/2016	1.41	
8/1/2016	1.5	
9/27/2016	1.4	
11/11/2016	1.5	
1/31/2017	1.8	
4/3/2017	1.5	
6/12/2017	2.1	
10/3/2017	1.4	
3/19/2018	1.3	
9/17/2018	1.3	
3/20/2019	1.3	
9/16/2019	1.2	
3/16/2020		1.1
9/16/2020		1.1

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
3/29/2016	3.5801	
5/24/2016	2.79	
8/1/2016	2.2	
9/26/2016	1.8	
11/18/2016	1.8	
2/1/2017	2.8	
4/6/2017	<2.5	
6/13/2017	2.8	
10/3/2017	2.6	
3/19/2018	2.6	
9/17/2018	2.2	
3/21/2019	2.7	
9/16/2019	2	
3/12/2020		2.1
9/16/2020		1.8

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	1.4863	
5/24/2016	1.62	
8/1/2016	2.3	
9/26/2016	2.4	
11/14/2016	2.8	
2/1/2017	2.6	
4/6/2017	<2.3	
6/13/2017	2.2	
10/3/2017	2.6	
3/20/2018	2.5	
9/17/2018	2.5	
3/21/2019	1.7	
9/16/2019	1.6	
3/12/2020		1.4
9/16/2020		1.3

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	2.03	
8/2/2016	0.96 (J)	
9/27/2016	0.87 (J)	
11/21/2016	0.93 (J)	
2/1/2017	0.76 (J)	
4/6/2017	<1	
6/13/2017	0.58 (J)	
7/14/2017	0.04 (J)	
10/3/2017	0.87 (J)	
3/20/2018	0.5 (J)	
9/18/2018	0.65 (J)	
3/21/2019	1.9	
9/13/2019	0.76 (J)	
3/12/2020		1.7
9/16/2020		1.1

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	1.9542	
5/24/2016	0.989 (J)	
8/2/2016	1	
9/27/2016	0.95 (J)	
11/22/2016	1.1	
2/6/2017	0.96 (J)	
4/6/2017	<1	
6/14/2017	0.97 (J)	
10/4/2017	0.84 (J)	
3/21/2018	1.2	
9/18/2018	0.9 (J)	
3/27/2019	1.5	
9/16/2019	0.69 (JD)	
3/12/2020		1.8
9/17/2020		0.6 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	3.9321	
5/25/2016	2.68	
8/2/2016	2.7	
9/26/2016	2.9	
11/21/2016	2.8	
2/3/2017	2.7	
4/7/2017	2.3	
6/13/2017	2	
10/3/2017	1.9	
3/20/2018	1.6	
9/18/2018	1.6	
5/6/2019	2.1	
9/16/2019	1	
3/16/2020		0.66 (J)
9/17/2020		0.74 (J)

Prediction Limit

Constituent: Sulfate, as SO4 (mg/L) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	2	
5/26/2016	2.93	
8/5/2016	3.6	
9/28/2016	3.2	
11/21/2016	3.3	
2/6/2017	1.3	
4/6/2017	<1.2	
6/13/2017	2	
10/3/2017	2.8	
3/20/2018	1.2	
9/18/2018	2.6	
3/21/2019	2.3	
9/16/2019	3	
3/12/2020		1.1
9/17/2020		3.5

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1	GWA-1
3/22/2016	150	
5/19/2016	150	
7/29/2016	146	
9/23/2016	163	
11/9/2016	147	
1/30/2017	127	
3/30/2017	137	
6/9/2017	164	
10/2/2017	137	
3/16/2018	140	
9/17/2018	162	
3/20/2019	175	
9/12/2019	174	
3/11/2020		172
9/15/2020		156

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2	GWA-2
3/23/2016	259	
5/20/2016	122	
7/29/2016	156	
9/23/2016	150	
11/9/2016	87	
1/31/2017	63	
3/30/2017	112	
6/12/2017	216	
10/2/2017	<25	
3/19/2018	295	
9/14/2018	30	
3/20/2019	49	
9/12/2019	44	
3/11/2020		309
9/15/2020		28

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-2R	GWA-2R
3/23/2016	174	
5/19/2016	93	
7/29/2016	68	
9/22/2016	91	
11/10/2016	96	
1/31/2017	206	
4/3/2017	118	
6/9/2017	87	
10/2/2017	73	
3/16/2018	130	
9/14/2018	103	
3/19/2019	208	
9/13/2019	113	
3/11/2020		170
9/15/2020		89

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-3	GWA-3
3/23/2016	<25	
5/23/2016	<25	
7/29/2016	17 (J)	
9/22/2016	33	
11/10/2016	41	
1/31/2017	58	
3/30/2017	<25	
6/12/2017	20 (J)	
10/4/2017	<25	
3/19/2018	<25	
9/17/2018	32	
3/20/2019	30	
9/13/2019	19	
3/11/2020		24

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-4RZ	GWA-4RZ
2/22/2017	329	
4/7/2017	295	
6/14/2017	237	
7/12/2017	400	
7/20/2017	203	
7/28/2017	262	
8/9/2017	195	
8/24/2017	236	
10/3/2017	224	
3/21/2018	237	
9/18/2018	227	
3/21/2019	367	
9/12/2019	200	
3/12/2020		247
9/17/2020		223

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50	GWA-50
3/28/2016	<25	
5/23/2016	32	
8/1/2016	<25	
9/26/2016	45	
11/10/2016	38	
1/30/2017	<25	
4/7/2017	18 (J)	
6/12/2017	15 (J)	
10/2/2017	17 (J)	
3/16/2018	<25	
9/17/2018	38	
3/19/2019	34	
9/13/2019	19	
3/11/2020		17
9/16/2020		20

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-50R	GWA-50R
3/28/2016	46	
5/25/2016	57	
8/1/2016	<25	
9/26/2016	60	
11/11/2016	13 (J)	
1/30/2017	<25	
4/3/2017	100	
6/12/2017	51	
10/2/2017	32	
3/16/2018	<25	
9/18/2018	15 (J)	
3/19/2019	48	
9/12/2019	46	
3/11/2020		24
9/15/2020		12

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10	GWC-10
3/31/2016	122	
5/26/2016	143	
8/5/2016	143	
9/28/2016	160	
11/22/2016	149	
2/7/2017	123	
4/10/2017	95	
6/14/2017	150	
10/4/2017	140	
3/20/2018	93	
9/18/2018	155	
3/22/2019	95	
9/17/2019	165	
3/12/2020		63
9/17/2020		140

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-10R	GWC-10R
3/31/2016	135	
5/26/2016	163	
8/3/2016	159	
9/28/2016	208	
11/22/2016	152	
2/7/2017	128	
4/10/2017	186	
6/14/2017	150	
10/4/2017	153	
3/21/2018	192	
9/18/2018	155	
3/22/2019	140	
9/17/2019	172	
3/12/2020		81
9/17/2020		125

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11	GWC-11
4/4/2016	79	
5/26/2016	105	
8/3/2016	106	
9/28/2016	148	
11/22/2016	88	
2/8/2017	62	
4/10/2017	92	
6/15/2017	96	
10/4/2017	78	
3/21/2018	111	
9/18/2018	106	
3/23/2019	64	
9/17/2019	101	
3/12/2020		96
9/21/2020		93

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-11R	GWC-11R
4/4/2016	135	
5/26/2016	124	
8/4/2016	109	
9/28/2016	104	
11/22/2016	94	
2/8/2017	141 (J)	
4/10/2017	114	
6/15/2017	153	
10/4/2017	121	
3/22/2018	139	
9/18/2018	139	
3/23/2019	148	
9/17/2019	143	
3/12/2020		125
9/21/2020		145

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-12	GWC-12
4/4/2016	58	
5/27/2016	66	
8/3/2016	65	
9/30/2016	60	
11/22/2016	63	
2/13/2017	104 (J)	
4/11/2017	63	
6/14/2017	97	
10/4/2017	74	
3/22/2018	54	
9/18/2018	73	
3/23/2019	58	
9/17/2019	62	
3/12/2020		64
9/21/2020		62

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-13
4/4/2016	156	
5/31/2016	192	
8/4/2016	269	
9/29/2016	288	
11/28/2016	224	
2/9/2017	386	
4/12/2017	254	
6/16/2017	309	
10/9/2017	269	
3/21/2018	211	
9/19/2018	222	
3/23/2019	135	
9/18/2019	200	
3/13/2020		143
9/22/2020		176

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13RZ	GWC-13RZ
4/4/2016	110	
6/1/2016	121	
2/22/2017	311	
4/11/2017	212	
6/16/2017	262	
7/12/2017	310	
7/28/2017	289	
8/10/2017	288	
10/6/2017	268	
3/23/2018	281	
9/20/2018	297	
3/22/2019	249	
9/18/2019	281	
3/17/2020		256
9/22/2020		248

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-14Z	GWC-14Z
4/5/2016	42	
6/1/2016	63	
8/9/2016	267	
11/28/2016	116	
2/9/2017	212 (J)	
4/11/2017	113	
6/14/2017	120	
7/12/2017	153	
10/5/2017	102	
3/22/2018	115	
9/19/2018	114	
3/22/2019	104	
9/17/2019	86	
3/13/2020		59
9/21/2020		94

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15Z	GWC-15Z
4/5/2016	53	
5/31/2016	70	
11/23/2016	118	
2/10/2017	214	
4/11/2017	127	
6/15/2017	126	
7/12/2017	164	
7/26/2017	129	
10/6/2017	140	
3/23/2018	119	
9/19/2018	138	
3/22/2019	116	
9/17/2019	117	
3/13/2020		76
9/21/2020		122

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-15R	GWC-15R
4/5/2016	103	
5/31/2016	157	
8/4/2016	154	
9/29/2016	142	
11/23/2016	172	
2/10/2017	237	
4/12/2017	168	
6/15/2017	176	
10/6/2017	155	
3/23/2018	170	
9/19/2018	181	
3/25/2019	167	
9/17/2019	179	
3/13/2020		169
9/21/2020		186

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-5	GWC-5
3/28/2016	<25	
5/25/2016	34	
8/1/2016	25	
9/27/2016	20 (J)	
11/11/2016	41	
1/31/2017	127	
4/3/2017	69	
6/12/2017	46	
10/3/2017	34	
3/19/2018	<25	
9/17/2018	38	
3/20/2019	66	
9/16/2019	45	
3/16/2020		20
9/16/2020		30

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-6
3/29/2016	51	
5/24/2016	76	
8/1/2016	69	
9/26/2016	103	
11/18/2016	77	
2/1/2017	168	
4/6/2017	95	
6/13/2017	101	
10/3/2017	83	
3/19/2018	70	
9/17/2018	77	
3/21/2019	80	
9/16/2019	82	
3/12/2020		42
9/16/2020		77

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-6RZ
3/29/2016	64	
5/24/2016	77	
8/1/2016	35	
9/26/2016	111	
11/14/2016	76	
2/1/2017	126	
4/6/2017	146	
6/13/2017	84	
10/3/2017	70	
3/20/2018	78	
9/17/2018	74	
3/21/2019	60	
9/16/2019	65	
3/12/2020		22
9/16/2020		52

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-7Z	GWC-7Z
5/31/2016	120	
8/2/2016	100	
9/27/2016	121	
11/21/2016	164	
2/1/2017	144	
4/6/2017	125	
6/13/2017	148	
7/14/2017	121	
10/3/2017	117	
3/20/2018	136	
9/18/2018	116	
3/21/2019	107	
9/13/2019	115	
3/12/2020		86
9/16/2020		124

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8RR	GWC-8RR
3/30/2016	104	
5/24/2016	94	
8/2/2016	105	
9/27/2016	119	
11/22/2016	105	
2/6/2017	99	
4/6/2017	124	
6/14/2017	114	
10/4/2017	107	
3/21/2018	117	
9/18/2018	110	
3/27/2019	101	
9/16/2019	113	
3/12/2020		84
9/17/2020		111

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-8Z	GWC-8Z
3/22/2016	111	
5/25/2016	95	
8/2/2016	124	
9/26/2016	140	
11/21/2016	154	
2/3/2017	113	
4/7/2017	147	
6/13/2017	117	
10/3/2017	150	
3/20/2018	121	
9/18/2018	93	
5/6/2019	118	
9/16/2019	99	
3/16/2020		76
9/17/2020		98

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/3/2020 3:40 PM View: App III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-9	GWC-9
3/30/2016	26	
5/26/2016	70	
8/5/2016	95	
9/28/2016	152	
11/21/2016	145	
2/6/2017	20 (J)	
4/6/2017	17 (J)	
6/13/2017	32	
10/3/2017	71	
3/20/2018	49	
9/18/2018	38	
3/21/2019	39	
9/16/2019	85	
3/12/2020		16
9/17/2020		94

FIGURE I.

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-13RZ	3.7	n/a	9/22/2020	7	Yes	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
pH (pH units)	GWC-10R	7.65	5.07	9/17/2020	7.7	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11R	7.65	5.07	9/21/2020	7.84	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8RR	7.65	5.07	9/17/2020	7.96	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-10	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10R	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11R	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.1	n/a	9/22/2020	0.0087J	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13RZ	0.1	n/a	9/22/2020	0.01J	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-14Z	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-15Z	0.1	n/a	9/21/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-15R	0.1	n/a	9/21/2020	0.0075J	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.1	n/a	9/16/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6	0.1	n/a	9/16/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6RZ	0.1	n/a	9/16/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-7Z	0.1	n/a	9/16/2020	0.0052J	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8RR	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8Z	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.1	n/a	9/17/2020	0.1ND	No	104	n/a	n/a	69.23	n/a	n/a	0.0001798	NP Inter (NDs) 1 of 2
Chloride (mg/L)	GWC-10	3.7	n/a	9/17/2020	2.5	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10R	3.7	n/a	9/17/2020	2.9	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	3.7	n/a	9/21/2020	1	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11R	3.7	n/a	9/21/2020	1.3	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	3.7	n/a	9/21/2020	0.71J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	3.7	n/a	9/22/2020	3.5	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13RZ	3.7	n/a	9/22/2020	7	Yes	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-14Z	3.7	n/a	9/21/2020	3.5	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-15Z	3.7	n/a	9/21/2020	0.64J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-15R	3.7	n/a	9/21/2020	1.6	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-5	3.7	n/a	9/16/2020	0.7J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-6	3.7	n/a	9/16/2020	1.2	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-6RZ	3.7	n/a	9/16/2020	1.2	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-7Z	3.7	n/a	9/16/2020	0.79J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-8RR	3.7	n/a	9/17/2020	0.77J	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-8Z	3.7	n/a	9/17/2020	1.4	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	3.7	n/a	9/17/2020	1.9	No	104	n/a	n/a	5.769	n/a	n/a	0.0001798	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-10	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10R	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11R	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-13	0.3	n/a	9/22/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-13RZ	0.3	n/a	9/22/2020	0.1J	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-14Z	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-15Z	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-15R	0.3	n/a	9/21/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-5	0.3	n/a	9/16/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-6	0.3	n/a	9/16/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-6RZ	0.3	n/a	9/16/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-7Z	0.3	n/a	9/16/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-8RR	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-8Z	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.3	n/a	9/17/2020	0.3ND	No	103	n/a	n/a	52.43	n/a	n/a	0.0001827	NP Inter (NDs) 1 of 2
pH (pH units)	GWC-10	7.65	5.07	9/17/2020	7.28	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-10R	7.65	5.07	9/17/2020	7.7	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11	7.65	5.07	9/21/2020	7.02	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-11R	7.65	5.07	9/21/2020	7.84	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-12	7.65	5.07	9/21/2020	6.28	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2

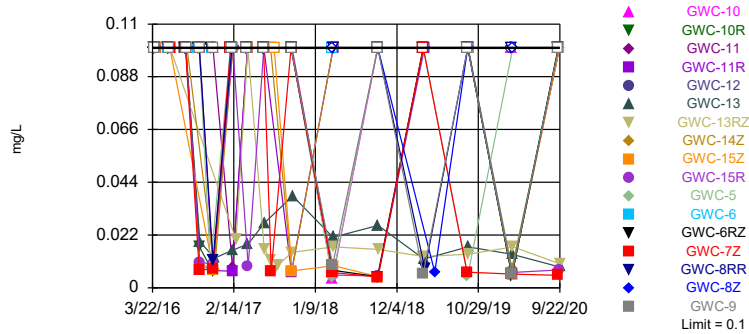
Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 3:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-13	7.65	5.07	9/22/2020	7.34	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-13RZ	7.65	5.07	9/22/2020	6.95	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-14Z	7.65	5.07	9/21/2020	6.06	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-15Z	7.65	5.07	9/21/2020	7.65	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-15R	7.65	5.07	9/21/2020	7.48	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-5	7.65	5.07	9/16/2020	6	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-6	7.65	5.07	9/16/2020	7.33	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-6RZ	7.65	5.07	9/16/2020	6.99	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-7Z	7.65	5.07	9/16/2020	7.56	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8RR	7.65	5.07	9/17/2020	7.96	Yes	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-8Z	7.65	5.07	9/17/2020	7.05	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2
pH (pH units)	GWC-9	7.65	5.07	9/17/2020	6.39	No	105	n/a	n/a	0	n/a	n/a	0.0003539	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

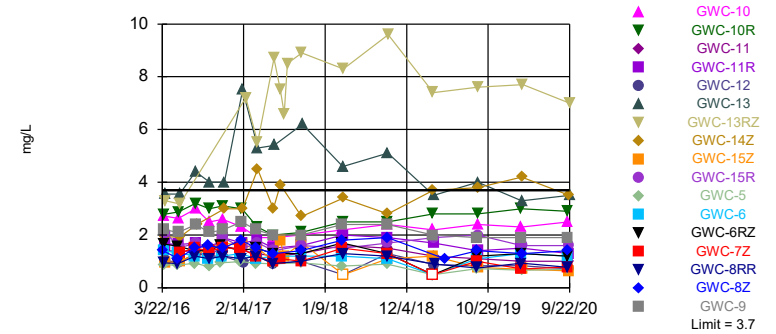


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 104 background values. 69.23% NDs. Annual per-constituent alpha = 0.006095. Individual comparison alpha = 0.0001798 (1 of 2). Comparing 17 points to limit.

Constituent: Boron Analysis Run 11/3/2020 3:34 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limit: GWC-13RZ

Prediction Limit
Interwell Non-parametric

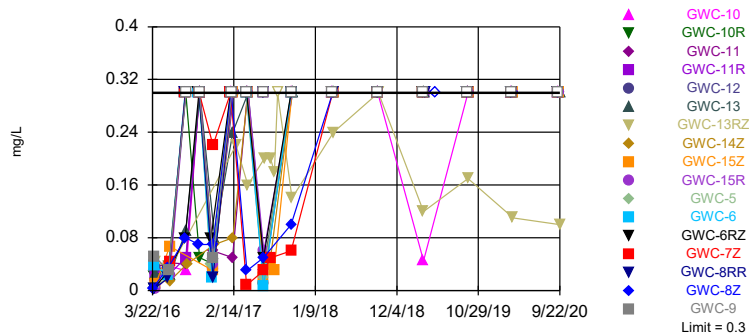


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 104 background values. 5.769% NDs. Annual per-constituent alpha = 0.006095. Individual comparison alpha = 0.0001798 (1 of 2). Comparing 17 points to limit.

Constituent: Chloride Analysis Run 11/3/2020 3:34 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Within Limit

Prediction Limit
Interwell Non-parametric

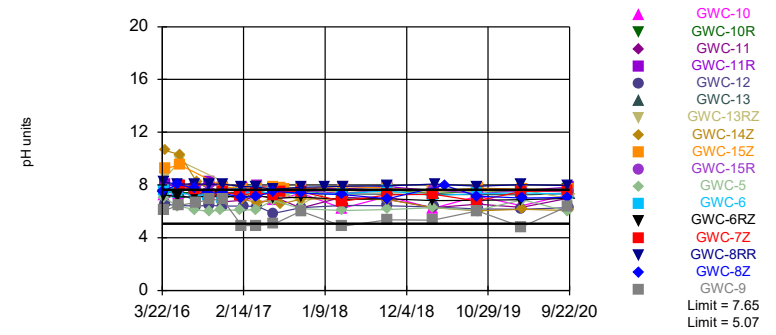


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 103 background values. 52.43% NDs. Annual per-constituent alpha = 0.006192. Individual comparison alpha = 0.0001827 (1 of 2). Comparing 17 points to limit.

Constituent: Fluoride Analysis Run 11/3/2020 3:34 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Exceeds Limits: GWC-10R, GWC-11R, GWC-8RR

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 105 background values. Annual per-constituent alpha = 0.012. Individual comparison alpha = 0.0003539 (1 of 2). Comparing 17 points to limit.

Constituent: pH Analysis Run 11/3/2020 3:34 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-2 (bg)	GWA-3 (bg)	GWA-2R (bg)	GWC-5	GWA-50R (bg)	GWA-50 (bg)	GWC-6
3/22/2016	<0.1	<0.1							
3/23/2016			<0.1	<0.1	<0.1				
3/28/2016						<0.1	<0.1	<0.1	
3/29/2016									<0.1
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	<0.1				<0.1				
5/20/2016			<0.1						
5/23/2016				<0.1				<0.1	
5/24/2016									<0.1
5/25/2016		<0.1				<0.1	<0.1		
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	<0.1		<0.1	<0.1	<0.1				
8/1/2016						<0.1	<0.1	<0.1	<0.1
8/2/2016		<0.1							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016				<0.1	<0.1				
9/23/2016	<0.1		<0.1						
9/26/2016		<0.1					<0.1	<0.1	<0.1
9/27/2016						<0.1			
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	<0.1		<0.1						
11/10/2016				<0.1	<0.1			<0.1	
11/11/2016						0.0083 (J)	0.0193 (J)		
11/14/2016									
11/18/2016									<0.1
11/21/2016		<0.1							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	<0.1						<0.1	<0.1	
1/31/2017			<0.1	<0.1	<0.1	<0.1			
2/1/2017									<0.1
2/3/2017		<0.1							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	0.0065 (J)		<0.1	<0.1					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10R	GWC-10	GWC-13RZ	GWC-11R	GWC-11	GWC-12
4/3/2017									
4/6/2017	<0.1	<0.1	<0.1						
4/7/2017									
4/10/2017				<0.1	<0.1		<0.1	<0.1	
4/11/2017						<0.1			<0.1
4/12/2017									
6/9/2017									
6/12/2017									
6/13/2017	<0.1		<0.1						
6/14/2017		<0.1		<0.1	<0.1				<0.1
6/15/2017							<0.1	<0.1	
6/16/2017						0.0163 (J)			
7/12/2017						0.0117 (J)			
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017						0.0071 (J)			
8/9/2017									
8/10/2017						0.0093 (J)			
8/24/2017									
10/2/2017									
10/3/2017	<0.1		<0.1						
10/4/2017		<0.1		<0.1	<0.1		0.0065 (J)	<0.1	<0.1
10/5/2017									
10/6/2017						0.0148 (J)			
10/9/2017									
3/16/2018									
3/19/2018									
3/20/2018	0.0073 (J)		0.0096 (J)		0.004 (J)				
3/21/2018		<0.1		<0.1				<0.1	
3/22/2018							<0.1		<0.1
3/23/2018						0.017 (J)			
9/14/2018									
9/17/2018	0.0046 (J)								
9/18/2018		<0.1	<0.1 (D)	<0.1	<0.1		<0.1	<0.1	<0.1
9/19/2018									
9/20/2018						0.016 (J)			
3/19/2019									
3/20/2019									
3/21/2019	<0.1		0.006 (J)						
3/22/2019				<0.1	<0.1	0.013 (J)			
3/23/2019							<0.1	<0.1	<0.1
3/25/2019									
3/27/2019		0.0078 (J)							
5/6/2019									
9/12/2019									
9/13/2019									
9/16/2019	<0.1	<0.1 (D)	<0.1						
9/17/2019				<0.1	<0.1		<0.1	<0.1	<0.1 (D)
9/18/2019						0.014 (X)			
3/11/2020									
3/12/2020	0.0052 (J)	<0.1	0.0058 (J)	0.005 (J)	<0.1		0.0058 (J)	<0.1	<0.1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10R	GWC-10	GWC-13RZ	GWC-11R	GWC-11	GWC-12
3/13/2020									
3/16/2020									
3/17/2020						0.017 (J)			
9/15/2020									
9/16/2020	<0.1								
9/17/2020		<0.1	<0.1	<0.1	<0.1				
9/21/2020							<0.1	<0.1	<0.1
9/22/2020						0.01 (J)			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-14Z	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	<0.1					
4/5/2016		<0.1	<0.1	<0.1		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	<0.1	<0.1	<0.1		<0.1	
6/1/2016				<0.1		
7/29/2016						
8/1/2016						
8/2/2016					<0.1	
8/3/2016						
8/4/2016	<0.1		<0.1			
8/5/2016						
8/9/2016				0.0998 (D)		
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					0.0073 (J)	
9/28/2016						
9/29/2016	0.0192 (J)		0.0106 (J)			
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					0.008 (J)	
11/22/2016						
11/23/2016		0.0076 (J)	0.0099 (J)			
11/28/2016	0.0124 (J)			0.0072 (J)		
1/30/2017						
1/31/2017						
2/1/2017					<0.1	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	0.0157 (J)			<0.1		
2/10/2017		<0.1	<0.1			
2/13/2017						
2/22/2017						0.022 (J)
3/30/2017						

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-14Z	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					<0.1	
4/7/2017						0.0082 (J)
4/10/2017						
4/11/2017		<0.1		<0.1		
4/12/2017	0.0183 (J)		0.009 (J)			
6/9/2017						
6/12/2017						
6/13/2017					<0.1	
6/14/2017				<0.1		0.008 (J)
6/15/2017		<0.1	<0.1			
6/16/2017	0.0269 (J)					
7/12/2017		<0.1		<0.1		0.0082 (J)
7/14/2017					0.007 (J)	
7/20/2017						0.0091 (J)
7/26/2017		<0.1				
7/28/2017						<0.1
8/9/2017						0.0071 (J)
8/10/2017						
8/24/2017						0.0062 (J)
10/2/2017						
10/3/2017					<0.1	0.006 (J)
10/4/2017						
10/5/2017				0.0068 (J)		
10/6/2017		0.0071 (J)	<0.1			
10/9/2017	0.0383 (J)					
3/16/2018						
3/19/2018						
3/20/2018					0.0064 (J)	
3/21/2018	0.021 (J)					0.0062 (J)
3/22/2018				<0.1		
3/23/2018		0.0092 (J)	0.0053 (J)			
9/14/2018						
9/17/2018						
9/18/2018					0.0045 (J)	0.0096 (J)
9/19/2018	0.026 (J)	0.0046 (J)	0.0049 (J)	<0.1		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					<0.1	0.0066 (J)
3/22/2019		<0.1		<0.1		
3/23/2019	0.012 (J)					
3/25/2019			<0.1			
3/27/2019						
5/6/2019						
9/12/2019						0.012 (J)
9/13/2019					0.0065 (J)	
9/16/2019						
9/17/2019		<0.1	<0.1	<0.1		
9/18/2019	0.017 (J)					
3/11/2020						
3/12/2020					0.0057 (J)	0.014 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-14Z	GWC-7Z	GWA-4RZ (bg)
3/13/2020	0.014 (J)	0.0054 (J)	0.0064 (J)	0.0081 (J)		
3/16/2020						
3/17/2020						
9/15/2020						
9/16/2020					0.0052 (J)	
9/17/2020						0.015 (J)
9/21/2020		<0.1	0.0075 (J)	<0.1		
9/22/2020	0.0087 (J)					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-2 (bg)	GWA-3 (bg)	GWA-2R (bg)	GWC-5	GWA-50R (bg)	GWA-50 (bg)	GWC-6
3/22/2016	1.5101	1.4231							
3/23/2016			2.4904	1.6092	0.9079				
3/28/2016						0.8659	0.9204	1.14	
3/29/2016									1.3977
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	1.5				0.9136				
5/20/2016			1.71						
5/23/2016				1.52				1.19	
5/24/2016									1.33
5/25/2016		1.11				0.8639	1.04		
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	1.7		2	1.5	1.1				
8/1/2016						0.93	0.85	1.2	1.2
8/2/2016		1.5							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016				1.4	1				
9/23/2016	1.8		1.8						
9/26/2016		1.6					0.87	1.1	1.1
9/27/2016						0.8			
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	2		1.6						
11/10/2016				1.6	1.2			1.3	
11/11/2016						0.95	0.99		
11/14/2016									
11/18/2016									1.2
11/21/2016		1.5							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	1.5						0.95	1.2	
1/31/2017			1.3	1.6	1.2	0.99			
2/1/2017									1.3
2/3/2017		1.8							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	1.8		1.6	1.4					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10R	GWC-10	GWC-13RZ	GWC-11R	GWC-11	GWC-12
4/3/2017									
4/6/2017	1.5	1.2	2.2						
4/7/2017									
4/10/2017				2.3	1.9		1.8	1.3	
4/11/2017						5.5			1.2
4/12/2017									
6/9/2017									
6/12/2017									
6/13/2017	1.3		2						
6/14/2017		0.92		2	1.9				0.89
6/15/2017							1.5	1.2	
6/16/2017						8.7			
7/12/2017						7.5			
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017						6.6			
8/9/2017									
8/10/2017						8.5			
8/24/2017									
10/2/2017									
10/3/2017	1.3		2						
10/4/2017		1		2.1	2		1.6	1.3	1
10/5/2017									
10/6/2017						8.9			
10/9/2017									
3/16/2018									
3/19/2018									
3/20/2018	1.7		2.4		2.2				
3/21/2018		1.3		2.5				1.6	
3/22/2018							2		<1
3/23/2018						8.3			
9/14/2018									
9/17/2018	1.3								
9/18/2018		1.2	2.4 (D)	2.5	2.4		1.9	1.5	1.3
9/19/2018									
9/20/2018						9.6			
3/19/2019									
3/20/2019									
3/21/2019	<1		2						
3/22/2019				2.8	2.2	7.4			
3/23/2019							1.7	1.2	0.88
3/25/2019									
3/27/2019		0.9							
5/6/2019									
9/12/2019									
9/13/2019									
9/16/2019	1.2	0.75 (JD)	1.9						
9/17/2019				2.8	2.4		1.4	1.1	0.835 (JD)
9/18/2019						7.6			
3/11/2020									
3/12/2020	1.3	0.93 (J)	1.9	3	2.3		1.5	1	0.84 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10R	GWC-10	GWC-13RZ	GWC-11R	GWC-11	GWC-12
3/13/2020									
3/16/2020									
3/17/2020						7.7			
9/15/2020									
9/16/2020	1.2								
9/17/2020		0.77 (J)	1.9	2.9	2.5				
9/21/2020							1.3	1	0.71 (J)
9/22/2020						7			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-14Z	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	3.55					
4/5/2016		0.9439	2.08	1.93		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	3.55	1	1.51		1.33	
6/1/2016				1.93		
7/29/2016						
8/1/2016						
8/2/2016					1.5	
8/3/2016						
8/4/2016	4.4		1.7			
8/5/2016						
8/9/2016				2.4		
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					1.4	
9/28/2016						
9/29/2016	4		1.5			
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					1.5	
11/22/2016						
11/23/2016		1.7	1.9			
11/28/2016	4			3		
1/30/2017						
1/31/2017						
2/1/2017					1.5	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	7.5			3		
2/10/2017		1.6	1.5			
2/13/2017						
2/22/2017						3.7
3/30/2017						

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-14Z	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					1.2	
4/7/2017						2.5
4/10/2017						
4/11/2017		1.5		4.5		
4/12/2017	5.3		1.7			
6/9/2017						
6/12/2017						
6/13/2017					0.98	
6/14/2017				3		2.6
6/15/2017		1	1.4			
6/16/2017	5.4					
7/12/2017		1.8		3.9		2.8
7/14/2017					1.1	
7/20/2017						2.3
7/26/2017		1.2				
7/28/2017						2
8/9/2017						1.8
8/10/2017						
8/24/2017						2.9
10/2/2017						
10/3/2017					1	2.8
10/4/2017						
10/5/2017				2.7		
10/6/2017		1.7	1.6			
10/9/2017	6.2					
3/16/2018						
3/19/2018						
3/20/2018					1.5	
3/21/2018	4.6					2.9
3/22/2018				3.4		
3/23/2018		<1	1.5			
9/14/2018						
9/17/2018						
9/18/2018					1.3	3.1
9/19/2018	5.1	1.1	1.7	2.8		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					<1	3.6
3/22/2019		1.2		3.7		
3/23/2019	3.5					
3/25/2019			1.9			
3/27/2019						
5/6/2019						
9/12/2019						2.1
9/13/2019					1	
9/16/2019						
9/17/2019		0.78 (X)	2	3.8		
9/18/2019	4					
3/11/2020						
3/12/2020					0.72 (J)	2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-14Z	GWC-7Z	GWA-4RZ (bg)
3/13/2020	3.3	0.7 (J)	1.6	4.2		
3/16/2020						
3/17/2020						
9/15/2020						
9/16/2020					0.79 (J)	
9/17/2020						2.4
9/21/2020		0.64 (J)	1.6	3.5		
9/22/2020	3.5					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-2 (bg)	GWA-3 (bg)	GWA-2R (bg)	GWC-5	GWA-50R (bg)	GWA-50 (bg)	GWC-6
3/22/2016	0.0614 (J)	0.00323 (J)							
3/23/2016			0.0477 (J)	<0.3	0.0826 (J)				
3/28/2016						0.00421 (J)	0.0326 (J)	0.0314 (J)	
3/29/2016									0.0376 (J)
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	0.064 (J)				0.0409 (J)				
5/20/2016			0.033 (J)						
5/23/2016				<0.3				0.027 (J)	
5/24/2016									0.023 (J)
5/25/2016		0.0345 (J)				0.0207 (J)	0.0285 (J)		
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	0.11 (J)		0.16 (J)	<0.3	0.07 (J)				
8/1/2016						<0.3	<0.3	<0.3	<0.3
8/2/2016		0.08 (J)							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016				<0.3	<0.3				
9/23/2016	0.03 (J)		0.1 (J)						
9/26/2016		0.07 (J)					<0.3	<0.3	<0.3
9/27/2016						<0.3			
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	0.1 (J)		0.04 (J)						
11/10/2016				<0.3	0.03 (J)			0.04 (J)	
11/11/2016						0.04 (J)	<0.3		
11/14/2016									
11/18/2016									0.02 (J)
11/21/2016		0.07 (J)							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	<0.3						<0.3	<0.3	
1/31/2017			<0.3	<0.3	<0.3	<0.3			
2/1/2017									<0.3
2/3/2017		<0.3							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	0.01 (J)		0.02 (J)	<0.3					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10R	GWC-10	GWC-13RZ	GWC-11R	GWC-11	GWC-12
4/3/2017									
4/6/2017	<0.3	<0.3	<0.3						
4/7/2017									
4/10/2017				<0.3	<0.3		<0.3	<0.3	
4/11/2017						0.16 (J)			<0.3
4/12/2017									
6/9/2017									
6/12/2017									
6/13/2017	0.05 (J)		<0.3						
6/14/2017		<0.3		<0.3	0.02 (J)				0.01 (J)
6/15/2017							<0.3	0.03 (J)	
6/16/2017						0.2 (J)			
7/12/2017						0.2 (J)			
7/14/2017									
7/20/2017									
7/26/2017									
7/28/2017						0.18 (J)			
8/9/2017									
8/10/2017						<0.3			
8/24/2017									
10/2/2017									
10/3/2017	<0.3		<0.3						
10/4/2017		<0.3		<0.3	<0.3		<0.3	<0.3	<0.3
10/5/2017									
10/6/2017						0.14 (J)			
10/9/2017									
3/16/2018									
3/19/2018									
3/20/2018	<0.3		<0.3		<0.3				
3/21/2018		<0.3		<0.3				<0.3	
3/22/2018							<0.3		<0.3
3/23/2018						0.24 (J)			
9/14/2018									
9/17/2018	<0.3								
9/18/2018		<0.3	<0.3 (D)	<0.3	<0.3		<0.3	<0.3	<0.3
9/19/2018									
9/20/2018						<0.3			
3/19/2019									
3/20/2019									
3/21/2019	<0.3		<0.3						
3/22/2019				<0.3	0.045 (J)	0.12 (J)			
3/23/2019							<0.3	<0.3	<0.3
3/25/2019									
3/27/2019		<0.3							
5/6/2019									
9/12/2019									
9/13/2019									
9/16/2019	<0.3	<0.3 (D)	<0.3						
9/17/2019				<0.3	<0.3		<0.3	<0.3	<0.3 (D)
9/18/2019						0.17 (X)			
3/11/2020									
3/12/2020	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6RZ	GWC-8RR	GWC-9	GWC-10R	GWC-10	GWC-13RZ	GWC-11R	GWC-11	GWC-12
3/13/2020									
3/16/2020									
3/17/2020						0.11 (J)			
9/15/2020									
9/16/2020	<0.3								
9/17/2020		<0.3	<0.3	<0.3	<0.3				
9/21/2020							<0.3	<0.3	<0.3
9/22/2020						0.1 (J)			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-7Z	GWC-14Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	0.026 (J)					
4/5/2016		0.011 (J)	0.00288 (J)		1.78243 (J,o)	
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	0.0234 (J)	0.0669 (J)	0.0233 (J)	0.043 (J)		
6/1/2016					0.0148 (J)	
7/29/2016						
8/1/2016						
8/2/2016				<0.3		
8/3/2016						
8/4/2016	0.09 (J)		<0.3			
8/5/2016						
8/9/2016					0.04 (J)	
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016				<0.3		
9/28/2016						
9/29/2016	<0.3		<0.3			
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016				0.22 (J)		
11/22/2016						
11/23/2016		0.03 (J)	0.04 (J)			
11/28/2016	0.08 (J)				0.07 (J)	
1/30/2017						
1/31/2017						
2/1/2017				<0.3		
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	0.24 (J)				0.08 (J)	
2/10/2017		<0.3	<0.3			
2/13/2017						
2/22/2017						0.3
3/30/2017						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-7Z	GWC-14Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017				0.008 (J)		
4/7/2017						0.19 (J)
4/10/2017						
4/11/2017		<0.3			<0.3	
4/12/2017	<0.3		<0.3			
6/9/2017						
6/12/2017						
6/13/2017				0.03 (J)		
6/14/2017					0.01 (J)	0.19 (J)
6/15/2017		0.02 (J)	0.06 (J)			
6/16/2017	0.04 (J)					
7/12/2017		0.04 (J)			0.05 (J)	0.18 (J)
7/14/2017				0.05 (J)		
7/20/2017						0.17 (J)
7/26/2017		0.03 (J)				
7/28/2017						0.13 (J)
8/9/2017						<0.3
8/10/2017						
8/24/2017						0.16 (J)
10/2/2017						
10/3/2017				0.06 (J)		0.17 (J)
10/4/2017						
10/5/2017					<0.3	
10/6/2017		<0.3	<0.3			
10/9/2017	<0.3					
3/16/2018						
3/19/2018						
3/20/2018				<0.3		
3/21/2018	<0.3					0.24 (J)
3/22/2018					<0.3	
3/23/2018		<0.3	<0.3			
9/14/2018						
9/17/2018						
9/18/2018				<0.3		<0.3
9/19/2018	<0.3	<0.3	<0.3		<0.3	
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019				<0.3		0.19 (J)
3/22/2019		<0.3			<0.3	
3/23/2019	<0.3					
3/25/2019			<0.3			
3/27/2019						
5/6/2019						
9/12/2019						0.1 (J)
9/13/2019				<0.3		
9/16/2019						
9/17/2019		<0.3	<0.3		<0.3	
9/18/2019	<0.3					
3/11/2020						
3/12/2020				<0.3		0.18 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-15R	GWC-7Z	GWC-14Z	GWA-4RZ (bg)
3/13/2020	<0.3	<0.3	<0.3		<0.3	
3/16/2020						
3/17/2020						
9/15/2020						
9/16/2020				<0.3		
9/17/2020						0.12 (J)
9/21/2020		<0.3	<0.3		<0.3	
9/22/2020	<0.3					

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWA-1 (bg)	GWC-8Z	GWA-2R (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6RZ
3/22/2016	7.65	7.53 (D)							
3/23/2016			7.45	6.7	5.96				
3/28/2016						6.22	6.45 (D)	7.04	
3/29/2016									7.24
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/19/2016	7.6		7.5						
5/20/2016				6.36					
5/23/2016					5.73	5.86			
5/24/2016									7.1
5/25/2016		8.04					6.96	6.39	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/29/2016	7.58		7.59	6.75	5.51				
8/1/2016						6.39	5.64	6.13	7.07
8/2/2016		7.74							
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/22/2016			7.44		5.45				
9/23/2016	7.57			6.62					
9/26/2016		7.4				5.74	6.26		7.15
9/27/2016								5.98	
9/28/2016									
9/29/2016									
9/30/2016									
11/9/2016	7.45			6.42					
11/10/2016			7.55		5.51	5.78			
11/11/2016							5.62	6.11	
11/14/2016									7.15
11/18/2016									
11/21/2016		7.4							
11/22/2016									
11/23/2016									
11/28/2016									
1/30/2017	7.64					5.88	5.49		
1/31/2017			7.56	5.66	5.42			6.08	
2/1/2017									7.09
2/3/2017		7.05							
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/22/2017									
3/30/2017	7.51			6.33	5.43				

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-6	GWC-9	GWC-8RR	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13RZ
4/3/2017									
4/6/2017	7.49	4.92	7.86						
4/7/2017									
4/10/2017				6.72	7.51	7.13	7.95		
4/11/2017								6.37	6.37
4/12/2017									
6/9/2017									
6/12/2017									
6/13/2017	7.38	5.03							
6/14/2017			7.66	6.83	7.34			5.85	
6/15/2017						7.1	7.79		
6/16/2017									7.33
7/12/2017									7.46
7/14/2017									
7/20/2017									
7/26/2017									
7/27/2017									7.37
7/28/2017									7.37
8/9/2017									7.38
8/10/2017									7.38
8/24/2017									
10/2/2017									
10/3/2017	7.39	6.01							
10/4/2017			7.84	7.38	7.54	6.25	7.74	6.27	
10/5/2017									
10/6/2017									6.55
10/9/2017									
12/28/2017									7.43 (Y)
1/9/2018			7.86 (Y)						
3/16/2018									
3/19/2018	7.32								
3/20/2018		4.88		6.23					
3/21/2018			7.9		7.33	7.07			
3/22/2018							7.72	6.45	
3/23/2018									7.58
9/14/2018									
9/17/2018	7.57								
9/18/2018		5.36 (D)	7.92	7.14	7.66	6.9	7.88	6.42	
9/19/2018									
9/20/2018									7.43
3/19/2019									
3/20/2019									
3/21/2019	7.21	5.33							
3/22/2019				6.23	7.34				7.49
3/23/2019						6.27	7.56	6.34	
3/25/2019									
3/27/2019			8.07						
5/6/2019									
9/12/2019									
9/13/2019									
9/16/2019	7.35	6.03	7.9 (D)						
9/17/2019				7.16	7.51	6.55	7.58	6.19 (D)	

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
3/22/2016						
3/23/2016						
3/28/2016						
3/29/2016						
3/30/2016						
3/31/2016						
4/4/2016	7.44 (D)					
4/5/2016		9.23	10.61	7.71		
5/19/2016						
5/20/2016						
5/23/2016						
5/24/2016						
5/25/2016						
5/26/2016						
5/27/2016						
5/31/2016	7.37	9.52		7.66	7.98	
6/1/2016			10.32			
7/29/2016						
8/1/2016						
8/2/2016					7.64	
8/3/2016						
8/4/2016	7.32			7.8		
8/5/2016						
8/9/2016			8.23			
9/22/2016						
9/23/2016						
9/26/2016						
9/27/2016					7.18	
9/28/2016						
9/29/2016	7.38			7.46		
9/30/2016						
11/9/2016						
11/10/2016						
11/11/2016						
11/14/2016						
11/18/2016						
11/21/2016					7.49	
11/22/2016						
11/23/2016		7.88		7.62		
11/28/2016	7.43		7.29			
1/30/2017						
1/31/2017						
2/1/2017					7.2	
2/3/2017						
2/6/2017						
2/7/2017						
2/8/2017						
2/9/2017	7.36		6.91			
2/10/2017		7.72		7.51		
2/13/2017						
2/22/2017						7.38
3/30/2017						

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
4/3/2017						
4/6/2017					7.42	
4/7/2017						7.35
4/10/2017						
4/11/2017		7.83	6.68			
4/12/2017	7.46			7.54		
6/9/2017						
6/12/2017						
6/13/2017					7.25	
6/14/2017			6.84			7.3
6/15/2017		7.86		7.71		
6/16/2017	7.36					
7/12/2017		7.73	6.54			7.39
7/14/2017					7.5	
7/20/2017						7.44
7/26/2017		7.71				
7/27/2017						
7/28/2017						7.5
8/9/2017						7.52
8/10/2017						
8/24/2017						7.5
10/2/2017						
10/3/2017					7.5	7.51
10/4/2017						
10/5/2017			6.93			
10/6/2017		7.74		7.58		
10/9/2017	7.38					
12/28/2017						7.32 (Y)
1/9/2018						
3/16/2018						
3/19/2018						
3/20/2018					6.76	
3/21/2018	7.33					7.3
3/22/2018			6.93			
3/23/2018		7.89		7.34		
9/14/2018						
9/17/2018						
9/18/2018					7.26	7.26
9/19/2018	7.31	7.77	6.88	7.66		
9/20/2018						
3/19/2019						
3/20/2019						
3/21/2019					7.3	7.28
3/22/2019		7.55	6.27			
3/23/2019	7.27					
3/25/2019				7.64		
3/27/2019						
5/6/2019						
9/12/2019						7.2
9/13/2019					6.8	
9/16/2019						
9/17/2019		7.76	6.04	7.35		

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/3/2020 3:35 PM View: App III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

	GWC-13	GWC-15Z	GWC-14Z	GWC-15R	GWC-7Z	GWA-4RZ (bg)
9/18/2019	7.28					
3/11/2020						
3/12/2020					7.53	7.55
3/13/2020	7.25	7.68	6.16	7.56		
3/16/2020						
3/17/2020						
9/15/2020						
9/16/2020					7.56	
9/17/2020						7.42
9/21/2020		7.65	6.06	7.48		
9/22/2020	7.34					

FIGURE J.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:43 PM

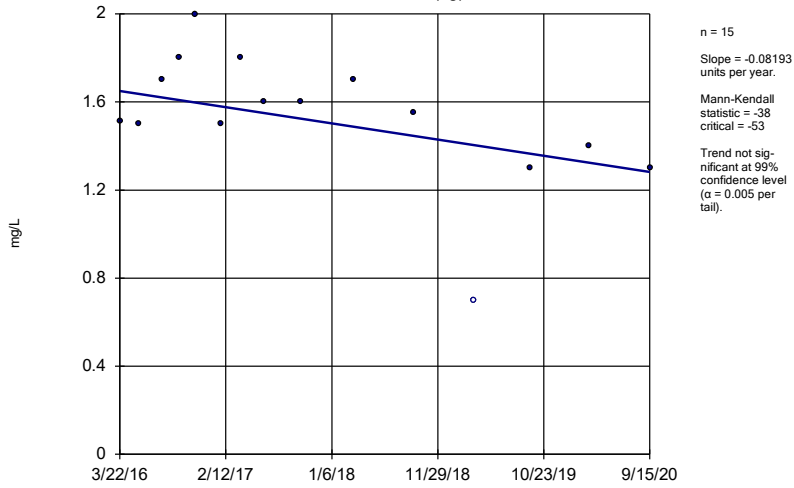
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
pH (pH units)	GWA-3 (bg)	-0.1413	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-11R	-0.08652	-54	-53	Yes	15	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR Printed 11/3/2020, 4:43 PM

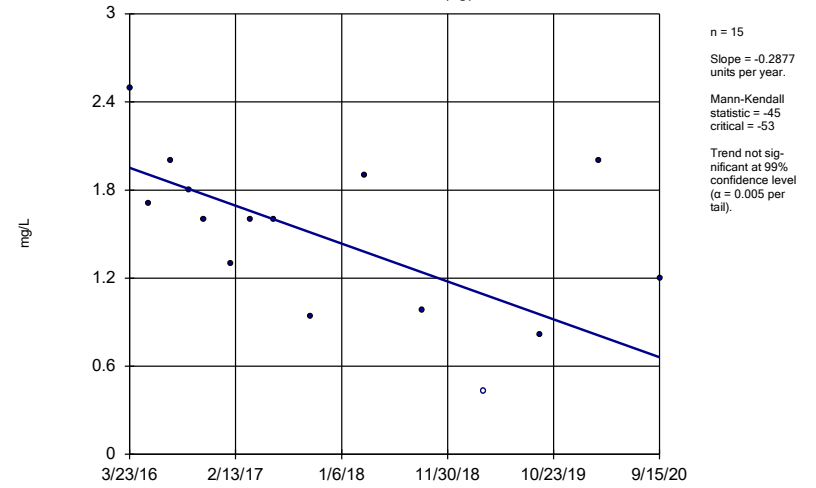
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-1 (bg)	-0.08193	-38	-53	No	15	6.667	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.2877	-45	-53	No	15	6.667	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2R (bg)	-0.0308	-9	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-3 (bg)	-0.03156	-34	-48	No	14	7.143	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4RZ (bg)	0	-2	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-50 (bg)	-0.05571	-36	-53	No	15	6.667	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-50R (bg)	-0.05637	-44	-53	No	15	13.33	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-13RZ	0.7498	33	53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-1 (bg)	-0.03517	-43	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-2 (bg)	-0.0895	-37	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-2R (bg)	-0.07068	-43	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-3 (bg)	-0.1413	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-4RZ (bg)	-0.02273	-8	-58	No	16	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-50 (bg)	-0.08295	-44	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-50R (bg)	-0.2159	-49	-53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-10R	0.03227	20	53	No	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-11R	-0.08652	-54	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-8RR	-0.02605	-24	-58	No	16	0	n/a	n/a	0.01	NP

Sen's Slope Estimator
GWA-1 (bg)



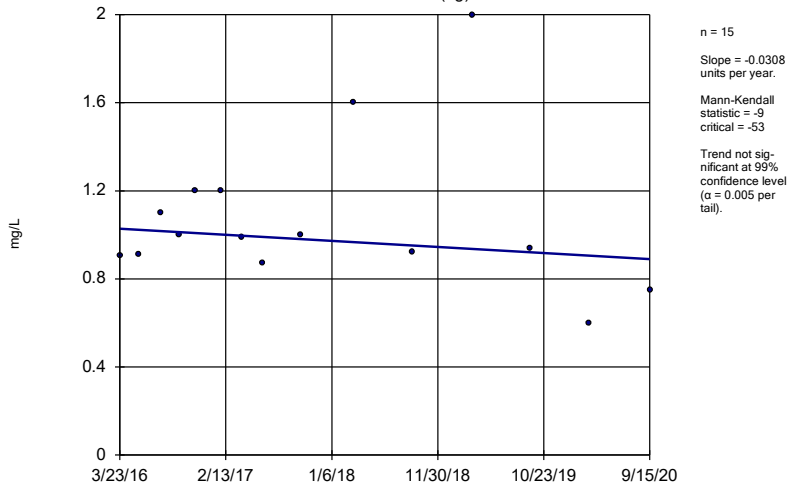
Constituent: Chloride Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2 (bg)



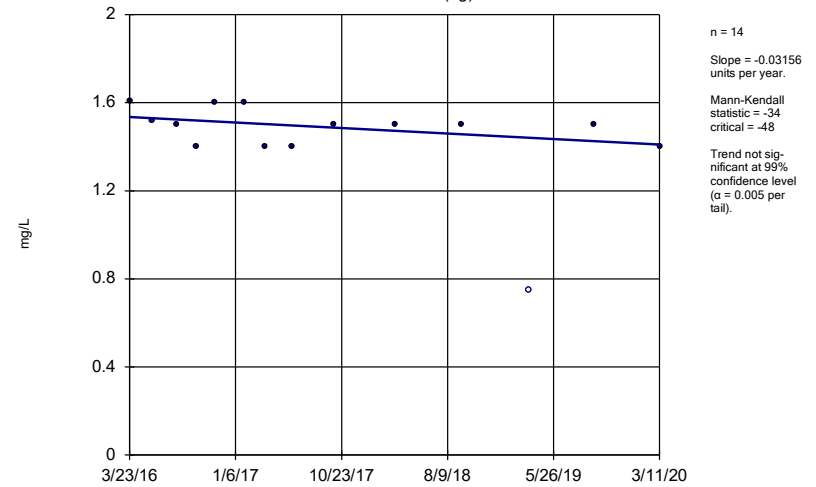
Constituent: Chloride Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2R (bg)



Constituent: Chloride Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

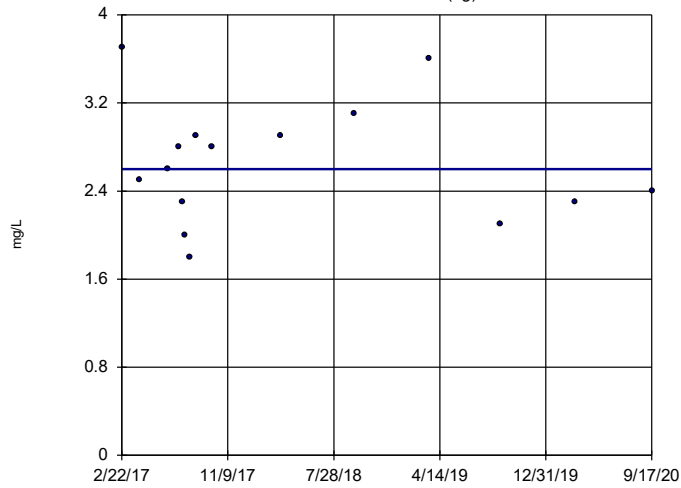
Sen's Slope Estimator
GWA-3 (bg)



Constituent: Chloride Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-4RZ (bg)



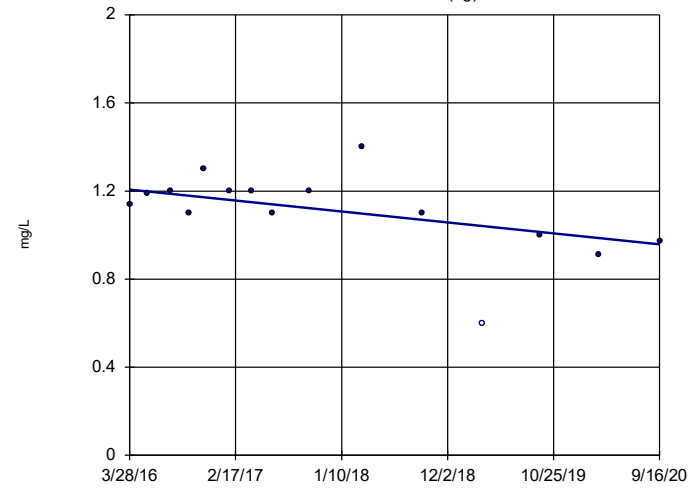
n = 15
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = -2
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-50 (bg)

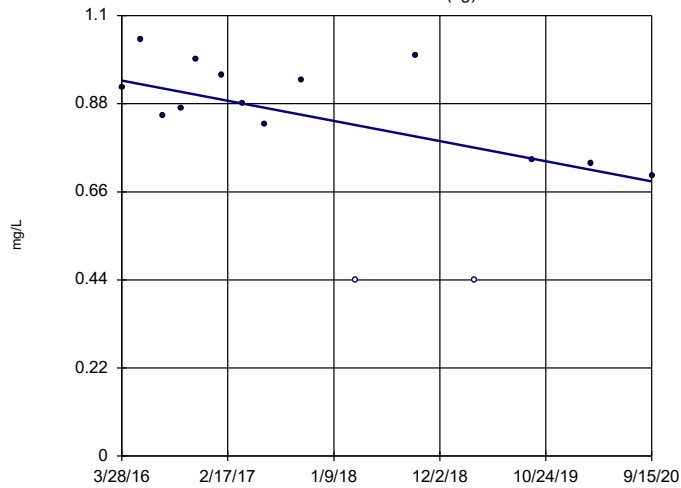


n = 15
 Slope = -0.05571
 units per year.
 Mann-Kendall
 statistic = -36
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-50R (bg)

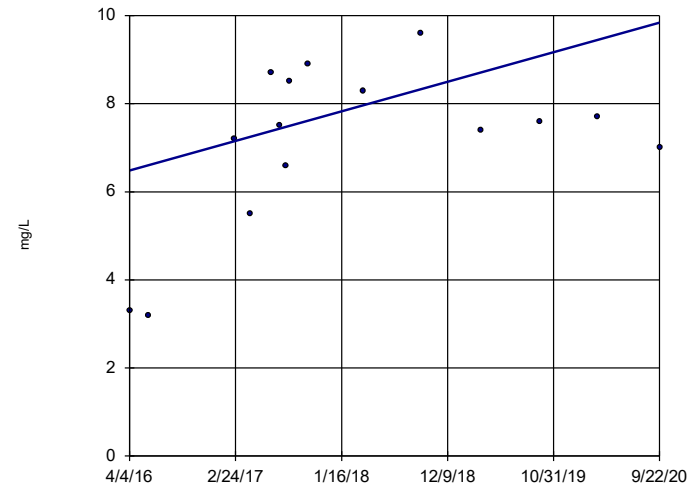


n = 15
 Slope = -0.05637
 units per year.
 Mann-Kendall
 statistic = -44
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

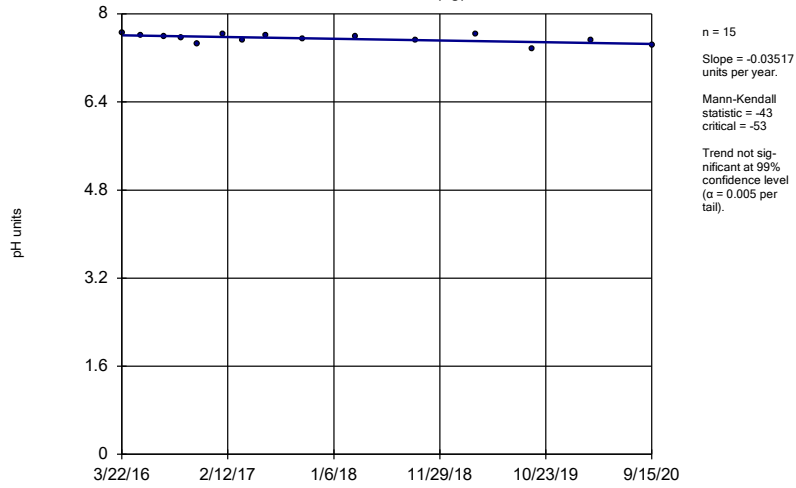
GWC-13RZ



n = 15
 Slope = 0.7498
 units per year.
 Mann-Kendall
 statistic = 33
 critical = 53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

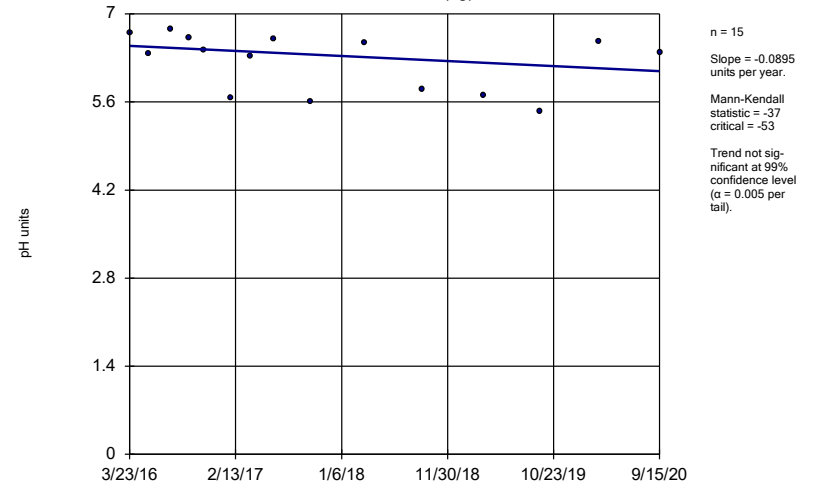
Constituent: Chloride Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-1 (bg)



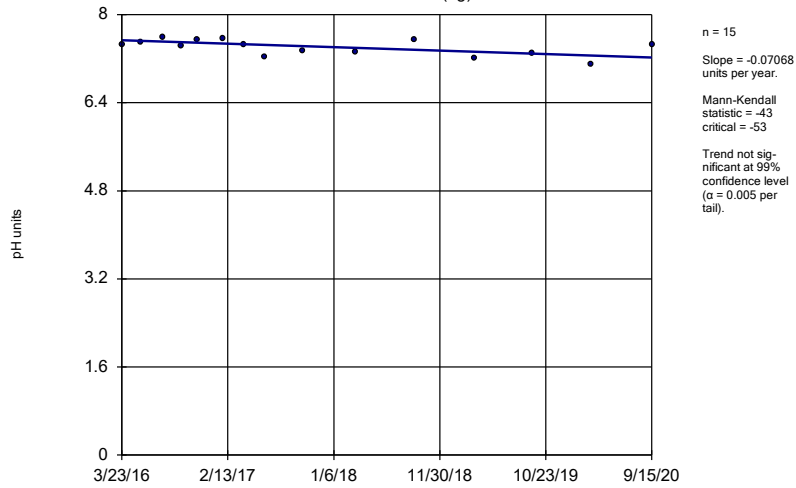
Constituent: pH Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2 (bg)



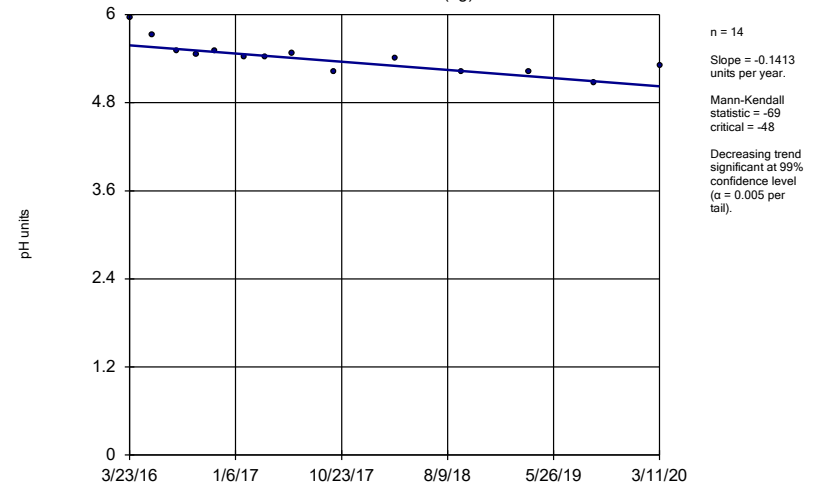
Constituent: pH Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator
GWA-2R (bg)



Constituent: pH Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

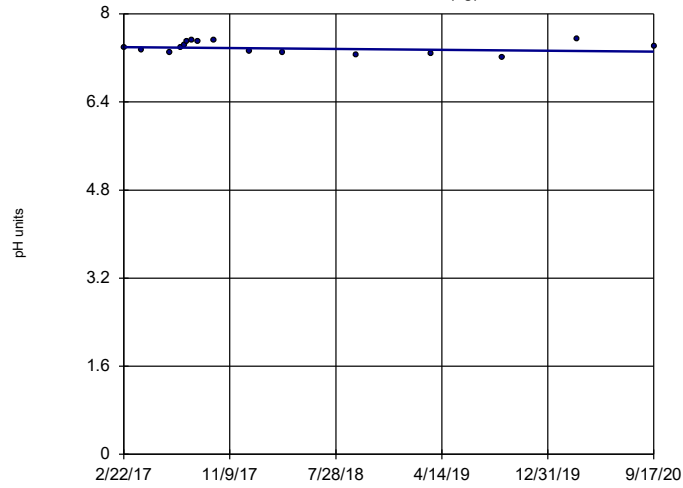
Sen's Slope Estimator
GWA-3 (bg)



Constituent: pH Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-4RZ (bg)

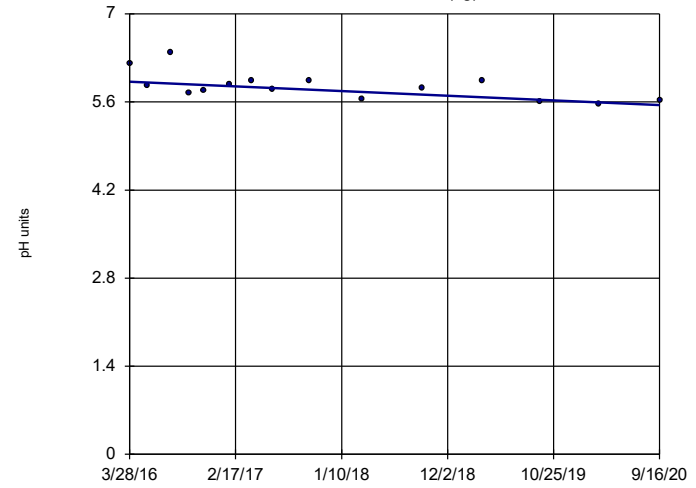


n = 16
 Slope = -0.02273 units per year.
 Mann-Kendall statistic = -8
 critical = -58
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 11/3/2020 4:41 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-50 (bg)

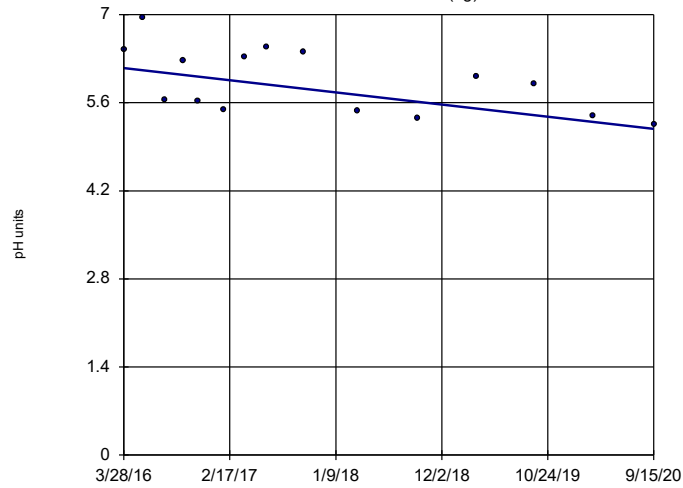


n = 15
 Slope = -0.08295 units per year.
 Mann-Kendall statistic = -44
 critical = -53
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 11/3/2020 4:42 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWA-50R (bg)

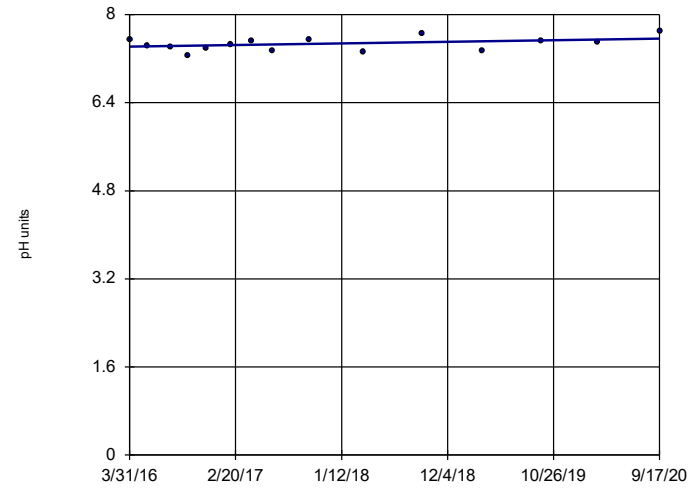


n = 15
 Slope = -0.2159 units per year.
 Mann-Kendall statistic = -49
 critical = -53
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 11/3/2020 4:42 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWC-10R

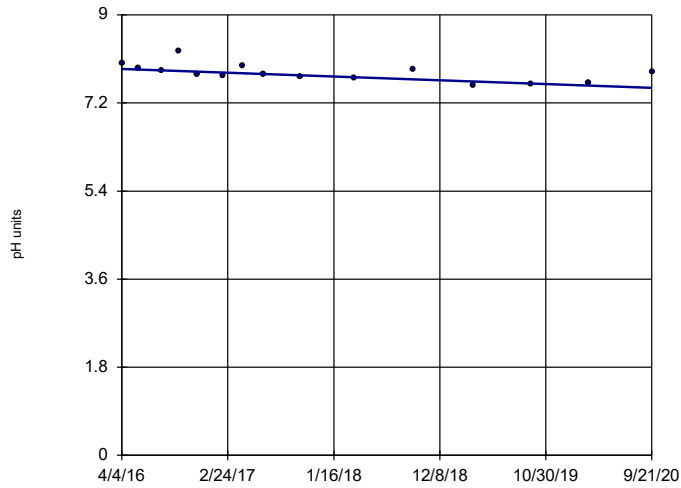


n = 15
 Slope = 0.03227 units per year.
 Mann-Kendall statistic = 20
 critical = 53
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 11/3/2020 4:42 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

GWC-11R

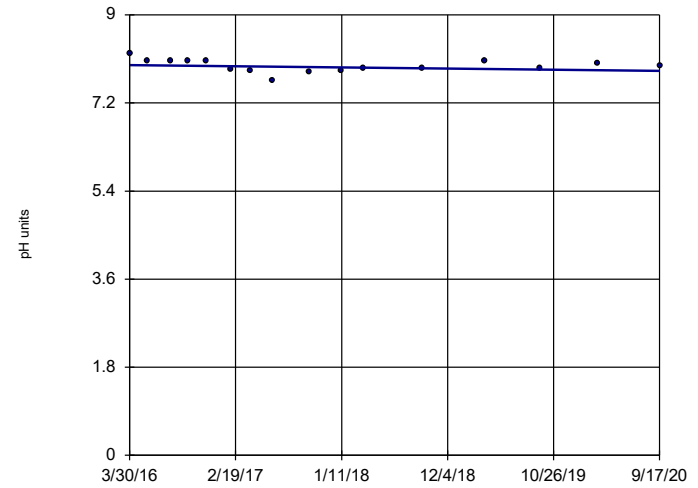


n = 15
 Slope = -0.08652
 units per year.
 Mann-Kendall
 statistic = -54
 critical = -53
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/3/2020 4:42 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

Sen's Slope Estimator

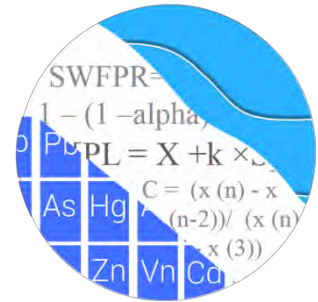
GWC-8RR



n = 16
 Slope = -0.02605
 units per year.
 Mann-Kendall
 statistic = -24
 critical = -58
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/3/2020 4:42 PM View: App III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1&2 CCR

GROUNDWATER STATS CONSULTING



January 26, 2021

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 3 & 4
September 2020 Event – Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the September 2020 sample event for Georgia Power Company's Plant Bowen Landfill Cells 3 & 4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Downgradient:** GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R
- **Upgradient:** GWA-36, GWA-36R, GWA-37, GWA-38, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, GWA-56

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The constituents listed below are evaluated in this report. The terms "parameters" and "constituents" are interchangeable.

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% nondetects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

For the cases listed below, the most recent reporting limit is lower than historical reporting limits and is, therefore, substituted for nondetects in the record:

- TDS in well GWA-37 – reporting limit decreased from <34 mg/L to <10 mg/L;
- Cadmium in wells GWA-37, GWA-38, GWA-18, GWC-21R, GWC-22R, GWC-25R - reporting limit decreased from <0.01 mg/L to <0.0025 mg/L;
- Cobalt in wells GWA-36, GWA-37, GWA-54, GWA-55, GWC-36R, GWC-51R, GWC-18R, GWC-25R - reporting limit decreased from <0.01 mg/L to <0.005 mg/L

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended.

Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 16
- # Downgradient wells: 11

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (chloride, pH, sulfate, and TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, fluoride)
- # Constituents: 7
- # Downgradient wells: 11

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.

- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls

within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Background Screening Summary Georgia EPD Constituents – Conducted in August 2019

Outliers & Trend Testing

Time series plots are used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers for all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. As a general rule, when the most recent values are identified as outliers, values are not flagged in the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values

(i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Due to changing reporting limits for many constituents, when the nondetects are replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) may require flagging as outliers if they are much higher than current reporting limits.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported nondetects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data. An outlier summary, including both CCR Appendix III and Georgia EPD parameters, follows this letter.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

Several statistically significant decreasing trends were noted but adjustments were required only for barium in well GWA-53, copper in well GWA-37, and nickel in well GWC-16R because the magnitudes of the trends in other constituents were not large relative to the average concentrations at their respective wells. However, the decreasing trend for zinc at GWC-16R may require adjustment in the future, if it persists, in order to obtain a more conservative prediction limit. Statistically significant increasing trends were also noted but adjustments to eliminate the trends were made only for barium and zinc in well GWA-36 because the magnitudes of trends in the other wells are low relative to the average concentrations. Truncation of earlier data is based on an assumption that the increasing trend is not the result of the facility. This assumption is discussed later along with the use of intrawell methods. A summary of the background data ranges used for these well/constituent pairs follows this letter.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistically significant differences among upgradient well data for several of the constituents, suggesting intrawell methods would be the most appropriate statistical method for these constituents. For constituents where variation is not identified, interwell analyses would typically be recommended. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level concentrations, and no records required any adjustments due to statistically significant increasing trends in downgradient well data, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Background Update CCR Appendix III Constituents – Conducted in March 2020

Prior to updating background data, all data were evaluated for the purpose of updating background data sets. The reports were submitted at that time, and a summary is presented in this report.

Tukey's outlier test and visual screening were used to evaluate data through September 2019. Tukey's test was used for all wells for the intrawell parameters and for only the upgradient wells for the interwell parameters. Although Tukey's test noted several potential outliers, only three values (for fluoride, sulfate, and TDS) were flagged as the rest appeared to be representative of natural variation in groundwater quality. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. The Appendix III outliers are included in the outlier summary following this letter.

For constituents requiring intrawell prediction limits (chloride, pH, sulfate, and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the following well/constituent pairs: chloride in upgradient well GWA-54; pH in upgradient well GWA-52 and downgradient well GWC-22R; sulfate in upgradient wells GWA-36 and GWA-54; and TDS in upgradient well GWA-55.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. The following cases with statistically significant Mann-Whitney results were updated because the newer data had a lower median, or the newer data were similar in concentration to portions of the historical data: chloride in upgradient well GWA-54; pH in upgradient well GWA-52 and downgradient well GWC-22R; and sulfate in upgradient wells GWA-36 and GWA-54.

Although TDS in well GWC-55 showed an increase in the median concentration, the overall temporal pattern and range of concentrations for TDS over the period is similar to that in other background wells. Additionally, a similar increase occurred in an upgradient well, thus indicating natural variation independent of the site. This well/constituent pair was, therefore, updated with newer data.

Evaluation of Georgia EPD Constituents – September 2020

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data

population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data, except for the cases mentioned above, within each well with detections through September 2018 (Figure D). The September 2020 data from each well were compared to these intrawell background limits. As discussed earlier, the most recent reporting limit is substituted on a well-by-well basis for computing prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well. The time series, however, substitutes the most recent reporting limit for all wells, using the same limit across all wells. Note that the reporting limit for zinc increased to 0.02 mg/L during this analysis from the historical reporting limit of 0.01 mg/L for some wells. As a result, slight changes were noted in the intrawell prediction limits from the previous sample event. No statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. No statistical exceedances were noted in any of the wells. A summary of the Georgia EPD prediction limits follows this report.

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the

site which is an indication of natural variability in groundwater unrelated to practices at the site. No trend testing was required during this report for the state parameters.

Evaluation of Appendix III Parameters – September 2020

For chloride, pH, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (Figure E). The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. An exceedance was noted for sulfate in wells GWC-21R and GWC-23R, and for total dissolved solids in well GWC-23R. An interwell prediction limit was then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances (Figure F). No statistical exceedances were noted for sulfate. Total dissolved solids in well GWC-23R exceeded the interwell prediction limit of 410 mg/L with a reported measurement of 501 mg/L. An exceedance is noted for TDS since the most recent measurement of TDS at this well is higher than all of the historical measurements. Because both sulfate and TDS observations have been stable since sampling began in 2016, it is possible that the current large increases in both parameters are the result of a sampling or analytical anomaly. If the increases are the result of the facility, it is likely that they will persist in future sampling events.

For boron, calcium, and fluoride, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through September 2020 (Figure G). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. Summaries of both intrawell and interwell prediction limits follow this report. The following intrawell prediction limits exceedances were noted:

- Calcium: GWC-16R, GWC-17R, GWC-21R, and GWC-23R

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure H). While several statistically significant decreasing trends were noted, statistically significant increasing trends were noted only for sulfate in downgradient well GWC-21R and for TDS in upgradient well GWA-55. Complete graphical results of the trend tests follows this letter.

Resample Reports – Appendix III Parameters – December 2020

Resamples were collected in December 2020 for pH, sulfate, and TDS in well GWC-23R. The intrawell prediction limits using background data through September 2019, which evaluate the December 2020 samples for these well/constituent pairs, are provided at the end of the report (Figure I). An exceedance was identified for sulfate in well GWC-23R.

Following the Two-Step Statistical Analysis as described above, an interwell prediction limit was constructed for the well/constituent pair that exceeded its intrawell limits using data through December 2020. No exceedance was identified and complete graphical results of the interwell prediction limit follow this report (Figure J).

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test as mentioned above (Figure K). While a few statistically significant decreasing trends were noted in upgradient wells, no statistically significant trends were identified for sulfate in well GWC-23R. Complete graphical results of the trend tests follow this letter.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill at Cells 3 & 4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew Collins
Groundwater Analyst



Kristina Rayner
Groundwater Statistician

100% Non-Detects

Analysis Run 11/1/2020 3:37 PM View: 100% Nondetects
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Antimony (mg/L)

GWA-36R, GWA-38, GWA-52, GWC-19R, GWC-22R

Arsenic (mg/L)

GWA-36

Beryllium (mg/L)

GWA-52, GWA-54, GWC-16R, GWC-17R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Boron (mg/L)

GWA-38

Cadmium (mg/L)

GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, GWA-56, GWC-16R, GWC-17R, GWC-18R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Cobalt (mg/L)

GWA-52, GWA-53, GWA-53R, GWA-56, GWC-17R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Lead (mg/L)

GWA-52, GWC-20R

Mercury (mg/L)

GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, GWA-56

Nickel (mg/L)

GWA-53R, GWC-17R, GWC-18R, GWC-20R

Selenium (mg/L)

GWA-36, GWA-36R, GWA-37, GWA-38, GWA-52, GWA-53, GWA-53R, GWA-54, GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-24R, GWC-25R

Silver (mg/L)

GWA-36, GWA-36R, GWA-37, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, GWA-56, GWC-18, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Thallium (mg/L)

GWA-37, GWA-38, GWA-53R, GWA-56, GWC-17R, GWC-18R, GWC-19R, GWC-24R, GWC-25R

Vanadium (mg/L)

GWA-36, GWC-25R

Date Ranges

Date: 11/1/2020 3:35 PM

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Barium (mg/L)

GWA-36 background:3/17/2015-9/6/2018

GWA-53 background:6/24/2015-9/11/2018

Copper (mg/L)

GWA-37 background:3/17/2015-9/6/2018

Nickel (mg/L)

GWC-16R background:3/3/2015-9/7/2018

Zinc (mg/L)

GWA-36 background:3/17/2015-9/6/2018

State Intrawell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-36	0.0032	n/a	9/3/2020	0.00094J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.0052	n/a	9/3/2020	0.0012J	No	20	n/a	n/a	45	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-51RZ	0.0033	n/a	9/9/2020	0.00035J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-53	0.003	n/a	9/8/2020	0.0017J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-53R	0.0034	n/a	9/8/2020	0.00078J	No	20	n/a	n/a	60	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-54	0.003	n/a	9/8/2020	0.003ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-55	0.003	n/a	9/4/2020	0.00065J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-55R	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-56	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-16R	0.0187	n/a	9/9/2020	0.015	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.0064	n/a	9/8/2020	0.0041	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	9/9/2020	0.00094J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	9/4/2020	0.0013J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-36R	0.005	n/a	9/14/2020	0.005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-51RZ	0.008095	n/a	9/9/2020	0.005ND	No	19	0.002535	0.002138	36.84	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Arsenic (mg/L)	GWA-52	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-53	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-53R	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-54	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-55	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-55R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-56	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	9/9/2020	0.0011J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.005	n/a	9/8/2020	0.0023J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	9/8/2020	0.0025J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-36	0.01907	n/a	9/3/2020	0.014	No	15	0.01257	0.002339	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-36R	0.03424	n/a	9/14/2020	0.03	No	20	0.02211	0.004732	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-37	0.014	n/a	9/3/2020	0.0045J	No	20	0.008485	0.002151	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-38	0.01787	n/a	9/3/2020	0.011	No	19	0.01284	0.001936	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-51RZ	0.0345	n/a	9/9/2020	0.017	No	20	0.01511	0.007558	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-52	0.04903	n/a	9/3/2020	0.017	No	20	0.02779	0.008281	5	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-53	0.02258	n/a	9/8/2020	0.012	No	15	0.01479	0.002803	6.667	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-53R	0.01632	n/a	9/8/2020	0.013	No	20	0.0144	0.0007501	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-54	0.058	n/a	9/8/2020	0.035	No	20	n/a	n/a	5	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-55	0.03737	n/a	9/4/2020	0.022	No	20	0.02333	0.005472	5	None	No	0.0002993	Param Intra 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWA-55R	0.08801	n/a	9/4/2020	0.032	No	20	0.05106	0.0144	5	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-56	0.03746	n/a	9/4/2020	0.033	No	20	0.02309	0.005602	5	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-16R	0.079	n/a	9/9/2020	0.051	No	20	0.2188	0.02428	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-17R	0.02153	n/a	9/9/2020	0.018	No	19	0.01975	0.0006818	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04779	n/a	9/9/2020	0.016	No	19	0.0302	0.006763	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18R	0.0176	n/a	9/9/2020	0.014	No	17	0.00000272	0.00000100	0.882	None	x^3	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-19R	0.01846	n/a	9/9/2020	0.014	No	19	0.01597	0.0009569	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-20R	0.03595	n/a	9/4/2020	0.033	No	20	0.02989	0.002362	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-21R	0.0377	n/a	9/8/2020	0.015	No	20	n/a	n/a	0	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-22R	0.07123	n/a	9/8/2020	0.054	No	20	0.03822	0.01287	5	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-23R	0.0421	n/a	9/9/2020	0.036	No	20	0.02645	0.006104	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-24R	0.03363	n/a	9/9/2020	0.024	No	19	0.02339	0.003934	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-25R	0.0167	n/a	9/4/2020	0.016	No	20	n/a	n/a	0	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36	0.003	n/a	9/3/2020	0.0002J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36R	0.0032	n/a	9/14/2020	0.00012J	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	9/3/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	9/3/2020	0.003ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-51RZ	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-53	0.003	n/a	9/8/2020	0.000055J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-53R	0.003	n/a	9/8/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-55	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-55R	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-56	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	9/9/2020	0.0002J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-36	0.001664	n/a	9/3/2020	0.00089J	No	20	0.0008898	0.000302	15	None	No	0.0002993	Param Intra 1 of 2
Cadmium (mg/L)	GWA-36R	0.001	n/a	9/14/2020	0.00016J	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-37	0.0025	n/a	9/3/2020	0.0025ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0025	n/a	9/3/2020	0.0025ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-51RZ	0.0025	n/a	9/9/2020	0.0025ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0025	n/a	9/9/2020	0.0025ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0025	n/a	9/8/2020	0.0025ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0025	n/a	9/8/2020	0.0025ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0025	n/a	9/4/2020	0.0025ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36	0.01	n/a	9/3/2020	0.01ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36R	0.01	n/a	9/14/2020	0.01ND	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.01	n/a	9/3/2020	0.01ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.01	n/a	9/3/2020	0.0013J	No	20	n/a	n/a	20	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-51RZ	0.02	n/a	9/9/2020	0.01ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-52	0.01	n/a	9/3/2020	0.0011J	No	20	n/a	n/a	60	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-53	0.01	n/a	9/8/2020	0.01ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-53R	0.01	n/a	9/8/2020	0.01ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-54	0.01	n/a	9/8/2020	0.0014J	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-55	0.01	n/a	9/4/2020	0.0012J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-55R	0.01	n/a	9/4/2020	0.01ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-56	0.01	n/a	9/4/2020	0.0012J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-16R	0.01	n/a	9/9/2020	0.00056J	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.01	n/a	9/9/2020	0.01ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant) Page 3

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-18	0.01201	n/a	9/9/2020	0.001J	No	18	-5.726	0.4943	11.11	None	ln(x)	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-18R	0.01	n/a	9/9/2020	0.01ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19R	0.01	n/a	9/9/2020	0.01ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.01	n/a	9/4/2020	0.00078J	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.01	n/a	9/8/2020	0.0013J	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.01ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.01	n/a	9/9/2020	0.01ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.01	n/a	9/9/2020	0.01ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.01	n/a	9/4/2020	0.00073J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36R	0.005	n/a	9/14/2020	0.005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	55	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.004336	n/a	9/3/2020	0.00091J	No	17	0.04368	0.008291	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWA-51RZ	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-54	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-55	0.00715	n/a	9/4/2020	0.0012J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-55R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-16R	0.00818	n/a	9/9/2020	0.00069J	No	20	0.0431	0.01846	15	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.00087J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	9/4/2020	0.0012J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36	0.025	n/a	9/3/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36R	0.025	n/a	9/14/2020	0.025ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.02858	n/a	9/3/2020	0.0067J	No	10	0.01155	0.005241	0	None	No	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWA-38	0.025	n/a	9/3/2020	0.025ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-51RZ	0.025	n/a	9/9/2020	0.0019J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-52	0.025	n/a	9/3/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-53	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-53R	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-54	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-55	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-55R	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-56	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	13.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-17R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-18	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.025	n/a	9/9/2020	0.0017J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36	0.005	n/a	9/3/2020	0.00012J	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36R	0.0069	n/a	9/14/2020	0.00065J	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant) Page 4

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWA-51RZ	0.005	n/a	9/9/2020	0.000089J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-53	0.005	n/a	9/8/2020	0.00012J	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-53R	0.005	n/a	9/8/2020	0.0006J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-54	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-55	0.005	n/a	9/4/2020	0.0001J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-55R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-56	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.005	n/a	9/9/2020	0.00017J	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.005	n/a	9/9/2020	0.00006J	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.005	n/a	9/9/2020	0.00025J	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.005	n/a	9/8/2020	0.000067J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.005	n/a	9/9/2020	0.0001J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.005	n/a	9/4/2020	0.00012J	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36	0.0005	n/a	9/3/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36R	0.0005	n/a	9/14/2020	0.0005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0005	n/a	9/3/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0005	n/a	9/3/2020	0.0005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-51RZ	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0005	n/a	9/4/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-21R	0.0005	n/a	9/8/2020	0.0005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0005	n/a	9/8/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0005	n/a	9/4/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36	0.0142	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36R	0.01	n/a	9/14/2020	0.01ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02948	n/a	9/3/2020	0.0096J	No	15	0.01434	0.005448	0	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWA-38	0.01429	n/a	9/3/2020	0.00089J	No	15	0.05358	0.02374	26.67	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWA-51RZ	0.01	n/a	9/9/2020	0.01ND	No	14	n/a	n/a	85.71	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-52	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-53	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-54	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-55	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-55R	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-56	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-16R	0.02928	n/a	9/9/2020	0.0067J	No	11	0.01443	0.004761	0	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	9/8/2020	0.0014J	No	14	n/a	n/a	42.86	n/a	n/a	0.008612	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.00083J	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWC-24R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-51RZ	0.01	n/a	9/9/2020	0.0059J	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Selenium (mg/L)	GWA-55	0.01	n/a	9/4/2020	0.01ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-55R	0.01	n/a	9/4/2020	0.01ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-56	0.01	n/a	9/4/2020	0.01ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.01	n/a	9/9/2020	0.0017J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36	0.001	n/a	9/3/2020	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36R	0.001	n/a	9/14/2020	0.001ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-51RZ	0.001	n/a	9/9/2020	0.001ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-52	0.001	n/a	9/3/2020	0.001ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-53	0.001	n/a	9/8/2020	0.001ND	No	20	n/a	n/a	55	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-54	0.001	n/a	9/8/2020	0.001ND	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWA-55	0.001	n/a	9/4/2020	0.001ND	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-55R	0.001	n/a	9/4/2020	0.001ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.00116	n/a	9/9/2020	0.001ND	No	20	-8.321	0.6089	20	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	9/9/2020	0.001ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	9/4/2020	0.001ND	No	20	n/a	n/a	45	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	9/8/2020	0.001ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	9/8/2020	0.00016J	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	9/9/2020	0.00016J	No	18	n/a	n/a	33.33	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWA-36R	0.01	n/a	9/14/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-51RZ	0.01862	n/a	9/9/2020	0.01ND	No	13	0.006365	0.004195	46.15	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Vanadium (mg/L)	GWA-52	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-53	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-53R	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-54	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-55	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-55R	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-56	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-36	0.6606	n/a	9/3/2020	0.35	No	10	0.3509	0.09528	0	None	No	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-36R	0.2321	n/a	9/14/2020	0.053	No	14	0.06816	0.05752	0	None	No	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-37	0.01469	n/a	9/3/2020	0.0049J	No	15	0.007437	0.002609	6.667	None	No	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-38	0.01558	n/a	9/3/2020	0.02ND	No	14	0.06544	0.02083	21.43	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant) Page 6

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWA-51RZ	0.03012	n/a	9/9/2020	0.02ND	No	13	0.01304	0.00585	30.77	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-52	0.02	n/a	9/3/2020	0.02ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-53	0.02	n/a	9/8/2020	0.02ND	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-53R	0.02	n/a	9/8/2020	0.02ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-54	0.02	n/a	9/8/2020	0.02ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-55	0.02	n/a	9/4/2020	0.02ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-55R	0.02	n/a	9/4/2020	0.02ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-56	0.02	n/a	9/4/2020	0.02ND	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.09557	n/a	9/9/2020	0.037	No	15	0.0002999	0.0002062	6.667	None	x^3	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-17R	0.0219	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	13.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.0225	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	13.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.02	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.02	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	33.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.02	n/a	9/4/2020	0.02ND	No	14	n/a	n/a	28.57	n/a	n/a	0.008612	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.006515	n/a	9/8/2020	0.0063J	No	15	-5.726	0.2492	20	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.0037J	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.02	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-24R	0.01	n/a	9/9/2020	0.0048J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.02	n/a	9/4/2020	0.02ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

Federal Intrawell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-21R	7.908	n/a	9/8/2020	9.6	Yes	13	3.733	1.614	7.692	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	26.49	n/a	9/9/2020	124	Yes	13	13.96	4.844	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	374.2	n/a	9/9/2020	501	Yes	13	294.5	30.84	0	None	No	0.0006839	Param Intra 1 of 2

Federal Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-36	2.751	n/a	9/3/2020	1.9	No	13	2.195	0.2147	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-36R	3.698	n/a	9/14/2020	2.9	No	13	3.017	0.2633	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-37	1.522	n/a	9/3/2020	0.82J	No	13	1.022	0.1933	7.692	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-38	3.142	n/a	9/3/2020	2.9	No	13	2.473	0.2586	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-51RZ	4.153	n/a	9/9/2020	2.6	No	13	3.179	0.3765	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-52	3.83	n/a	9/3/2020	1.4	No	13	2.279	0.5996	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-53	2.851	n/a	9/8/2020	2.3	No	13	2.48	0.1434	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-53R	3.327	n/a	9/8/2020	2.3	No	13	0.9493	0.09766	0	None	ln(x)	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-54	1.953	n/a	9/8/2020	0.8J	No	13	1.201	0.2909	7.692	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-55	3.939	n/a	9/4/2020	3	No	13	3.137	0.3098	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-55R	3.604	n/a	9/4/2020	2.5	No	13	2.938	0.2574	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-56	10.33	n/a	9/4/2020	4.1	No	13	6.322	1.55	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-16R	2.959	n/a	9/9/2020	1J	No	13	1.914	0.4039	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-17R	7.985	n/a	9/9/2020	4.3	No	13	6.269	0.6635	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.764	n/a	9/9/2020	2.1	No	13	2.171	0.2291	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	9/9/2020	2.3	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-19R	3.064	n/a	9/9/2020	2.4	No	13	2.447	0.2387	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-20R	2.711	n/a	9/4/2020	1.5	No	13	1.797	0.3534	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-21R	5.133	n/a	9/8/2020	4.1	No	13	4.046	0.42	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-22R	3.3	n/a	9/8/2020	2.6	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-23R	2.938	n/a	9/9/2020	2	No	13	2.051	0.3427	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-24R	3.423	n/a	9/9/2020	2.5	No	13	6.078	2.178	7.692	None	x^2	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-25R	3.206	n/a	9/4/2020	2.5	No	13	2.661	0.2106	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36	7.43	6.39	9/3/2020	6.81	No	13	6.91	0.2008	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-36R	7.61	7.078	9/14/2020	7.1	No	13	7.344	0.1029	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.403	4.874	9/3/2020	5.17	No	13	5.638	0.2954	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.226	4.732	9/3/2020	5.32	No	13	5.479	0.2887	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-51RZ	7.749	7.257	9/9/2020	7.59	No	14	7.503	0.09723	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-52	7.772	7.234	9/3/2020	7.67	No	13	7.503	0.104	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-53	7.944	7.476	9/8/2020	7.67	No	13	7.71	0.09055	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-53R	7.946	7.603	9/8/2020	7.68	No	13	7.775	0.06628	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-54	7.939	7.275	9/8/2020	7.56	No	13	7.607	0.1283	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-55	7.85	6.813	9/4/2020	7.24	No	13	7.332	0.2005	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-55R	8.134	7.032	9/4/2020	7.64	No	13	7.583	0.2129	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-56	8.435	7.551	9/4/2020	7.82	No	14	7.993	0.1746	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.505	6.817	9/9/2020	7.08	No	13	7.161	0.1329	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.311	7.071	9/9/2020	7.24	No	13	7.191	0.04645	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18	7.616	5.885	9/9/2020	6.63	No	13	6.751	0.3346	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.062	7.418	9/9/2020	7.81	No	13	7.74	0.1244	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.885	7.519	9/9/2020	7.67	No	13	7.702	0.07073	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.945	7.323	9/4/2020	7.57	No	14	7.634	0.1228	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.342	6.761	9/8/2020	7.07	No	13	7.052	0.1123	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.056	7.094	9/8/2020	7.19	No	14	7.575	0.19	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.832	6.951	9/9/2020	7.12	No	13	7.392	0.1702	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-24R	8.014	6.761	9/9/2020	7.22	No	13	7.388	0.2421	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-25R	7.874	7.241	9/4/2020	7.62	No	13	7.558	0.1224	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36	2.854	n/a	9/3/2020	0.65J	No	13	1.316	0.5945	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36R	9.874	n/a	9/14/2020	1.3	No	13	1.713	0.5527	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-37	1.16	n/a	9/3/2020	0.5ND	No	13	0.661	0.1927	7.692	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-38	2.958	n/a	9/3/2020	0.58J	No	13	1.285	0.6468	0	None	No	0.0006839	Param Intra 1 of 2

Federal Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-51RZ	32.12	n/a	9/9/2020	21.8	No	13	20.19	4.61	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-52	12.64	n/a	9/3/2020	3.5	No	13	6.378	2.42	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-53	2.285	n/a	9/8/2020	1.4	No	13	1.903	0.1477	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-53R	2.388	n/a	9/8/2020	1.4	No	13	1.939	0.1737	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-54	9.872	n/a	9/8/2020	1.8	No	13	5.531	1.678	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-55	48.37	n/a	9/4/2020	20.4	No	13	19.75	11.06	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-55R	29.73	n/a	9/4/2020	16.1	No	13	19.94	3.786	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-56	149.4	n/a	9/4/2020	54.9	No	13	84.7	25.01	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-16R	13.9	n/a	9/9/2020	2.8	No	13	7.229	2.577	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-17R	9.253	n/a	9/9/2020	5.6	No	12	1.876	0.1321	0	None	ln(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	2.59	n/a	9/9/2020	1.4	No	13	2.009	0.2247	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18R	2.805	n/a	9/9/2020	1.9	No	12	2.362	0.1675	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	9/9/2020	3.4	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.97	n/a	9/4/2020	1.1	No	13	1.943	0.7494	0	None	x^2	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	7.908	n/a	9/8/2020	9.6	Yes	13	3.733	1.614	7.692	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22R	2.79	n/a	9/8/2020	1.3	No	12	2.172	0.2339	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	26.49	n/a	9/9/2020	124	Yes	13	13.96	4.844	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-24R	16.95	n/a	9/9/2020	1.9	No	13	1.955	0.8353	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-25R	2.06	n/a	9/4/2020	1.6	No	13	1.614	0.1727	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36	155.2	n/a	9/3/2020	90	No	13	96.92	22.54	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36R	235.5	n/a	9/14/2020	156	No	13	153.8	31.56	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	81.94	n/a	9/3/2020	25	No	12	4.428	1.75	33.33	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	119.7	n/a	9/3/2020	21	No	13	6.448	1.736	38.46	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-51RZ	343.9	n/a	9/9/2020	205	No	13	216.5	49.22	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-52	179.8	n/a	9/3/2020	132	No	12	141.4	14.53	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-53	174.6	n/a	9/8/2020	138	No	13	130.5	17.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-53R	193.3	n/a	9/8/2020	124	No	12	134.6	22.2	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-54	181.6	n/a	9/8/2020	116	No	13	125.2	21.8	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-55	277	n/a	9/4/2020	226	No	13	192.6	32.62	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-55R	247.1	n/a	9/4/2020	180	No	13	176.1	27.46	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-56	498.4	n/a	9/4/2020	267	No	13	328.7	65.59	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	365	n/a	9/9/2020	297	No	13	290.5	28.8	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	384.7	n/a	9/9/2020	285	No	13	330.2	21.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	161.2	n/a	9/9/2020	88	No	13	93.77	26.05	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	191.3	n/a	9/9/2020	120	No	13	142.6	18.81	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	229.2	n/a	9/9/2020	152	No	13	168.6	23.42	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.6	n/a	9/4/2020	212	No	13	195.7	15.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	435.3	n/a	9/8/2020	297	No	13	286.9	57.36	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	199.8	n/a	9/8/2020	157	No	13	163.1	14.18	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	374.2	n/a	9/9/2020	501	Yes	13	294.5	30.84	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	9/9/2020	155	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	194.6	n/a	9/4/2020	172	No	13	23678	5490	0	None	x^2	0.0006839	Param Intra 1 of 2

Federal Interwell Prediction Limit Summary for Intrawell Exceedances

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-21R	132.5	n/a	9/8/2020	9.6	No	180	n/a	n/a	2.222	n/a	n/a	0.00006051	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-23R	132.5	n/a	9/9/2020	124	No	180	n/a	n/a	2.222	n/a	n/a	0.00006051	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	9/9/2020	501	Yes	177	n/a	n/a	5.65	n/a	n/a	0.00006289	NP Inter (normality) 1 of 2

Federal Interwell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-16R	48.7	n/a	9/9/2020	57.1	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	48.7	n/a	9/9/2020	63.2	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	48.7	n/a	9/8/2020	61.9	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	48.7	n/a	9/9/2020	57.6	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2

Federal Interwell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	9/9/2020	0.012J	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	9/4/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	9/8/2020	0.014J	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	9/8/2020	0.0084J	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	9/4/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	48.7	n/a	9/9/2020	57.1	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	48.7	n/a	9/9/2020	63.2	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18	48.7	n/a	9/9/2020	15.3	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18R	48.7	n/a	9/9/2020	28.5	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-19R	48.7	n/a	9/9/2020	30.5	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-20R	48.7	n/a	9/4/2020	40.2	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	48.7	n/a	9/8/2020	61.9	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	9/4/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	9/8/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	9/4/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Calcium (mg/L)	GWC-22R	48.7	n/a	9/8/2020	34.7	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	48.7	n/a	9/9/2020	57.6	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-24R	48.7	n/a	9/9/2020	31.5	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-25R	48.7	n/a	9/4/2020	36.6	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	9/9/2020	0.17J	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	9/8/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2

Federal Trend Test Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:30 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWA-36 (bg)	-1.898	-60	-53	Yes	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.05243	-82	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3967	-80	-53	Yes	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.109	-62	-53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.36	-95	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.589	68	53	Yes	15	6.667	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	18.49	55	53	Yes	15	0	n/a	n/a	0.01	NP

Federal Trend Test Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-36 (bg)	-1.898	-60	-53	Yes	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-36R (bg)	-0.2017	-14	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.05243	-82	-53	Yes	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-38 (bg)	-0.03886	-3	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.454	38	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-52 (bg)	0.2051	14	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53 (bg)	-0.02498	-3	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53R (bg)	0.2505	14	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-54 (bg)	-0.2876	-20	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.86	44	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.087	21	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-56 (bg)	-1.255	-19	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	2.121	43	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17R	0.6468	14	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	2.397	45	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.84	33	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3967	-80	-53	Yes	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36R (bg)	0.1003	7	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.109	-62	-53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.2932	-41	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.448	46	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	-0.1151	-3	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1008	-44	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.085	-37	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.36	-95	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	1.059	7	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.671	32	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	0.943	5	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.589	68	53	Yes	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	0	2	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	-6.293	-26	-53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36R (bg)	1.608	12	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	2	48	No	14	35.71	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	0.6913	12	53	No	15	33.33	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-51RZ (bg)	8.066	21	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	3.696	24	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53 (bg)	5.703	52	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	4.11	22	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	0.4011	4	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	18.49	55	53	Yes	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	13.01	52	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	17.26	21	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	11.05	33	53	No	15	0	n/a	n/a	0.01	NP

Federal Intrawell Prediction Limit Summary - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/26/2021, 2:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
pH (pH units)	GWC-23R	7.832	6.951	12/15/2020	7.39	No	13	7.392	0.1702	0	None	No	0.000342 Param 1 of 2
Sulfate (mg/L)	GWC-23R	26.49	n/a	12/15/2020	61.2	Yes	13	13.96	4.844	0	None	No	0.0006839 Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	374.2	n/a	12/15/2020	351	No	13	294.5	30.84	0	None	No	0.0006839 Param 1 of 2

Federal Interwell Prediction Limit For Intrawell Exceedance - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/26/2021, 2:11 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Sulfate (mg/L)	GWC-23R	132.5	n/a	12/15/2020	61.2	No	180	n/a	n/a	2.222	n/a	n/a	0.00006051 NP Inter (normality) 1 of 2

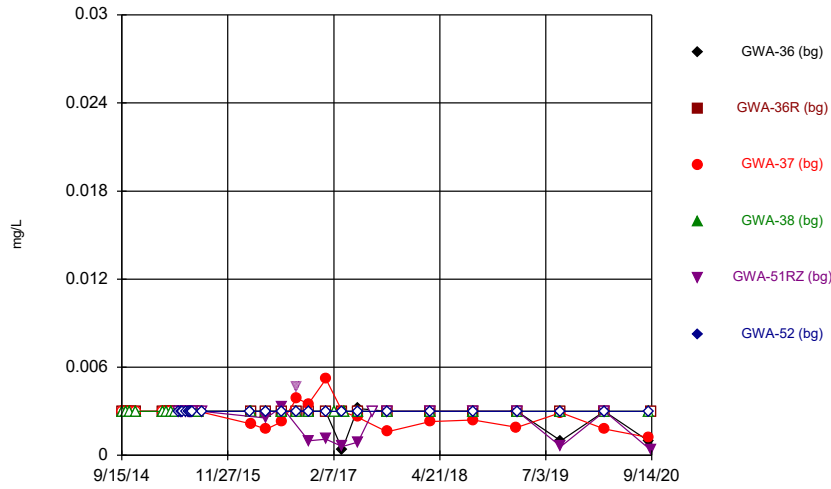
Federal Trend Test Summary - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/26/2021, 2:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	GWA-36 (bg)	-0.3967	-80	-53	Yes	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36R (bg)	0.1003	7	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.109	-62	-53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.2932	-41	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.448	46	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	-0.1151	-3	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1008	-44	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.085	-37	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.36	-95	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	1.059	7	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.671	32	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	0.943	5	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	1.179	15	58	No	16	0	n/a	n/a	0.01	NP

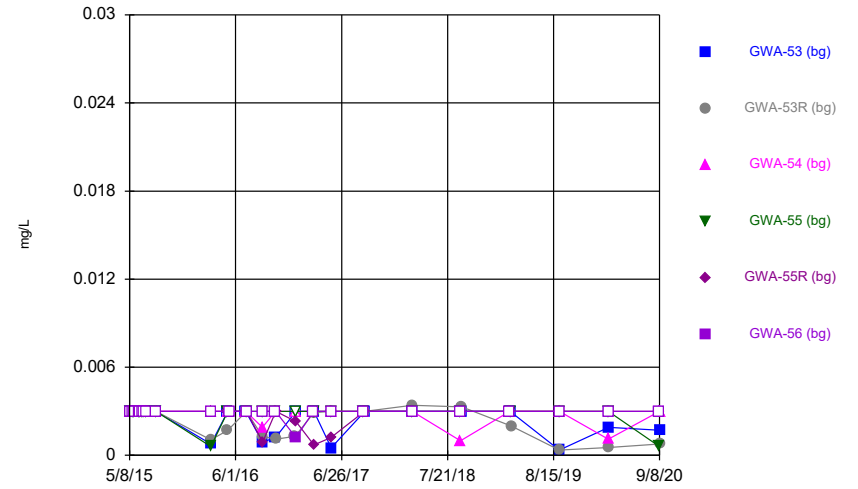
FIGURE A.

Time Series



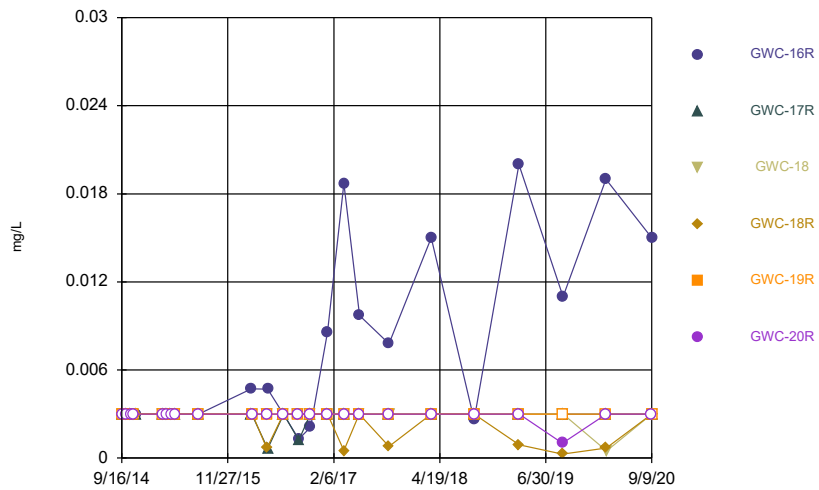
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



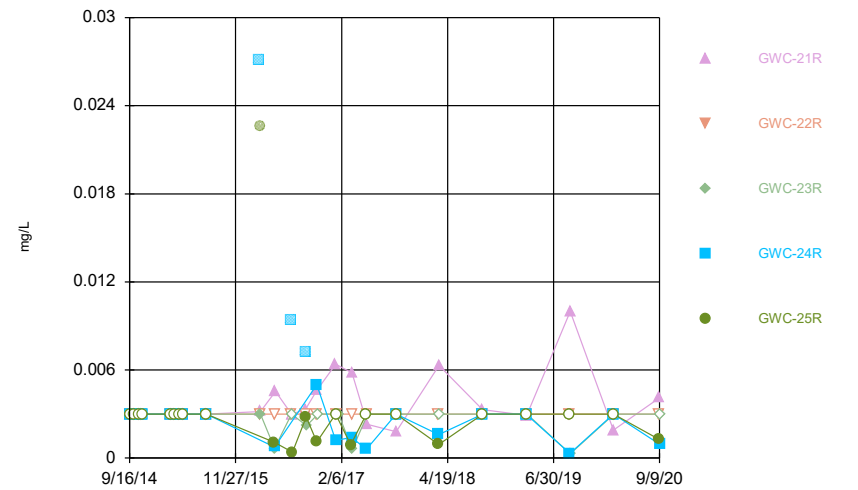
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



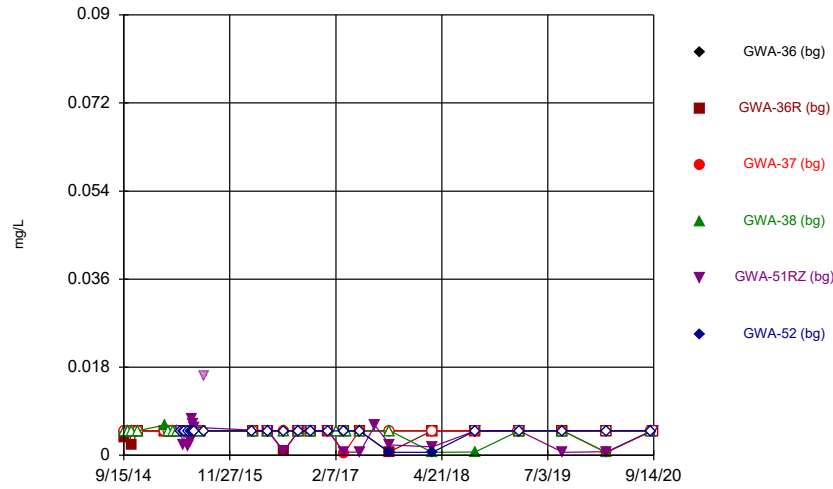
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



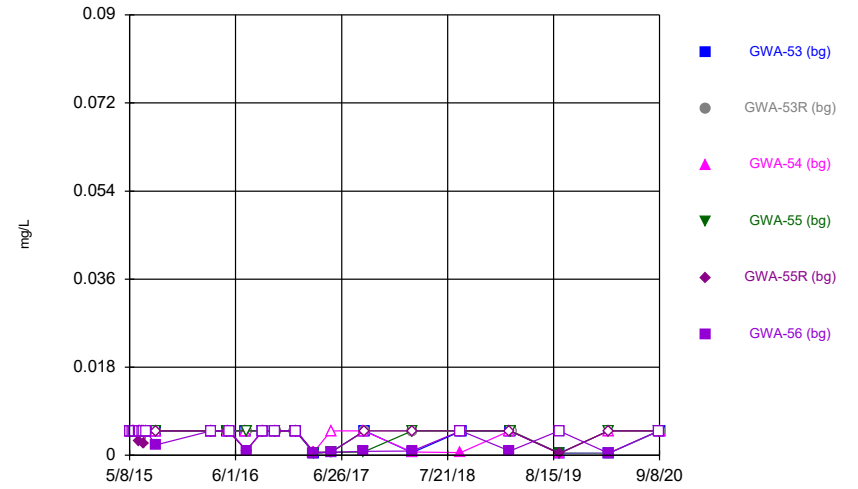
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



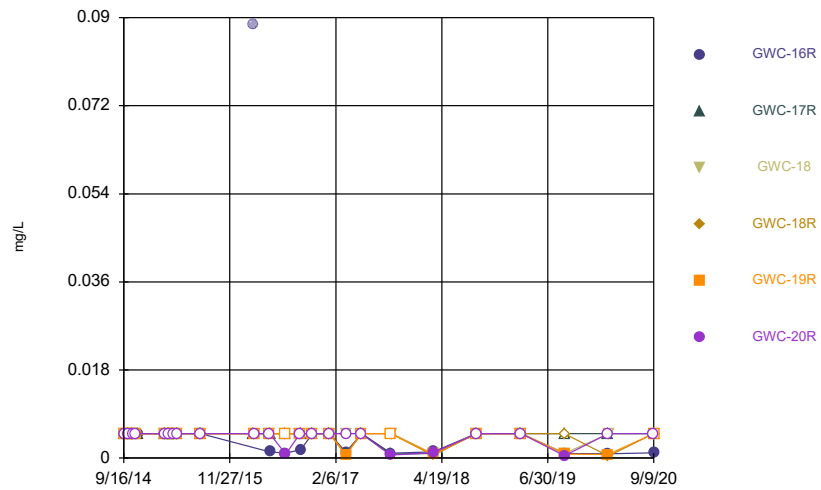
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



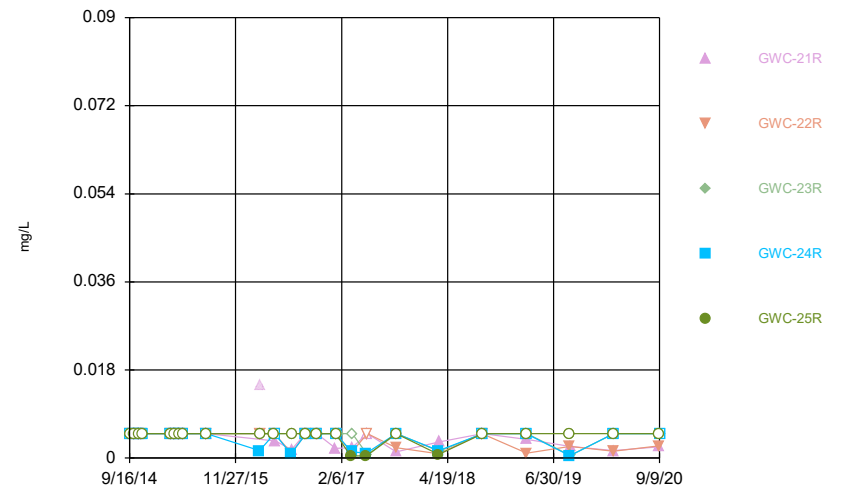
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



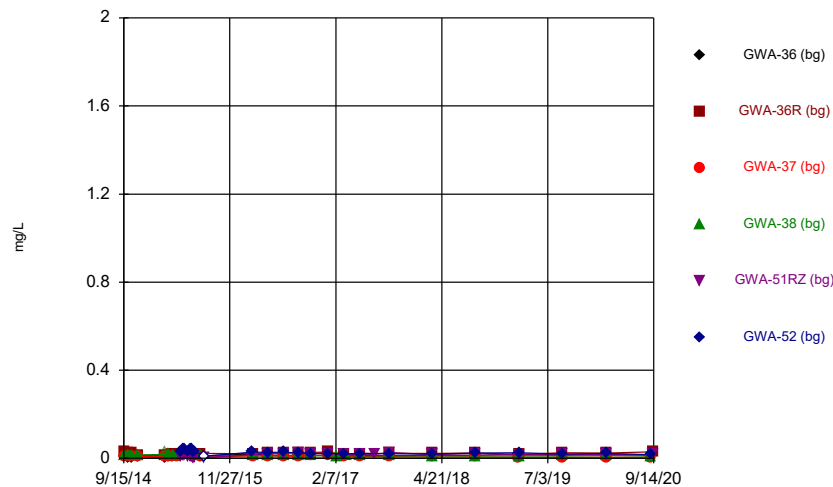
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



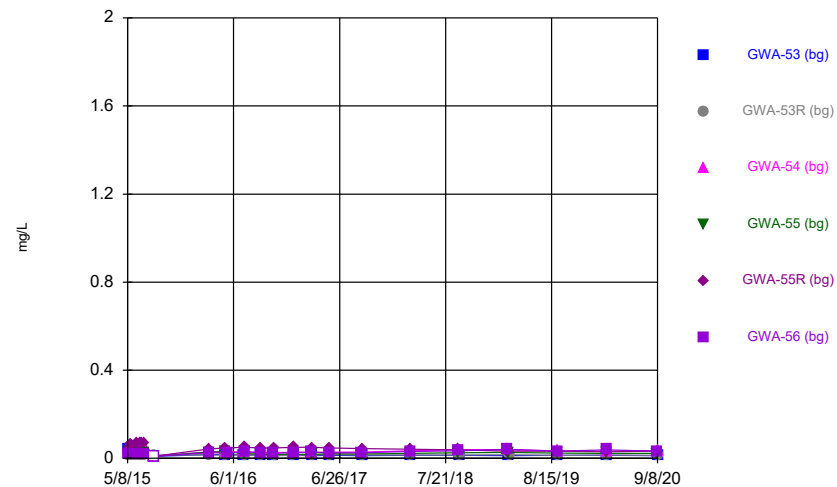
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



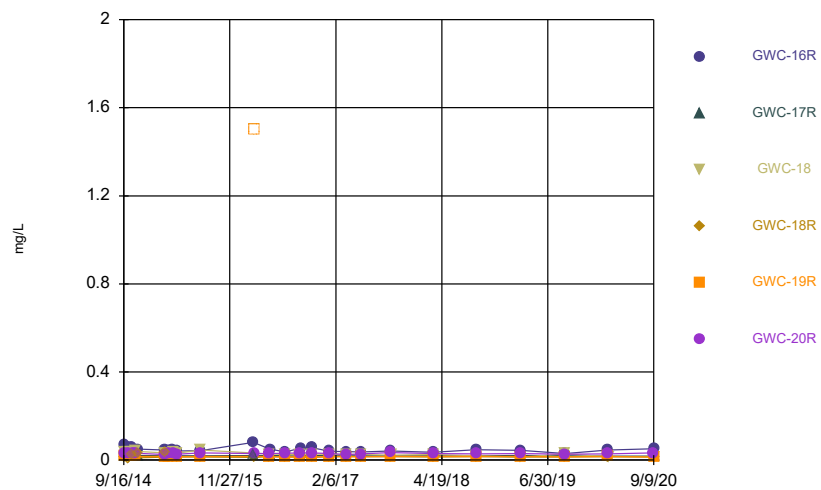
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



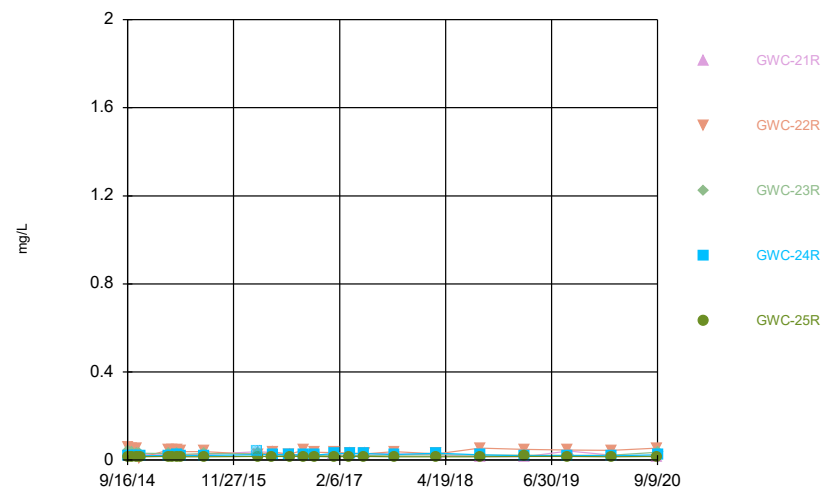
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



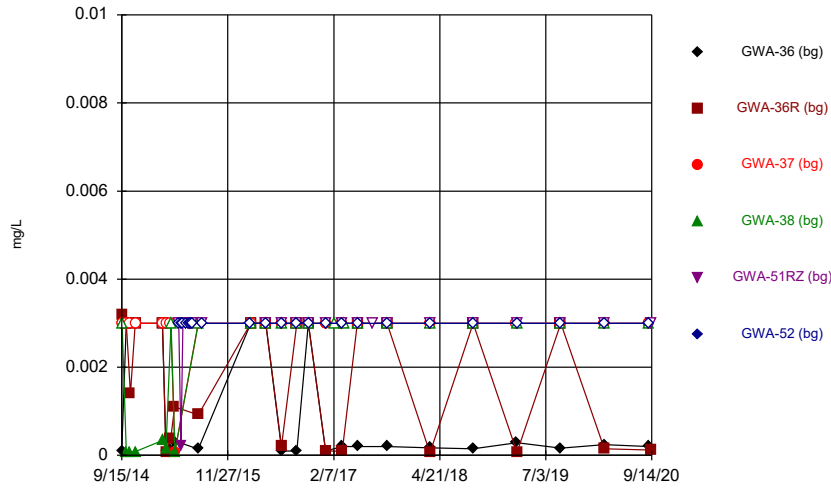
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



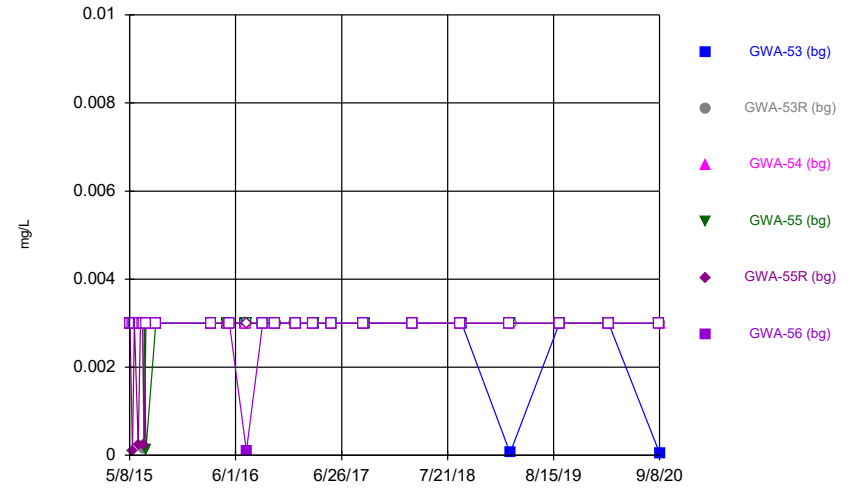
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



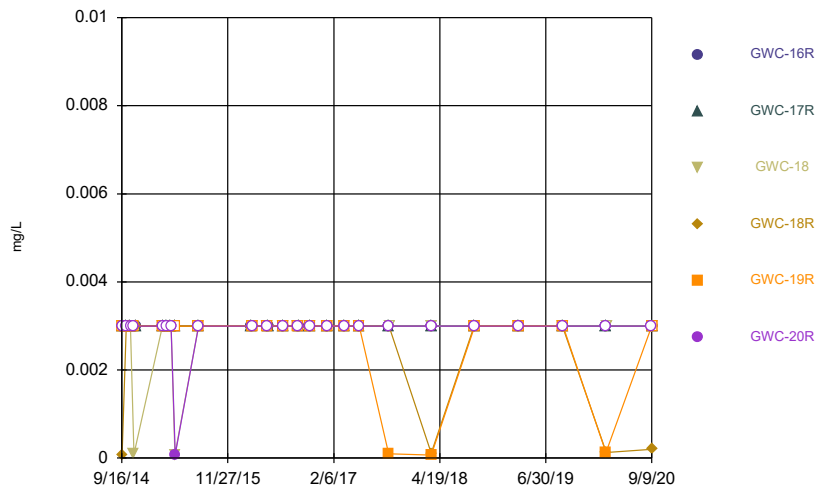
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



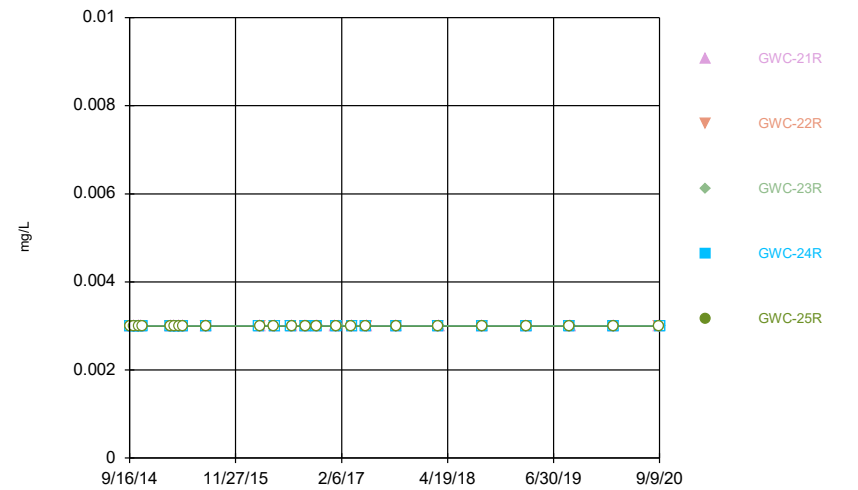
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



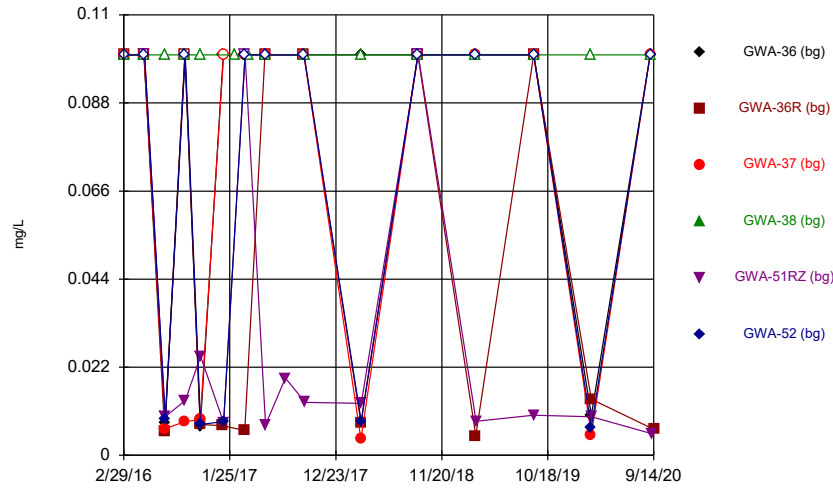
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



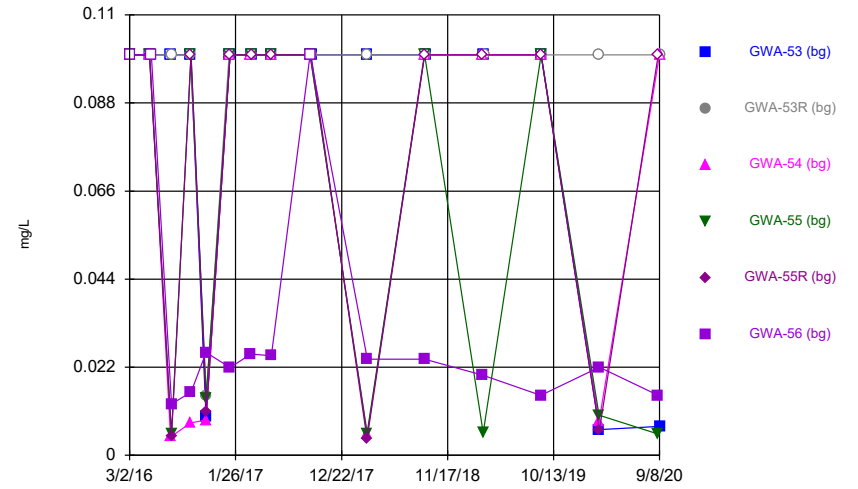
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



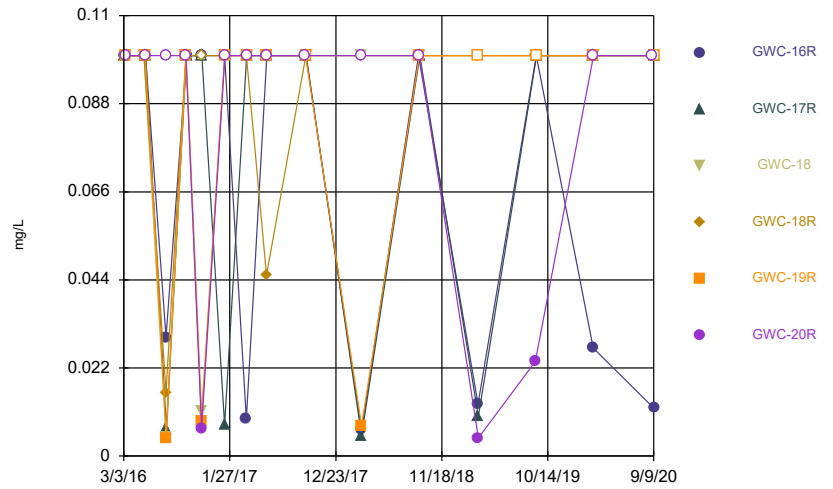
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



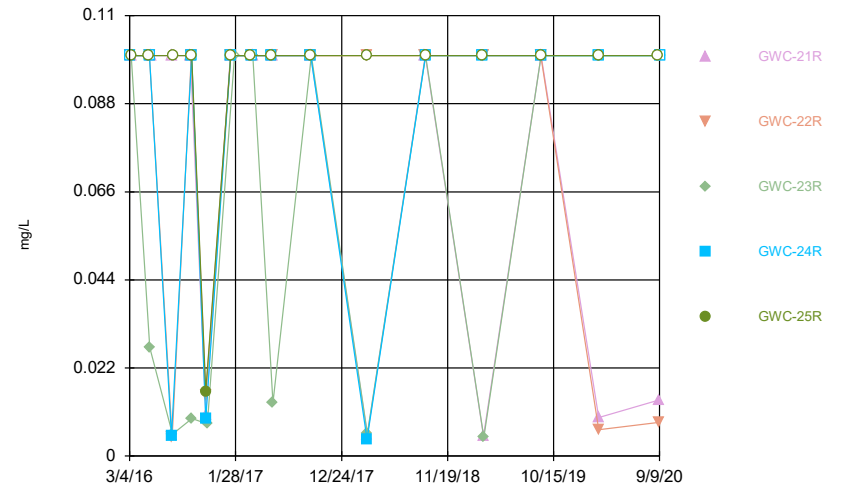
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



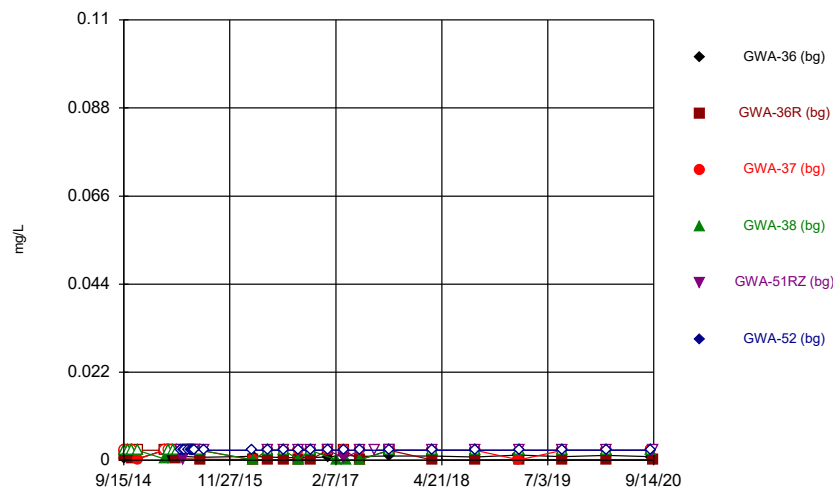
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Time Series



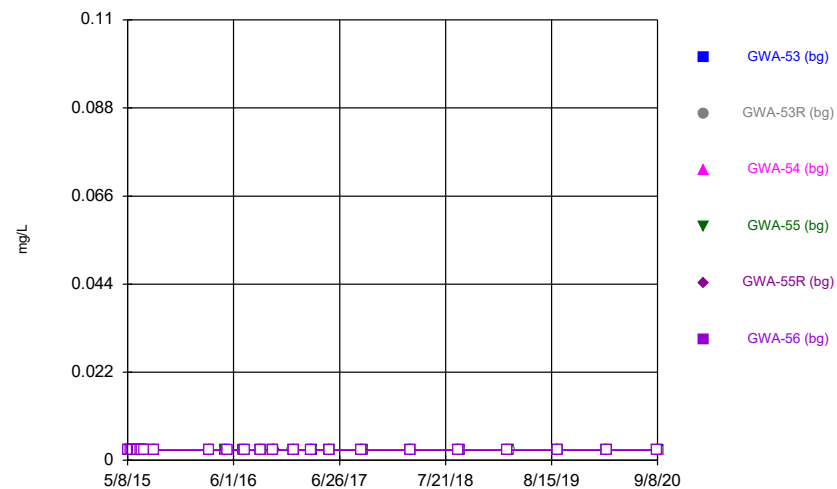
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



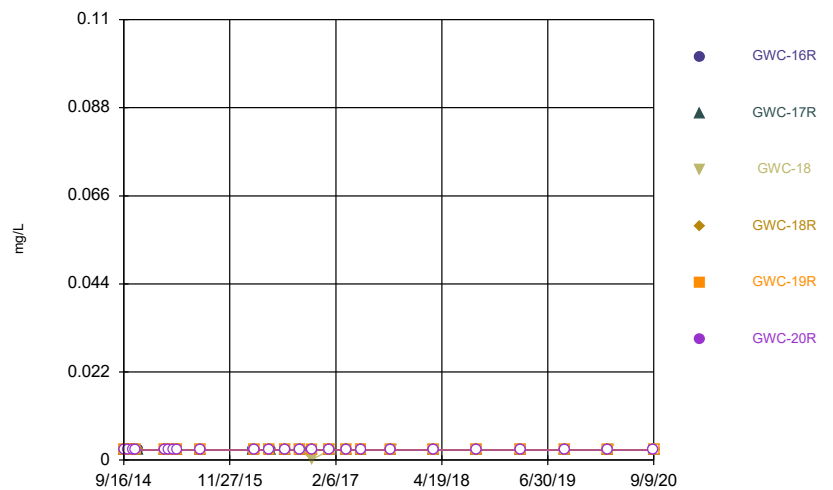
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



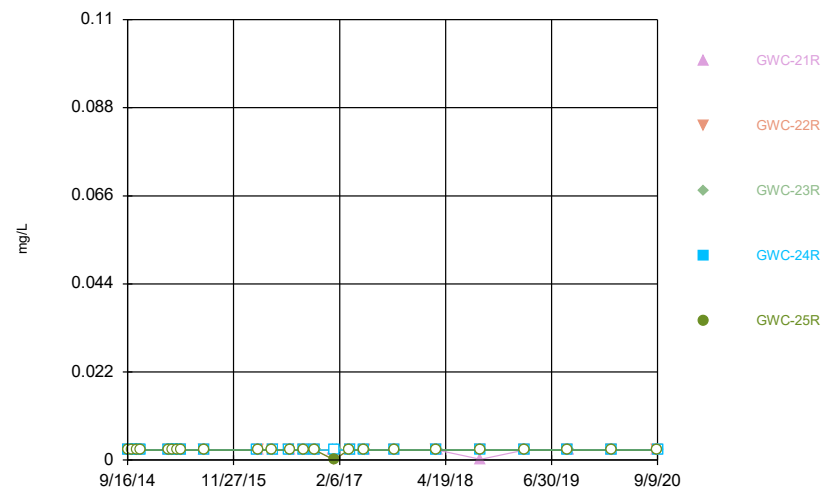
Constituent: Cadmium Analysis Run 1/26/2021 12:51 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



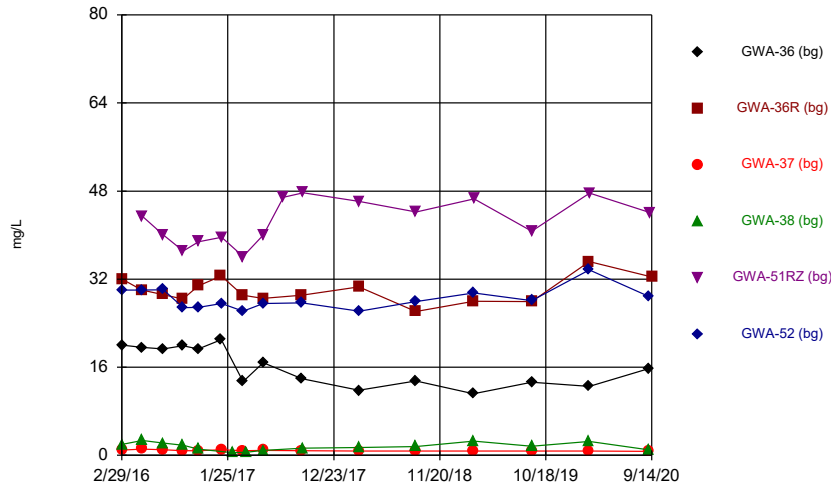
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



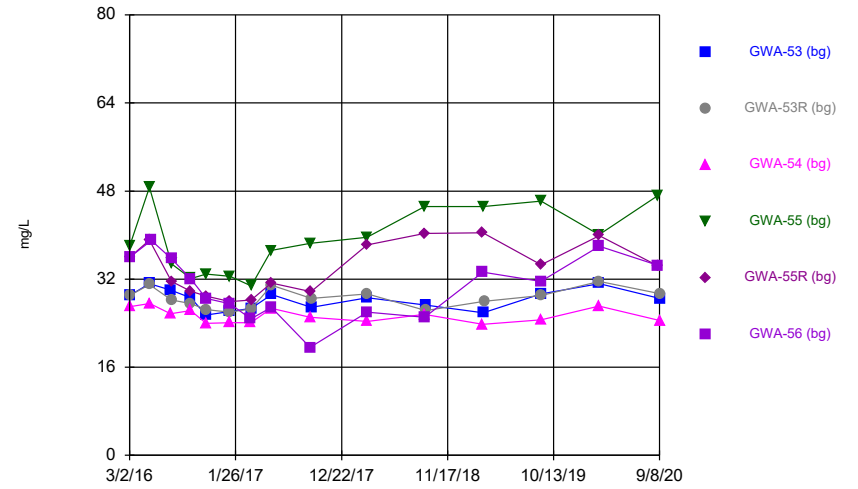
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



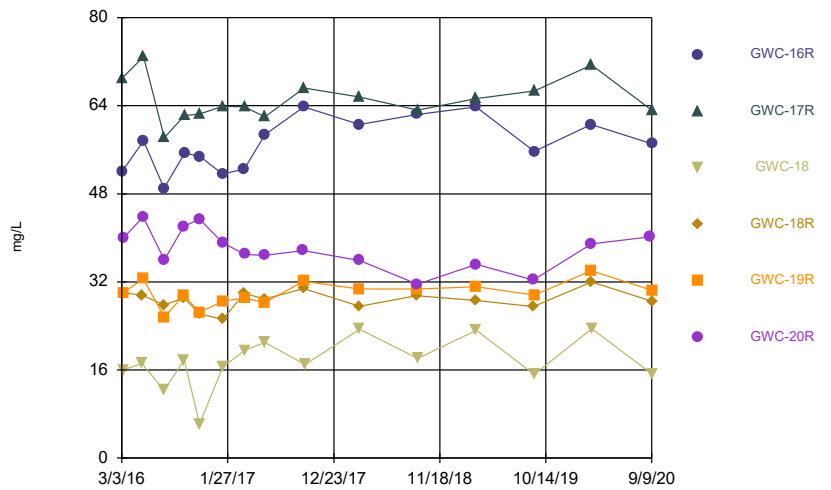
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



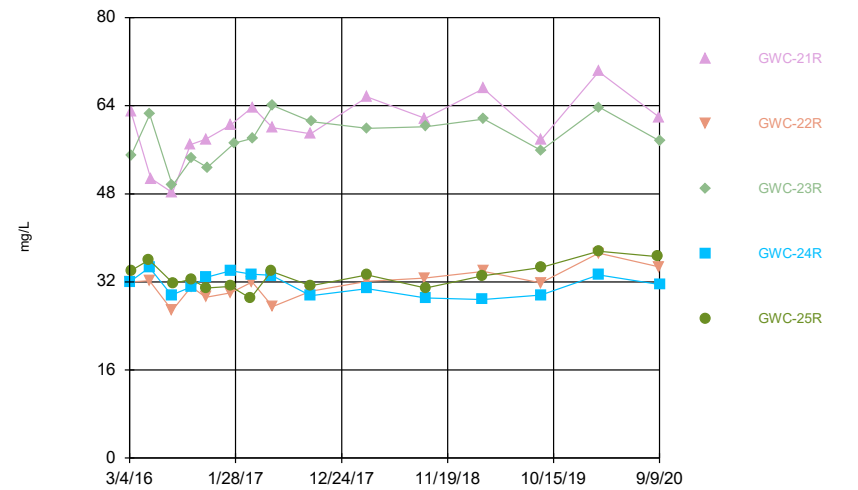
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



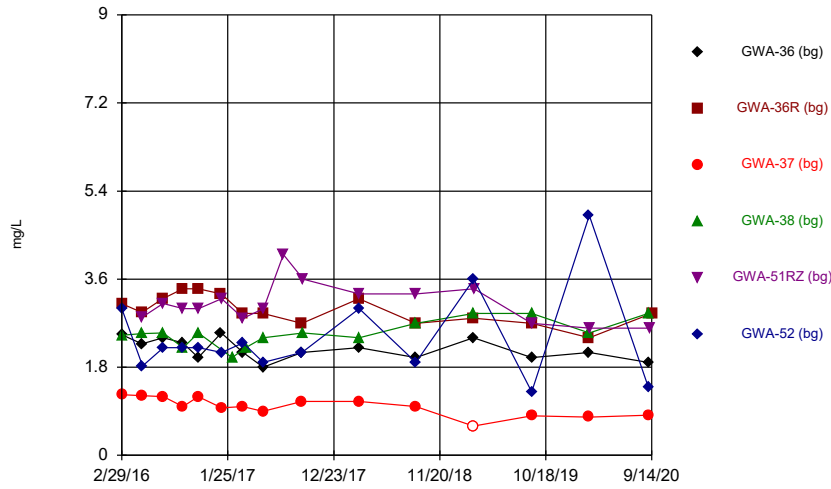
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Time Series



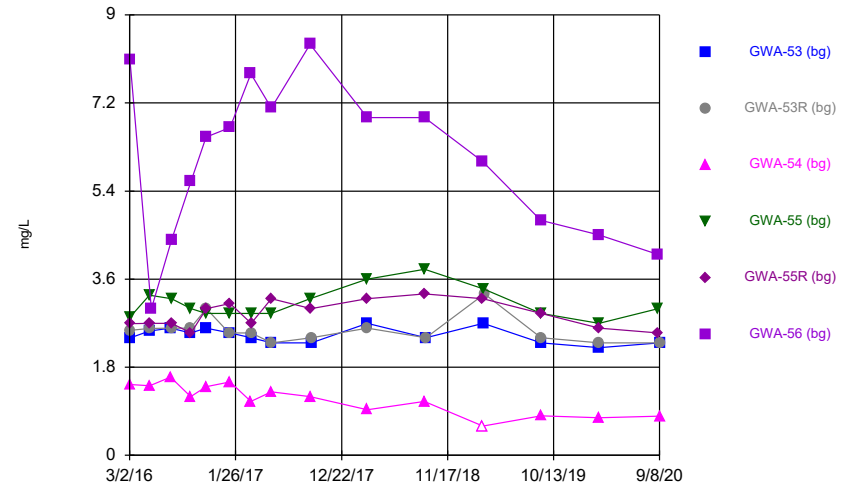
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



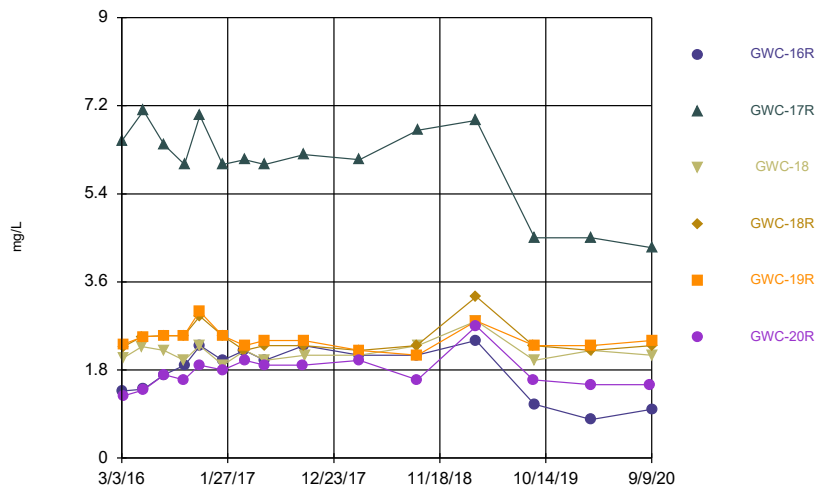
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



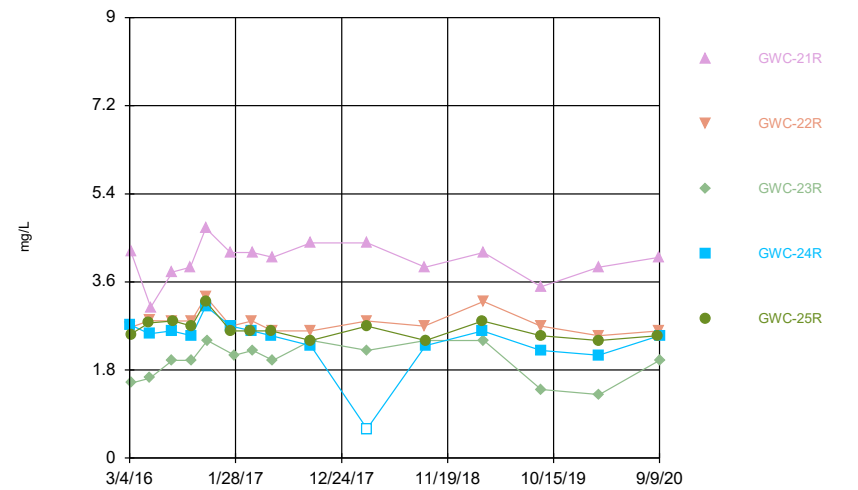
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Time Series



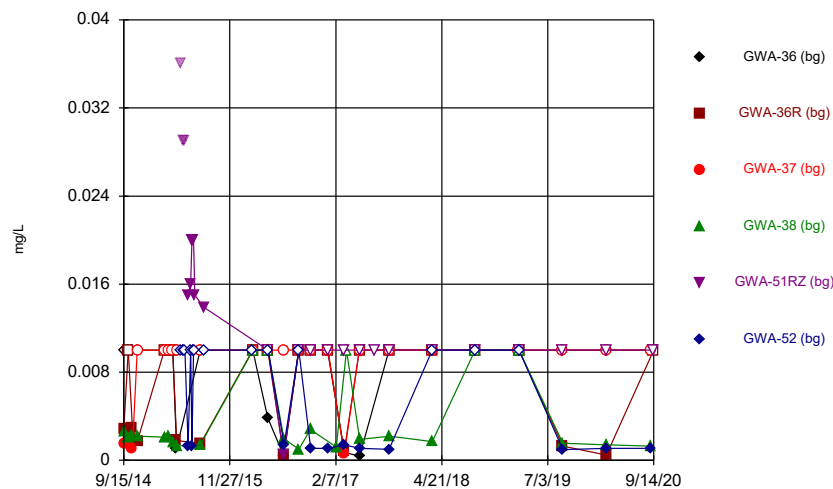
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Time Series



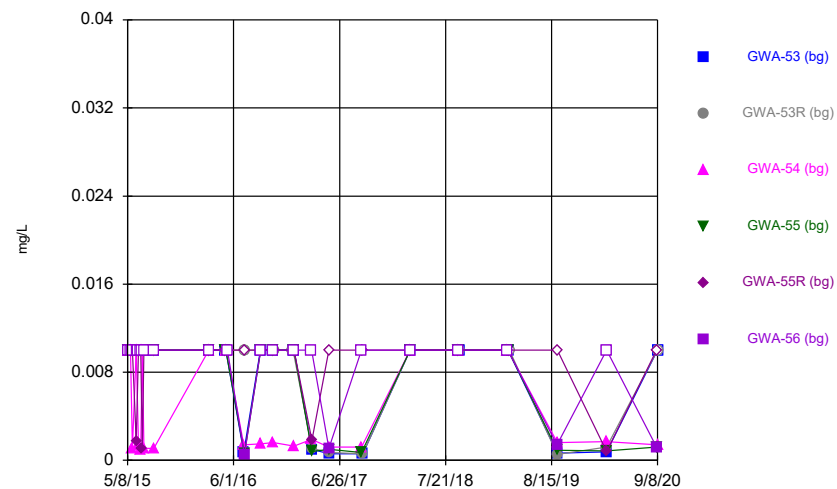
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



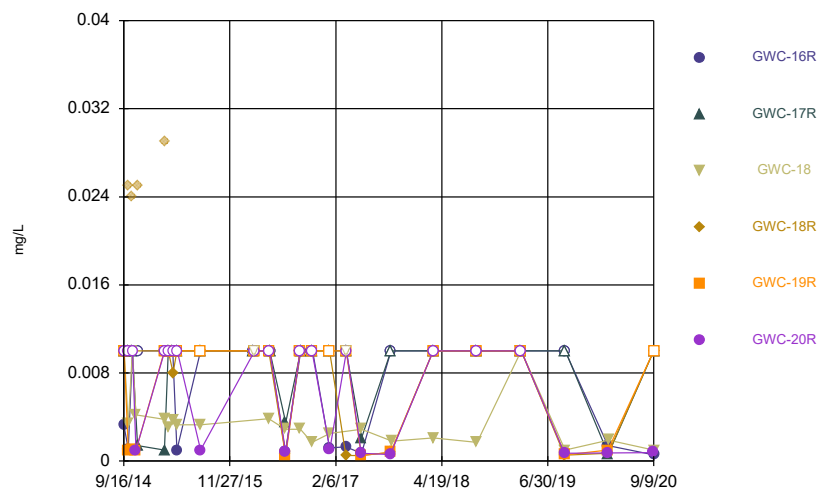
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



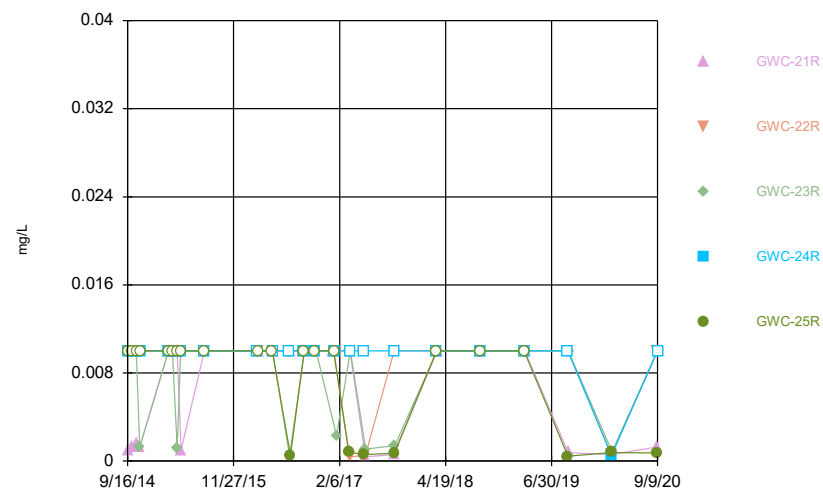
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



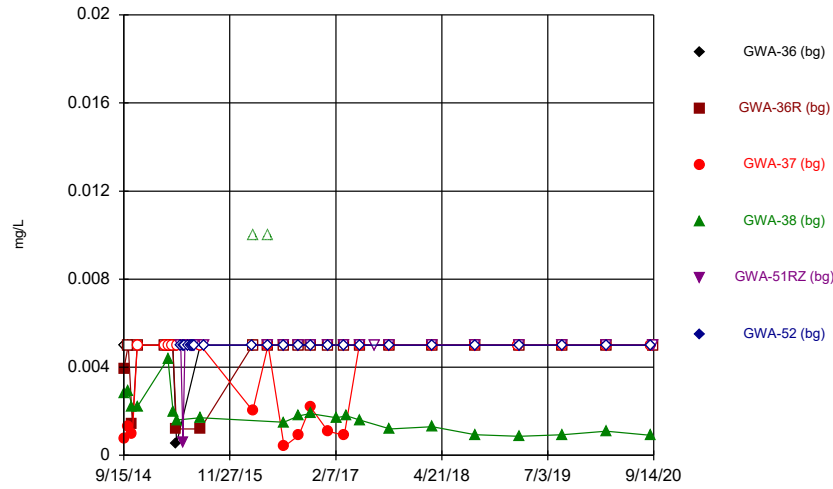
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



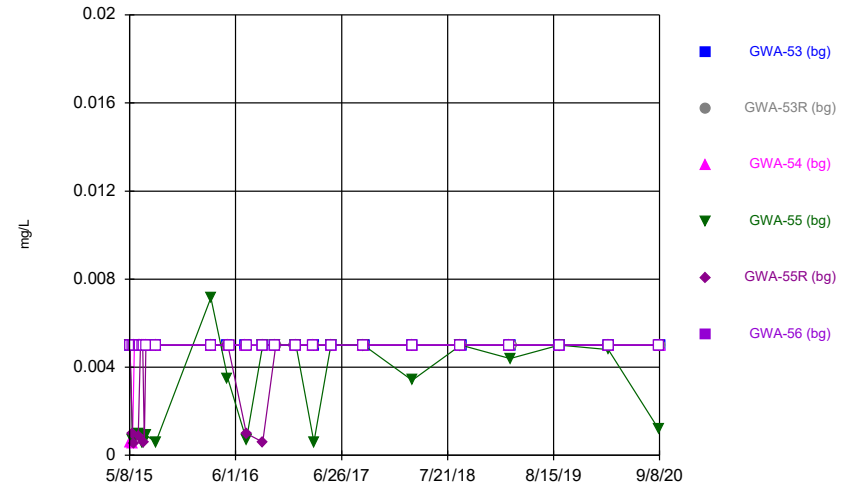
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Time Series



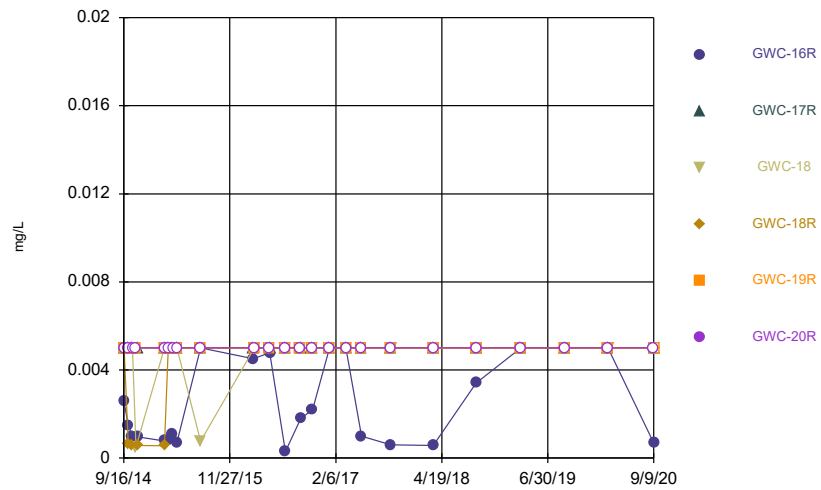
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



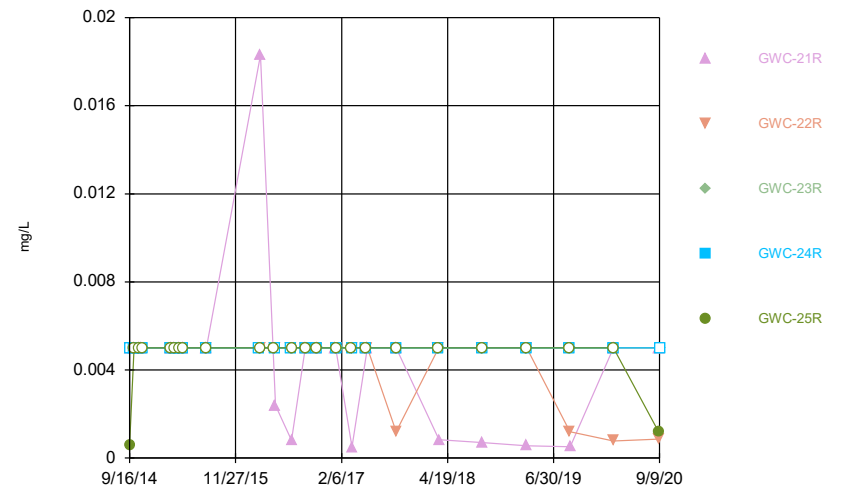
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



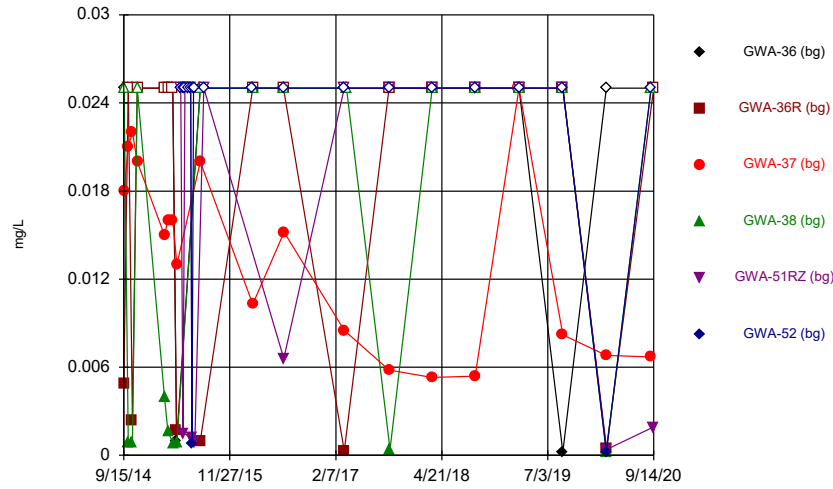
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Time Series



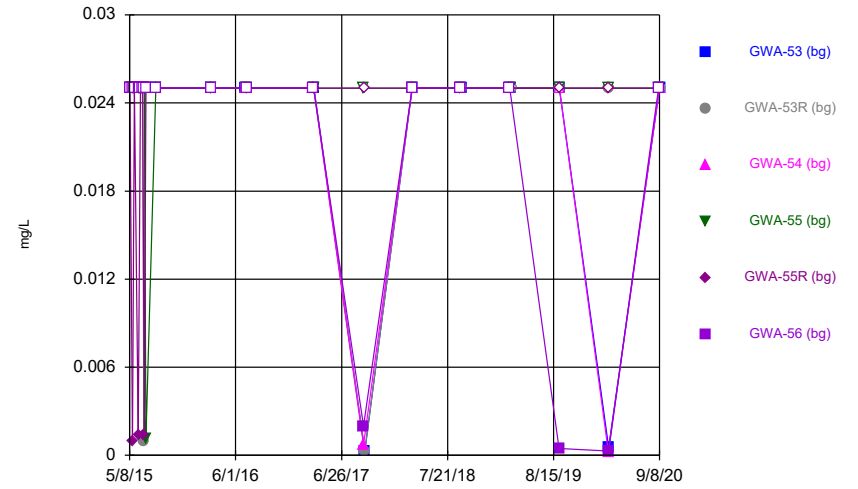
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



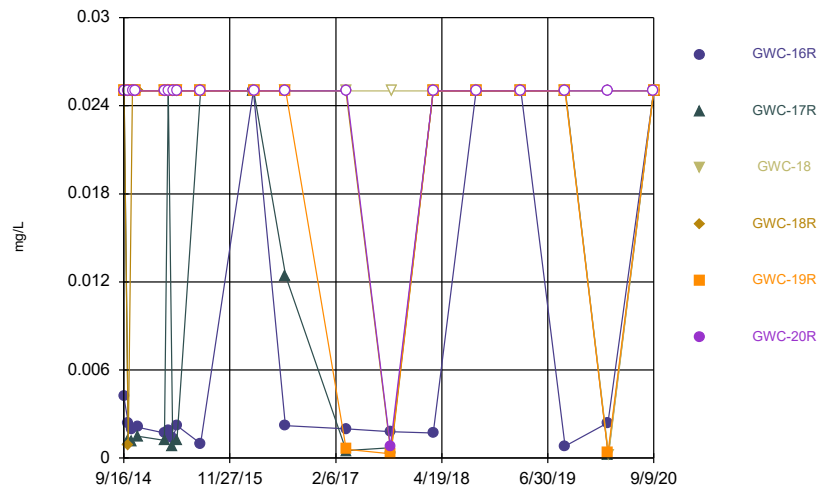
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



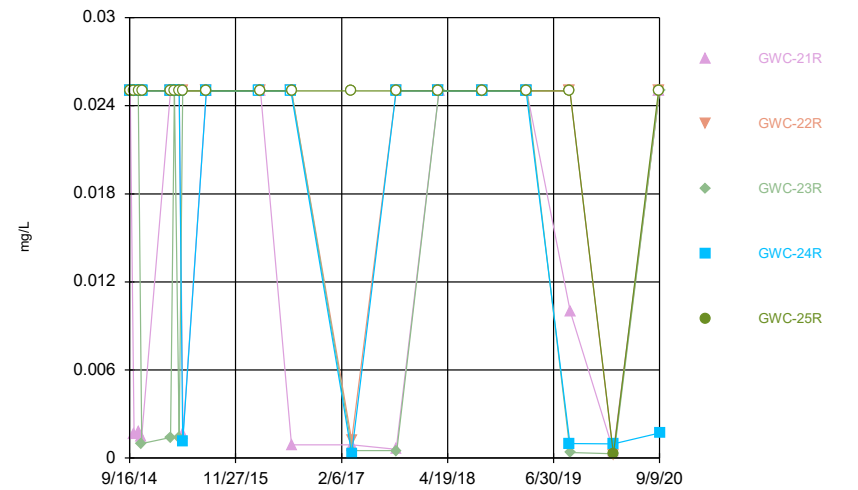
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



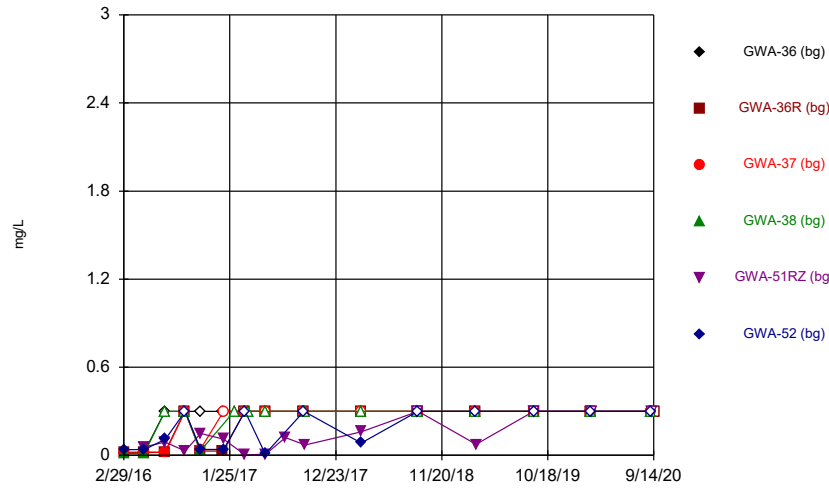
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



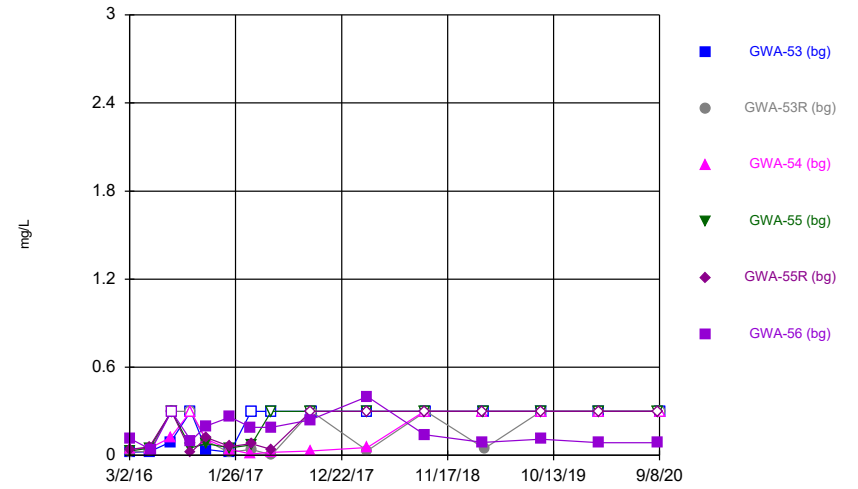
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



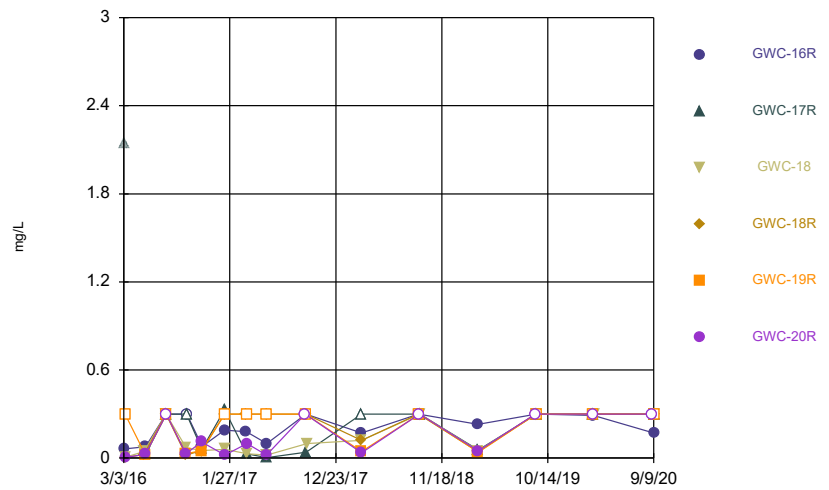
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Time Series



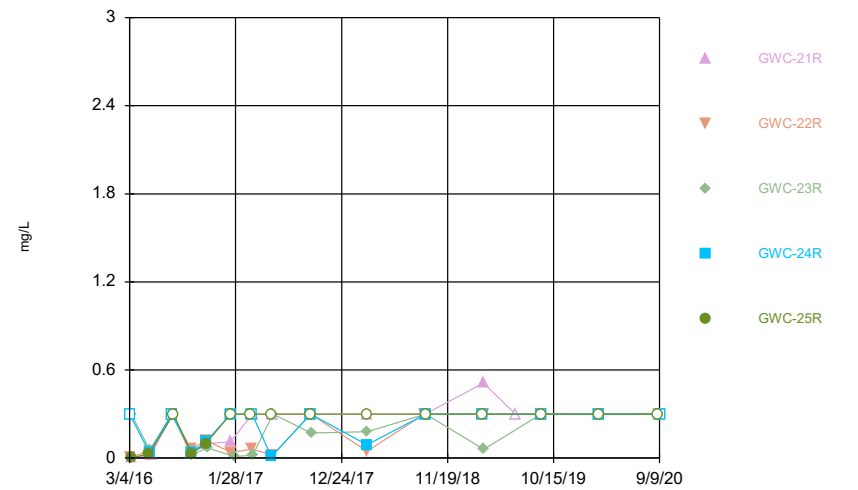
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Time Series



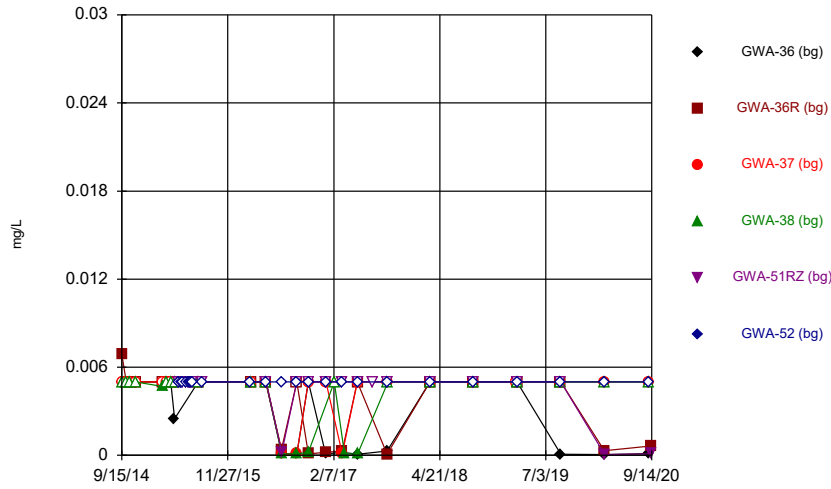
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Time Series



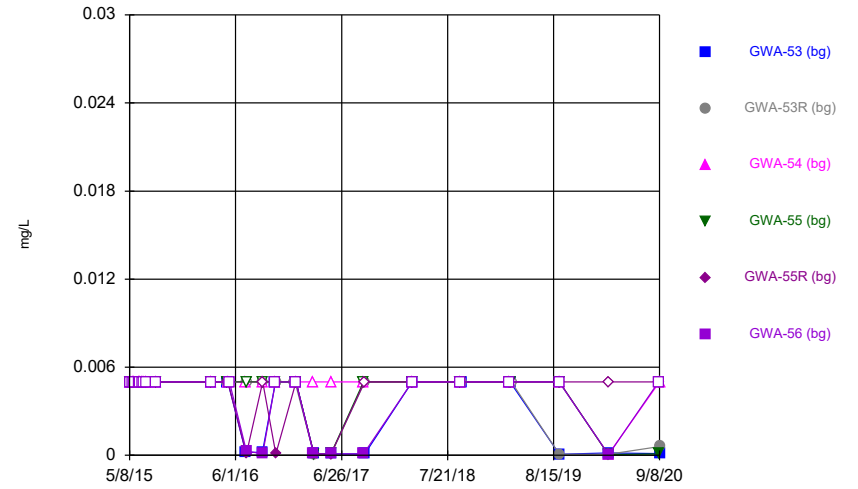
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Time Series



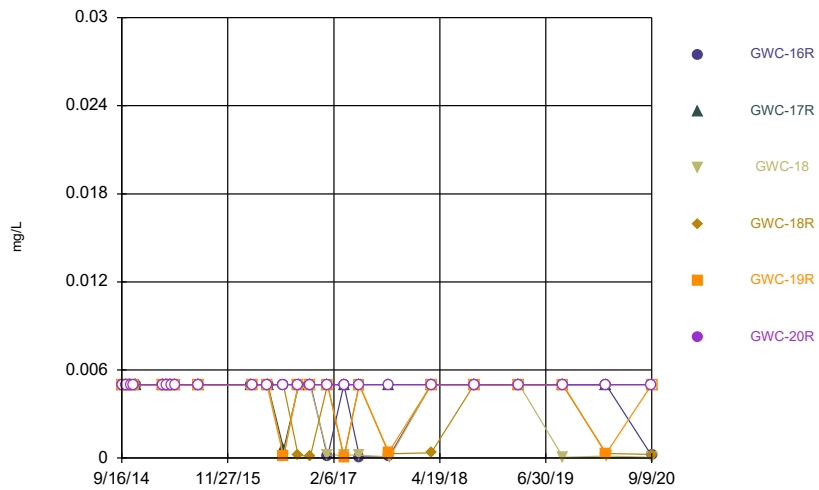
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



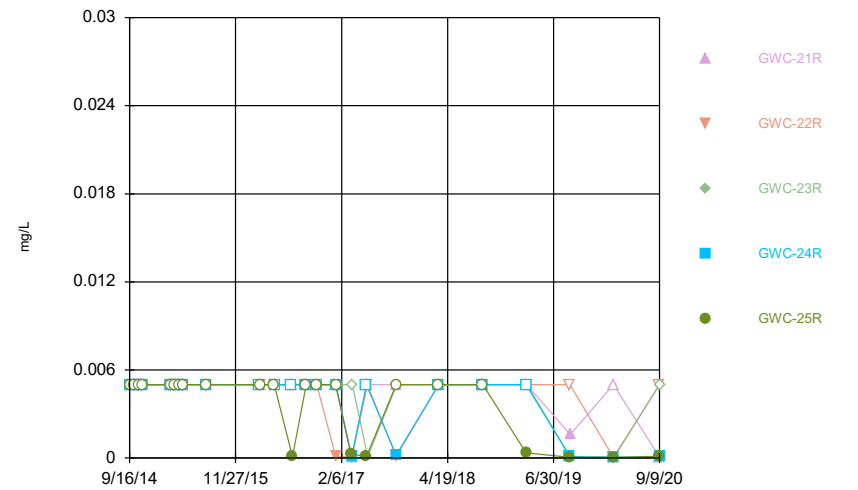
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



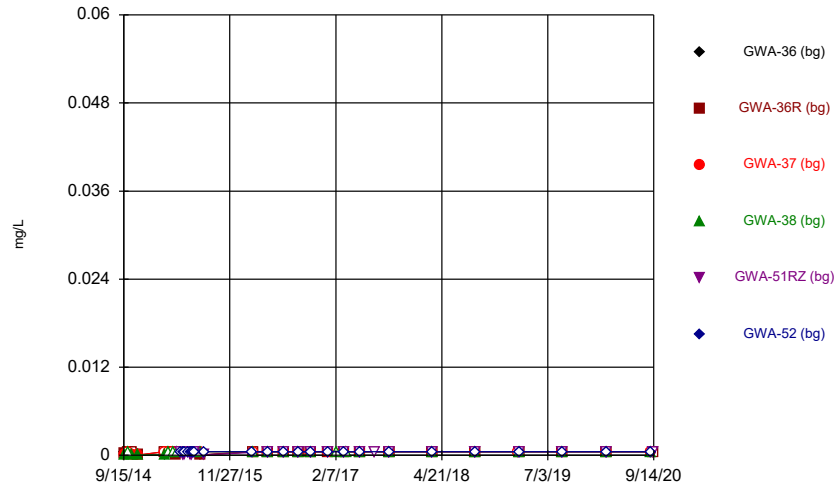
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



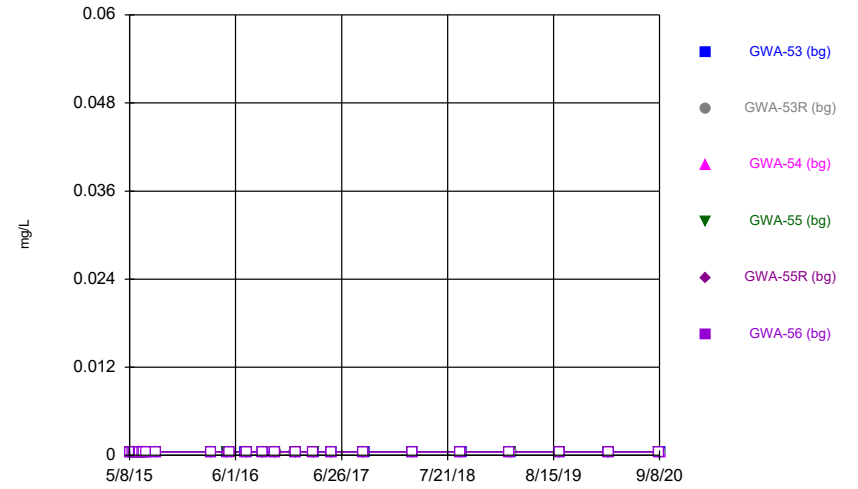
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



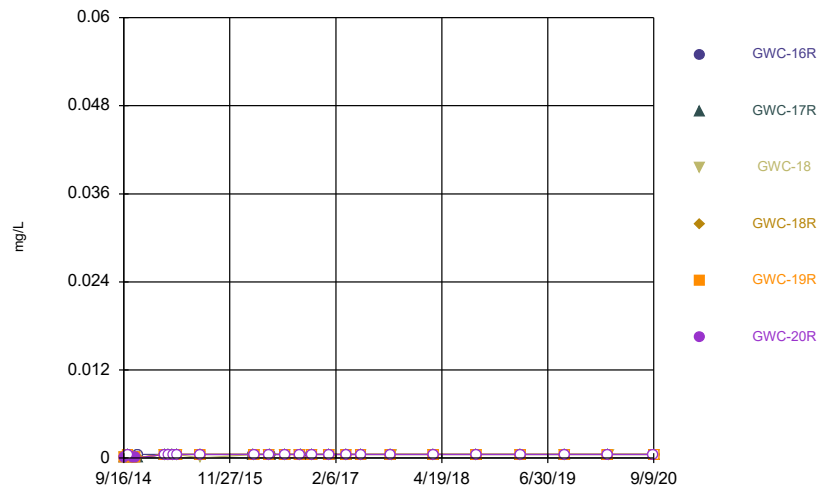
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



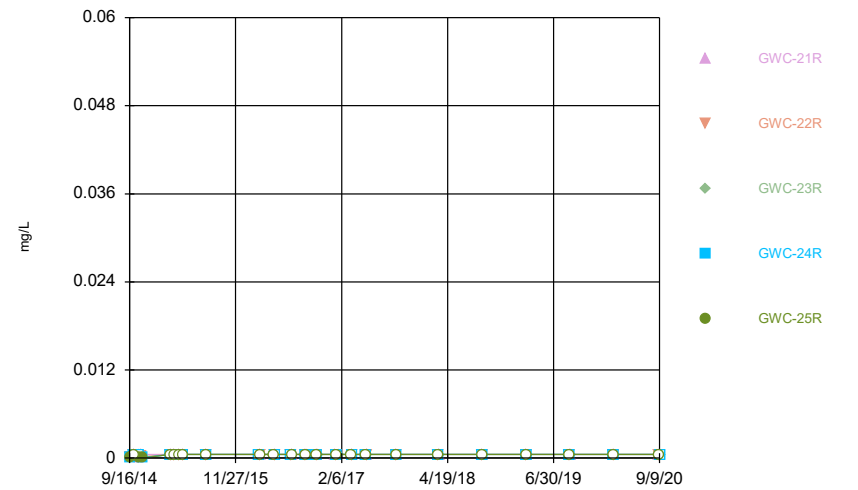
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



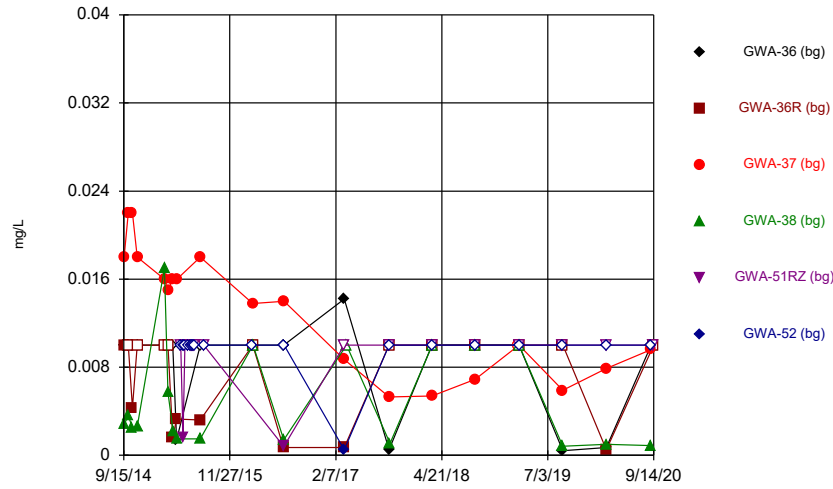
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Time Series



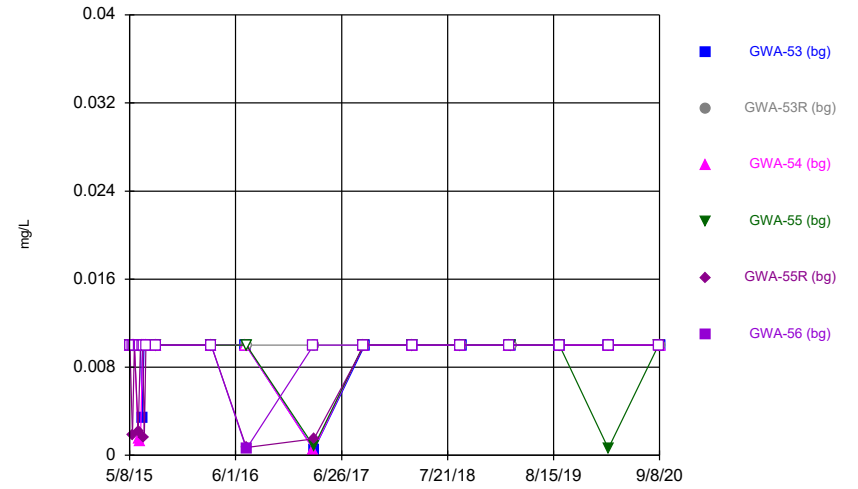
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



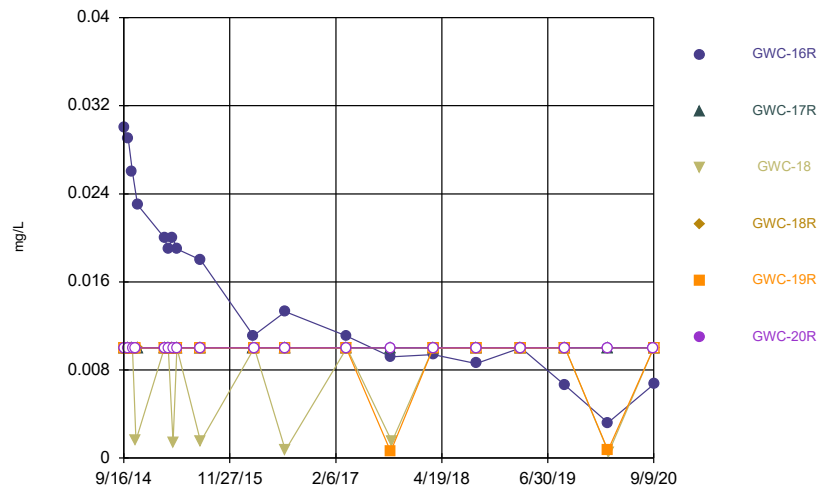
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



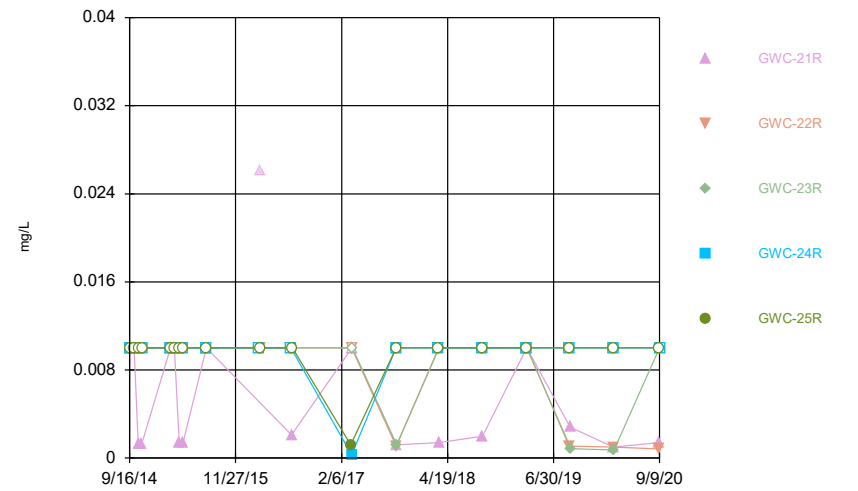
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



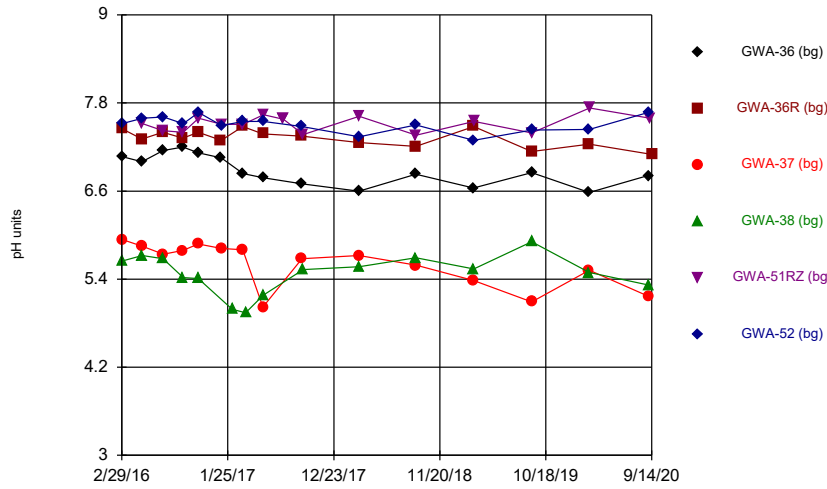
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Time Series



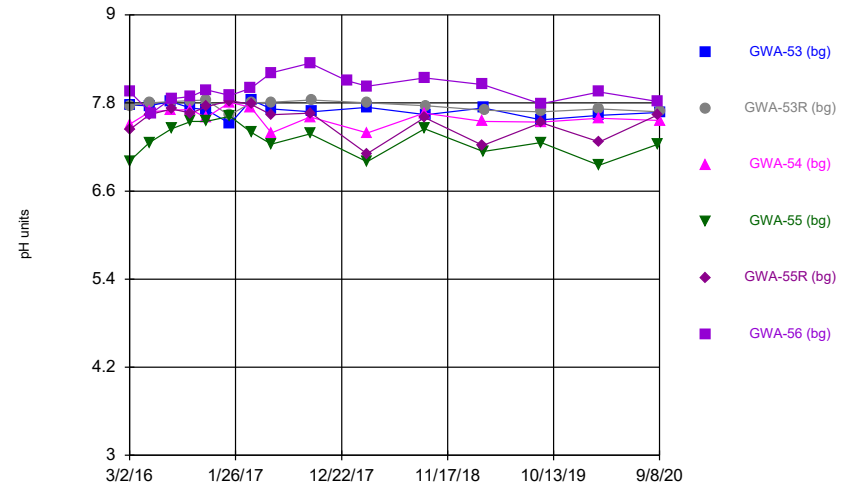
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



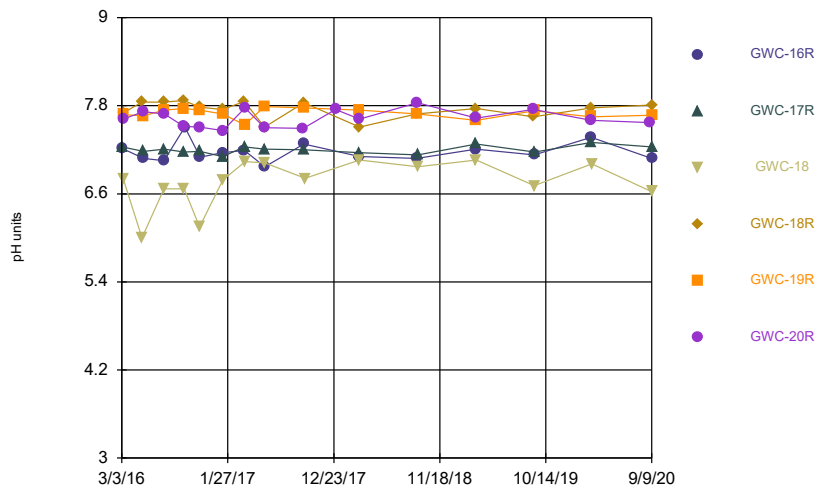
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



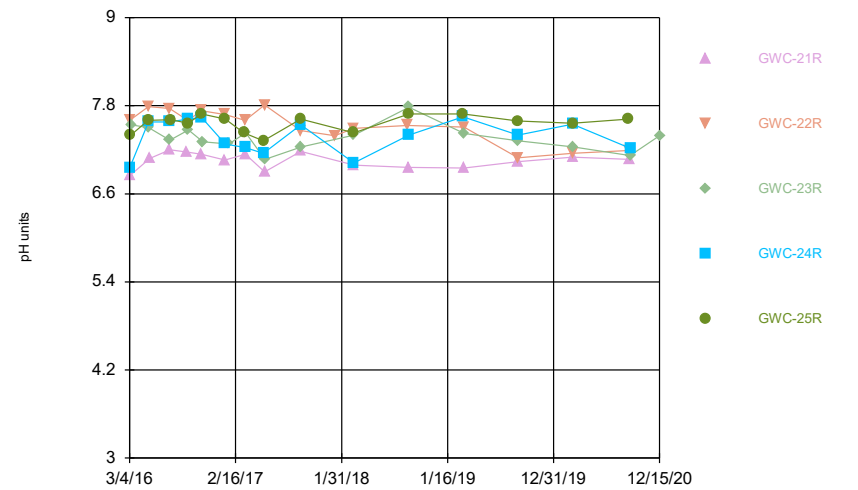
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



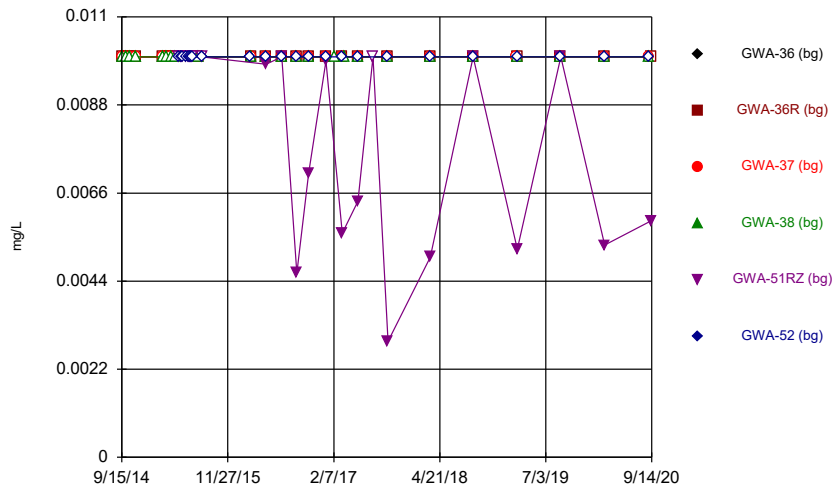
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Time Series



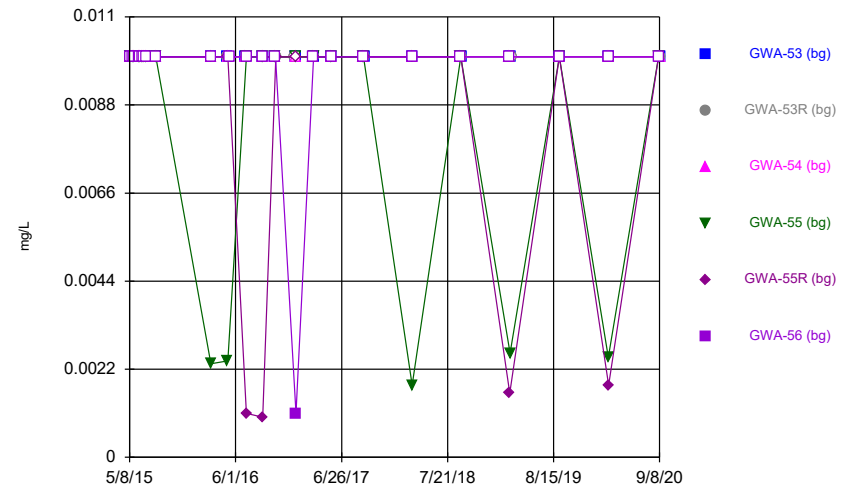
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Time Series



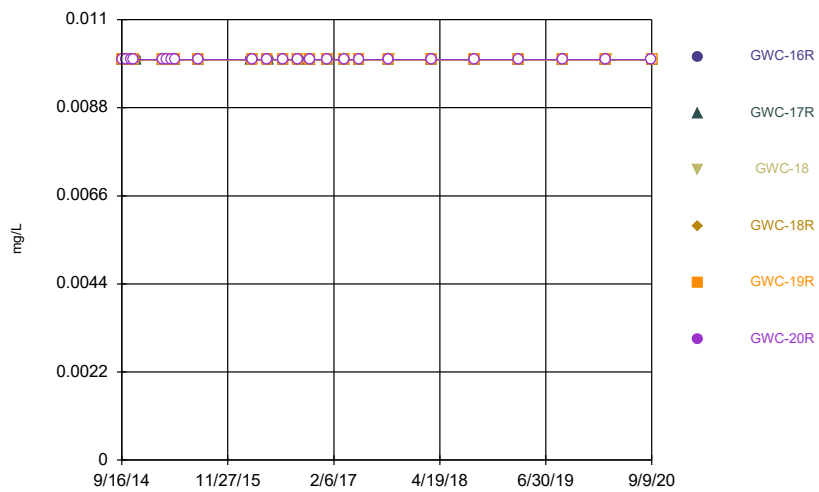
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Time Series



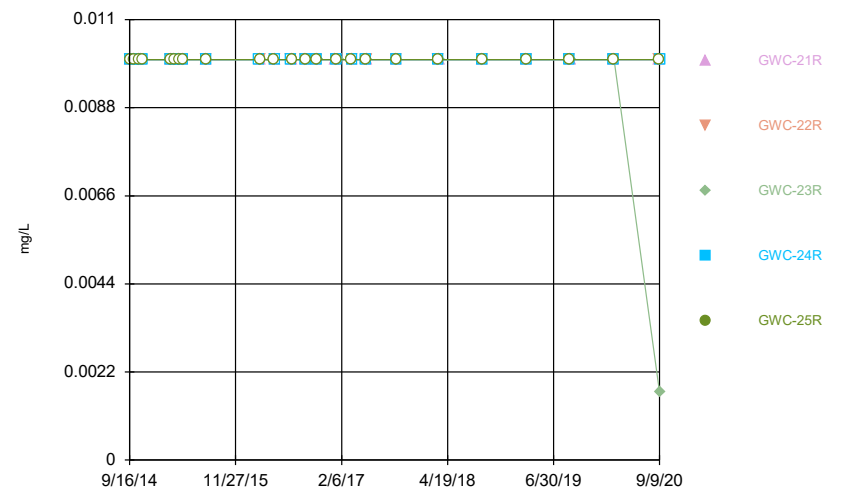
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Time Series



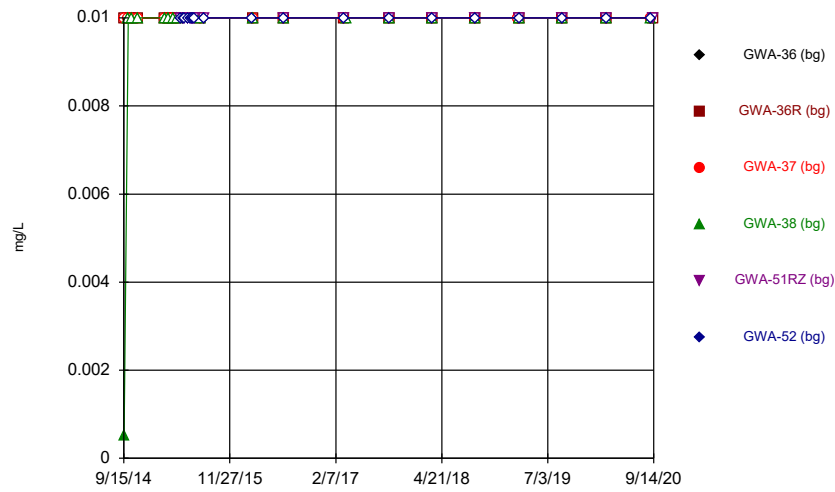
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Time Series



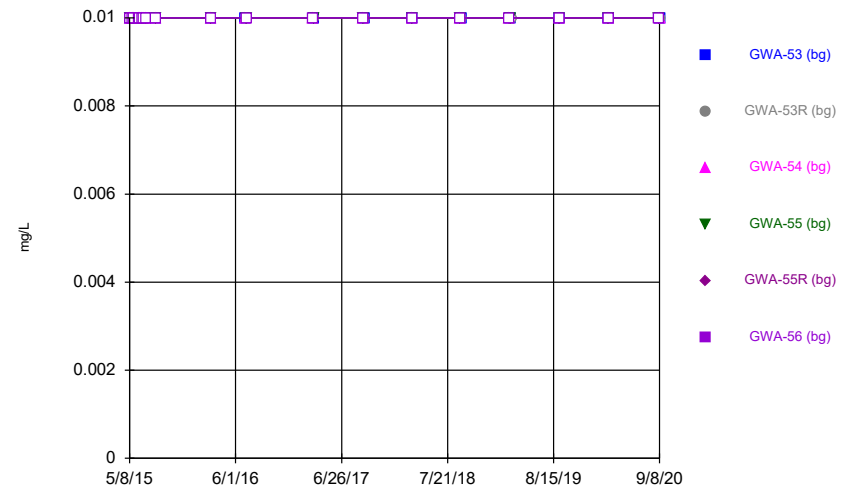
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Time Series



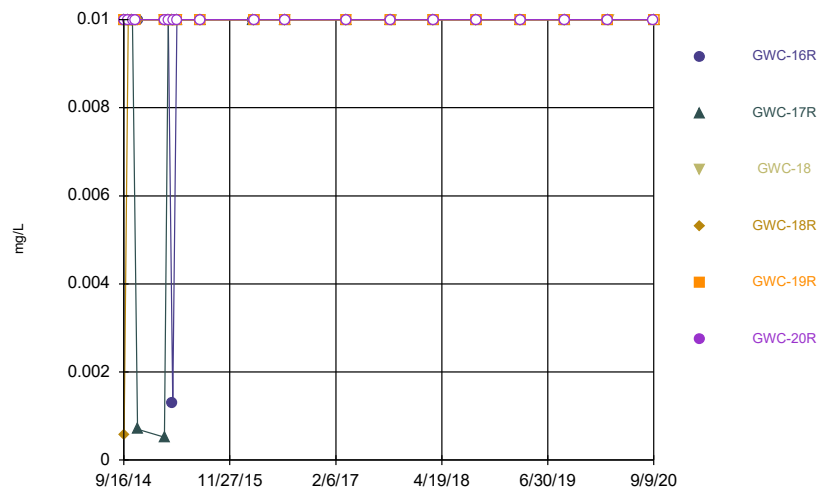
Constituent: Silver Analysis Run 1/26/2021 12:51 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



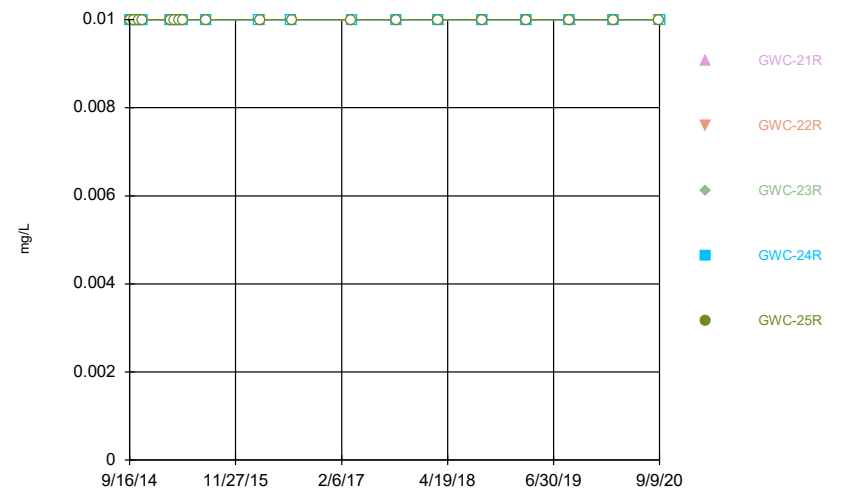
Constituent: Silver Analysis Run 1/26/2021 12:51 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



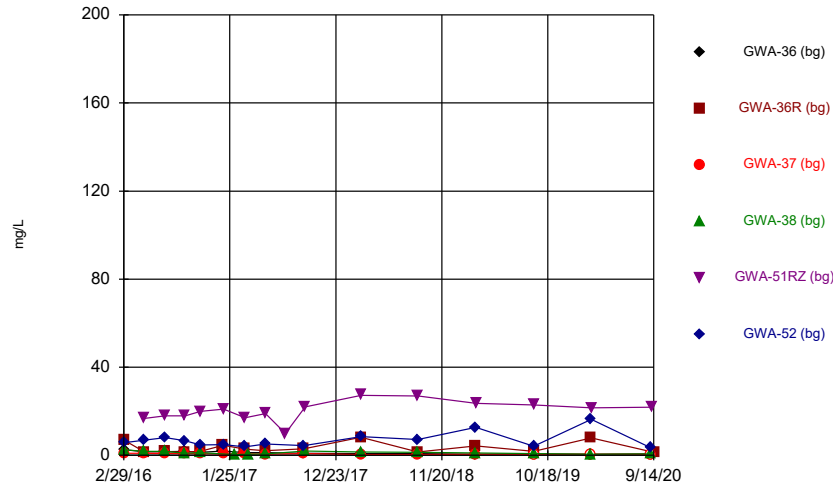
Constituent: Silver Analysis Run 1/26/2021 12:51 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



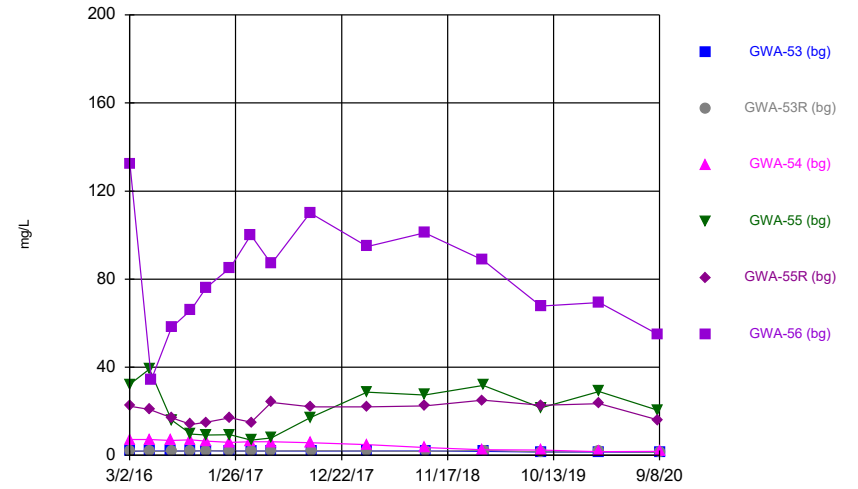
Constituent: Silver Analysis Run 1/26/2021 12:51 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



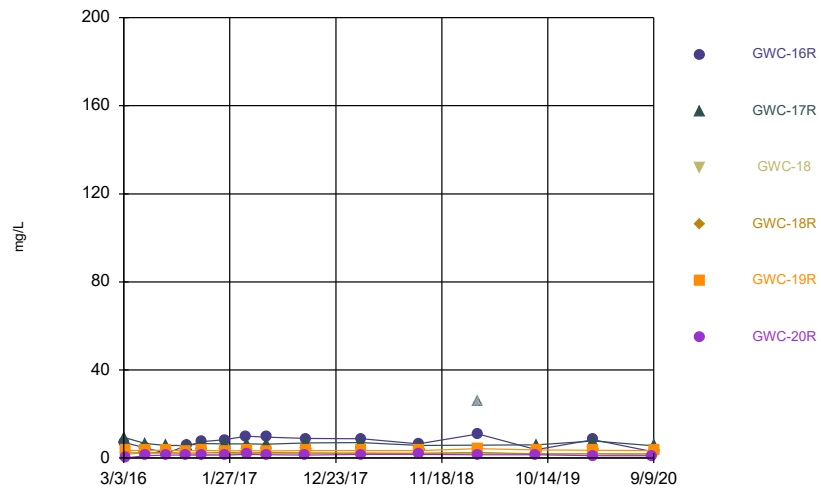
Constituent: Sulfate Analysis Run 1/26/2021 12:51 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



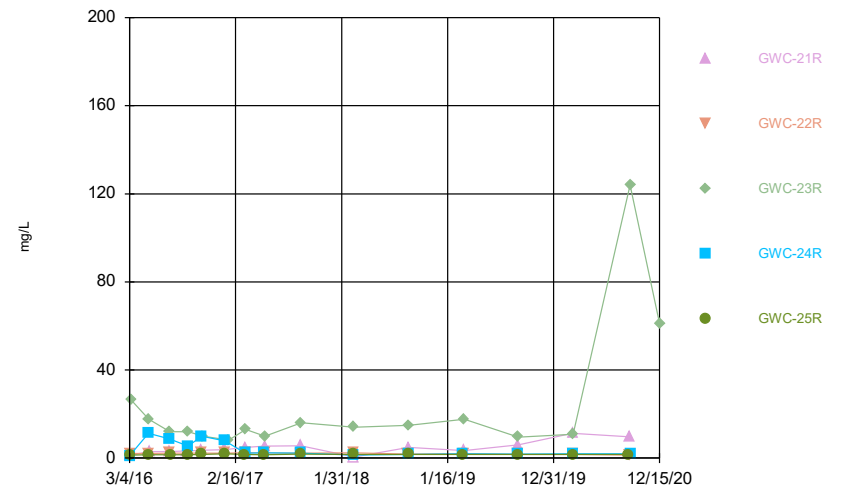
Constituent: Sulfate Analysis Run 1/26/2021 12:51 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



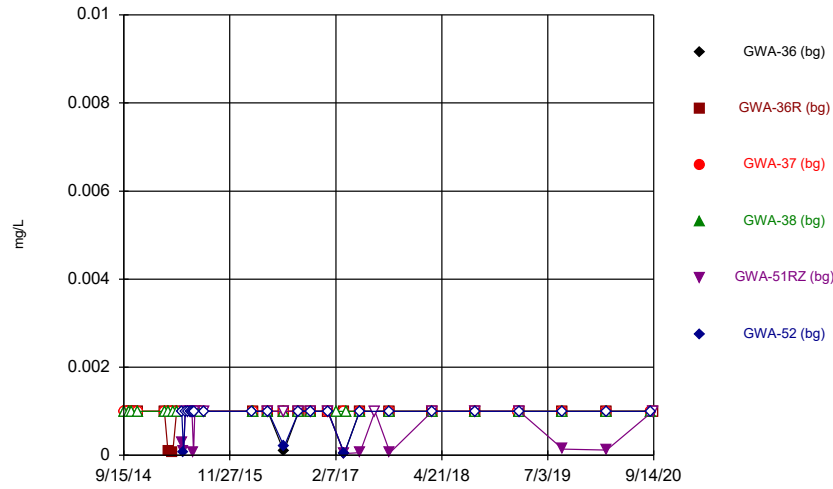
Constituent: Sulfate Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



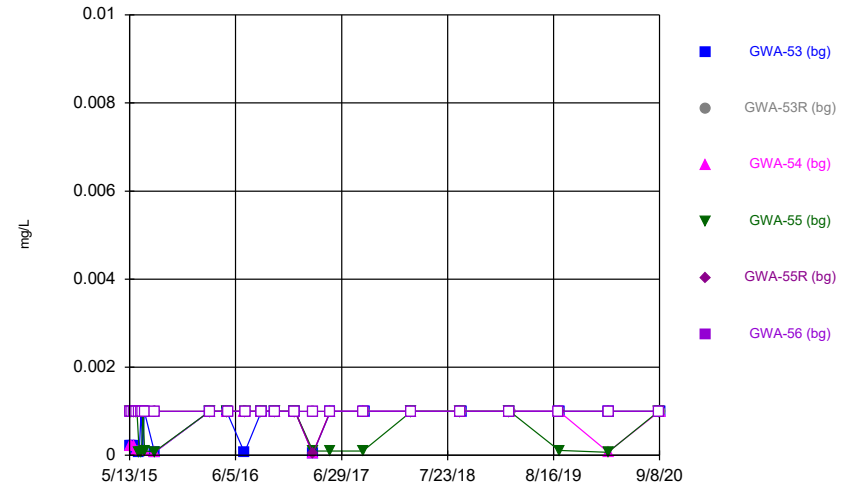
Constituent: Sulfate Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



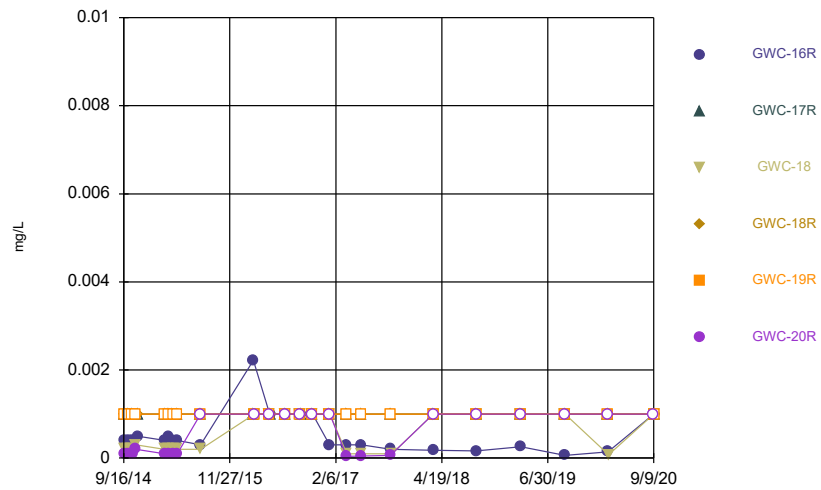
Constituent: Thallium Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



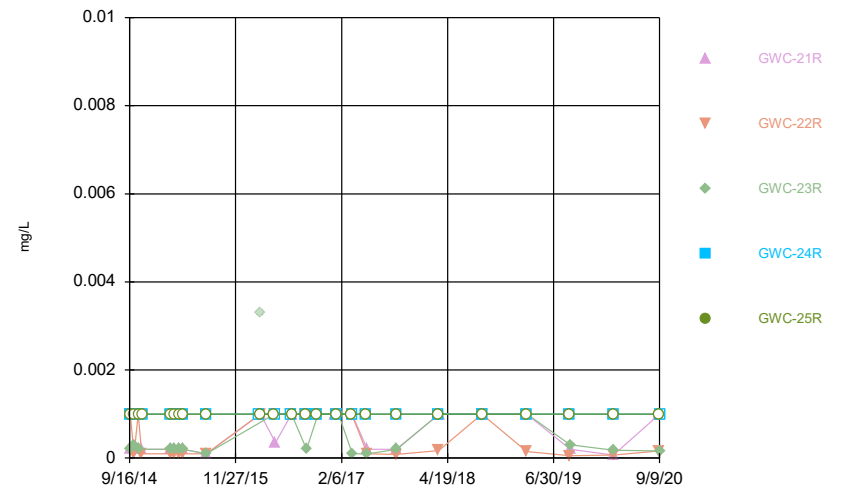
Constituent: Thallium Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



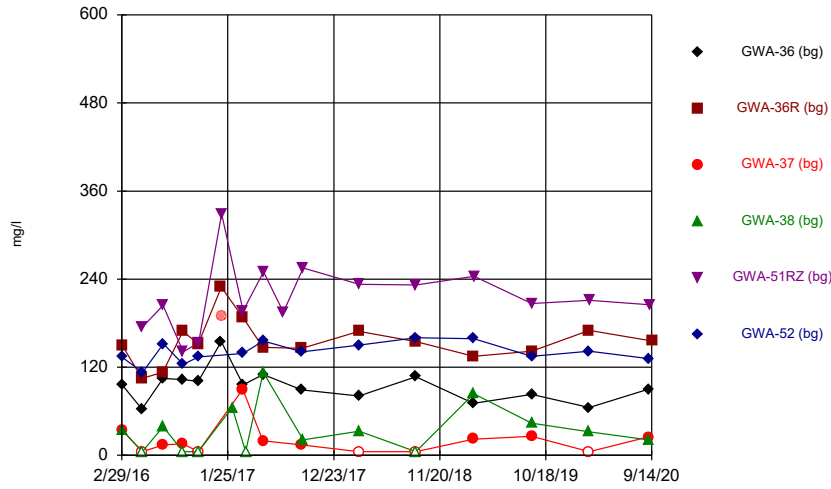
Constituent: Thallium Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



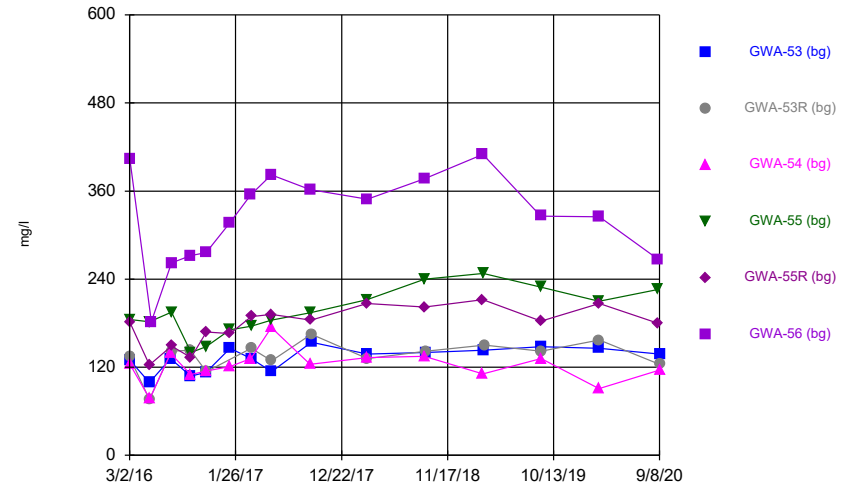
Constituent: Thallium Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



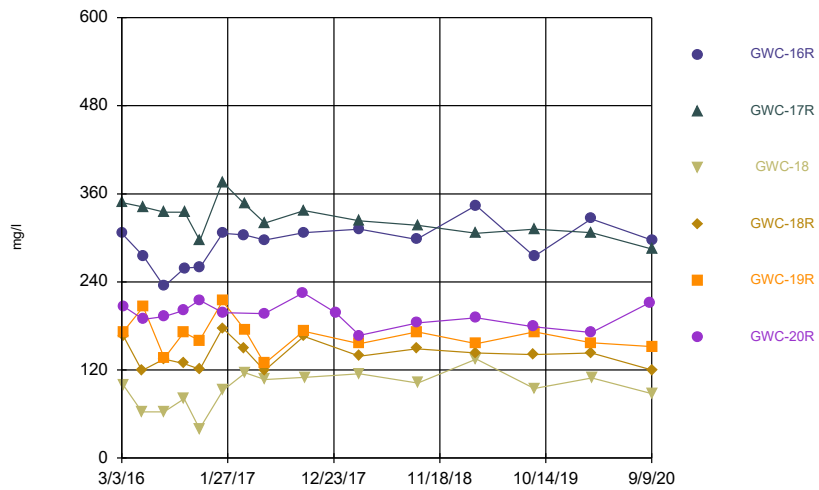
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



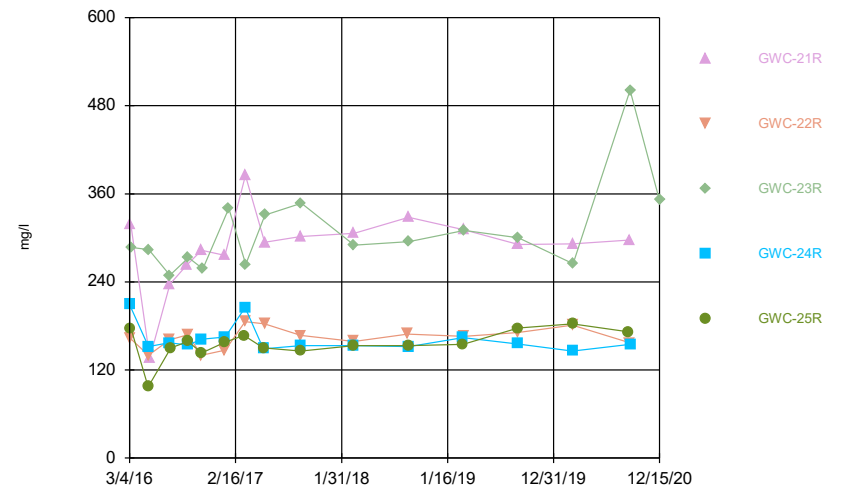
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



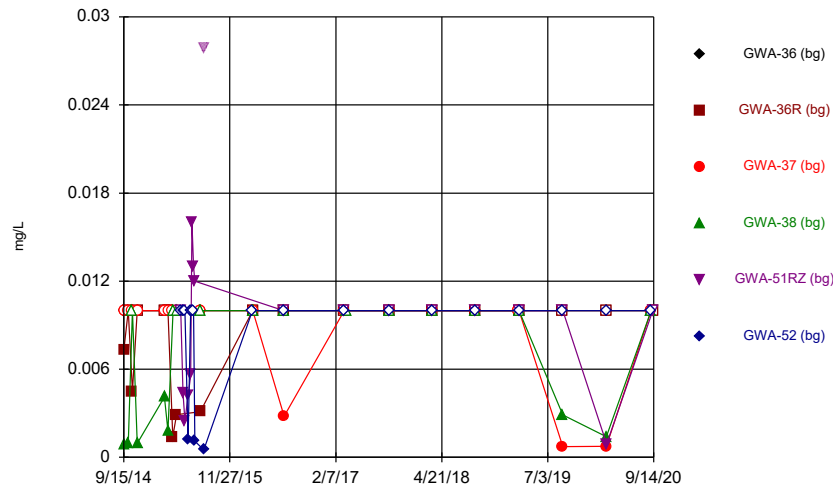
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



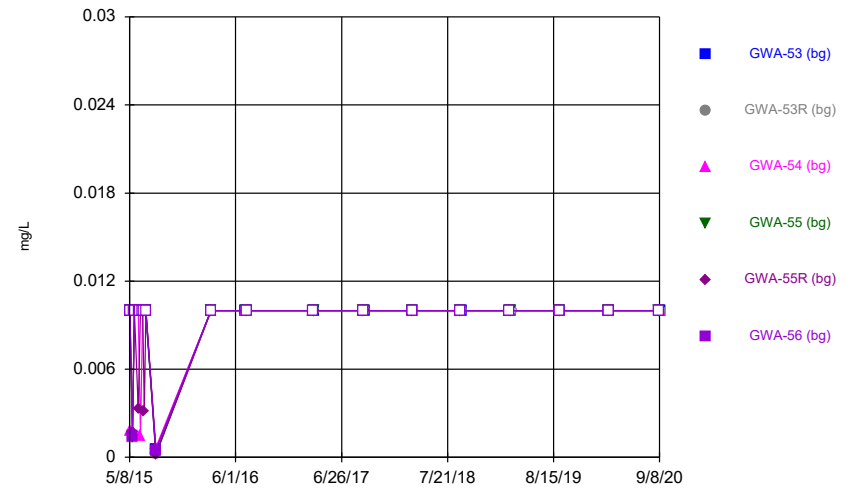
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



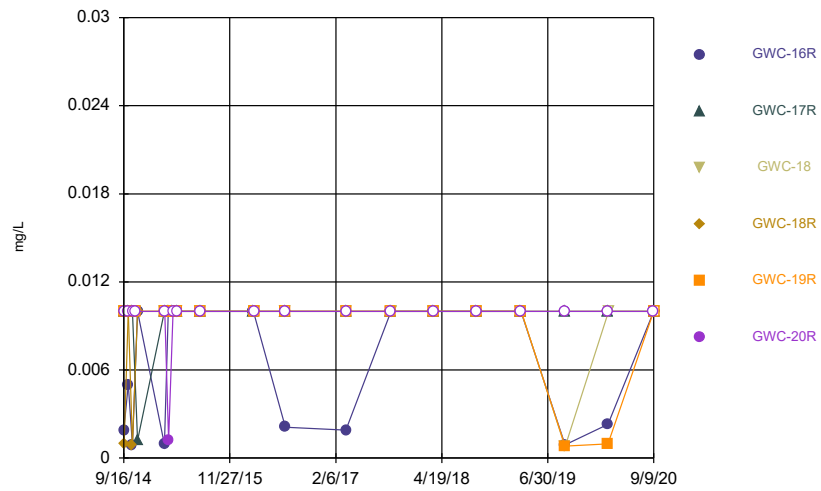
Constituent: Vanadium Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



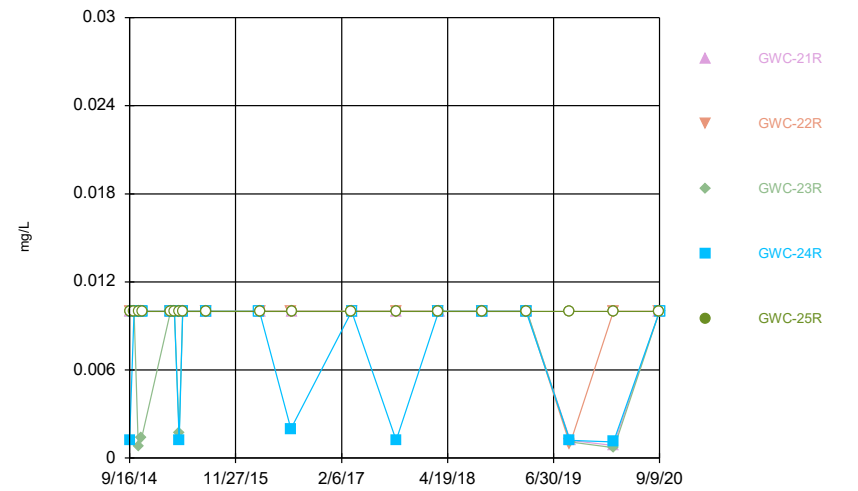
Constituent: Vanadium Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



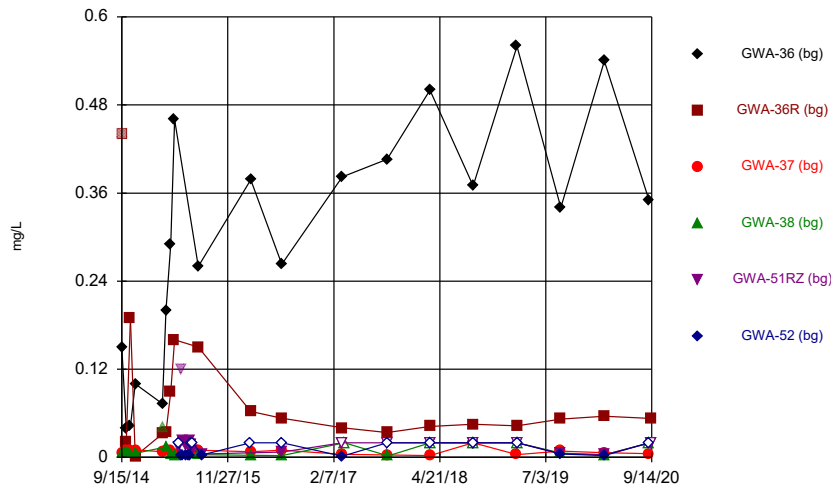
Constituent: Vanadium Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



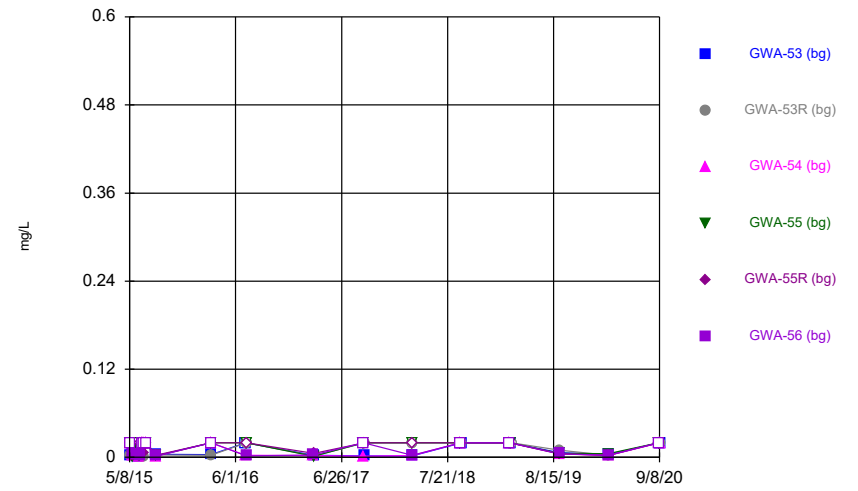
Constituent: Vanadium Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



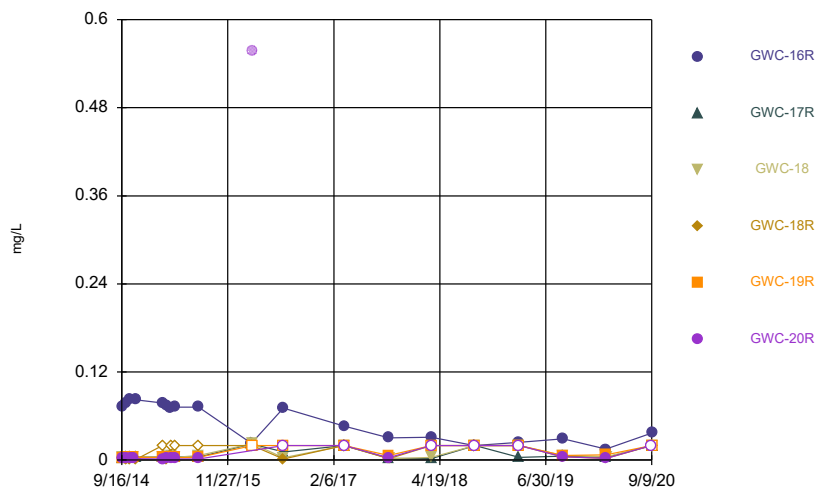
Constituent: Zinc Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



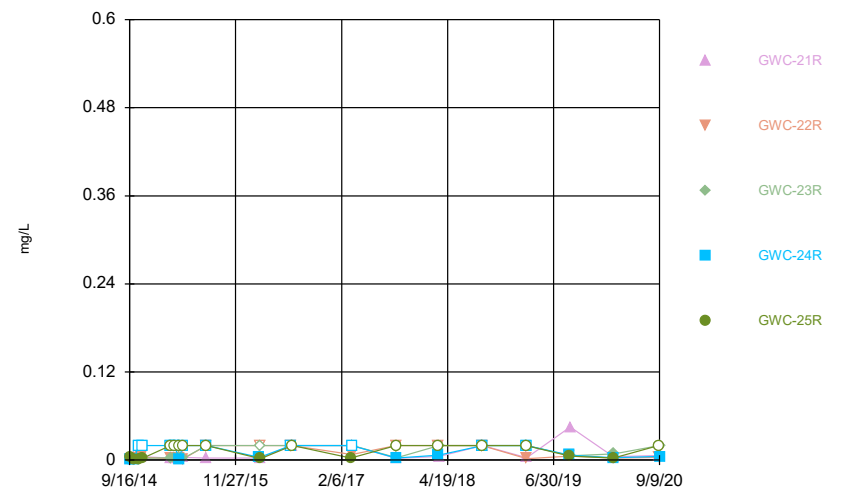
Constituent: Zinc Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



Constituent: Zinc Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



Constituent: Zinc Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.003	<0.003				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	<0.003		
10/20/2014	<0.003	<0.003	<0.003	<0.003		
11/10/2014	<0.003	<0.003	<0.003	<0.003		
3/2/2015	<0.003	<0.003	<0.003	<0.003		
3/17/2015	<0.003	<0.003	<0.003	<0.003		
4/5/2015	<0.003	<0.003	<0.003			
4/6/2015				<0.003		
4/21/2015	<0.003	<0.003				
4/22/2015			<0.003	<0.003		
5/8/2015					<0.003	<0.003
5/17/2015					<0.003	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	<0.003	<0.003	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	0.00214 (J)			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			0.00178 (J)	<0.003		
5/4/2016					0.00254 (JD)	<0.003
7/6/2016		<0.003				
7/7/2016	<0.003			<0.003	0.0033 (D)	
7/8/2016			0.0023 (J)			<0.003
9/7/2016	<0.003	<0.003	0.0039			
9/8/2016				<0.003	0.0046 (o)	<0.003
10/25/2016	<0.003	<0.003	0.0035	<0.003		
10/26/2016					0.001 (D)	<0.003
1/5/2017	<0.003	<0.003				
1/6/2017			0.0052		0.0011 (D)	<0.003
2/9/2017				<0.003		
3/14/2017		<0.003	0.003			
3/15/2017	0.0004 (J)				0.0006 (D)	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	0.0026 (J)			
5/17/2017	0.0032			<0.003		<0.003
5/18/2017					0.0009 (D)	
7/19/2017					<0.003 (D)	
9/15/2017	<0.003	<0.003	0.0016 (J)			<0.003
9/19/2017				<0.003	<0.003 (D)	
3/12/2018	<0.003	<0.003	0.0023 (J)			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	<0.003	<0.003	0.0024 (J)	<0.003		<0.003
9/7/2018					<0.003	
3/6/2019	<0.003		0.0019 (J)			
3/7/2019		<0.003		<0.003		<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.001 (J)	<0.003	0.0029 (J)	<0.003 (D)	0.0006 (J)	<0.003
3/2/2020	<0.003	<0.003	0.0018 (J)	<0.003		<0.003
3/3/2020					<0.003	
9/3/2020	0.00094 (J)		0.0012 (J)	<0.003		<0.003
9/9/2020					0.00035 (J)	
9/14/2020		<0.003				

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	<0.003	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	<0.003	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	<0.003				
7/1/2015			<0.003	<0.003	<0.003	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	<0.003	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003			
8/13/2015				<0.003	<0.003	<0.003
3/2/2016	0.000782 (J)	0.00106 (J)	<0.003	0.000608 (J)		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	0.00171 (J)		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	<0.003
9/7/2016		0.0013 (J)				
9/8/2016	0.0009 (J)		0.0019 (J)			
9/9/2016				<0.003	0.0009 (J)	<0.003
10/26/2016	0.0012 (J)		<0.003	<0.003		<0.003
10/27/2016		0.0011 (J)			<0.003	
1/6/2017		0.0013 (J)				
1/9/2017	<0.003		<0.003	<0.003	0.0023 (J)	0.0012 (J)
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	0.0029 (J)		<0.003	0.0007 (J)	
5/18/2017			<0.003	<0.003	0.0012 (J)	<0.003
5/19/2017	0.0005 (J)	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	0.0034	<0.003			<0.003
9/6/2018			0.001 (J)			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	0.0033				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	<0.003			<0.003		
3/12/2019		0.002 (J)				
9/4/2019						<0.003
9/5/2019	0.00035 (J)	0.00035 (J)	<0.003	<0.003	<0.003	
3/3/2020			0.0011 (J)	<0.003		
3/4/2020	0.0019 (J)	0.00053 (J)			<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.00065 (J)	<0.003	<0.003
9/8/2020	0.0017 (J)	0.00078 (J)	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.003					
9/17/2014		<0.003	<0.003	<0.003	<0.003	
9/18/2014						<0.003
10/4/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			<0.003		<0.003	<0.003
11/11/2014	<0.003	<0.003		<0.003		
3/3/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.003	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.003	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.003	<0.003	<0.003	<0.003		
4/24/2015					<0.003	<0.003
7/29/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	0.00472 (D)					
3/4/2016		<0.003				
3/7/2016			0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	0.000672 (J)		
5/9/2016					<0.003	<0.003
5/10/2016	0.0047	0.000641 (J)				
7/13/2016	<0.003		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		0.0012 (J)				
9/15/2016	0.0013 (J)					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	0.0021 (J)					
1/11/2017	0.0086	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	0.0187			0.0005 (J)		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	0.0097	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					<0.003	
9/21/2017	0.0078			0.0008 (J)		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	0.015	<0.003	<0.003	<0.003	<0.003	<0.003
9/7/2018	0.0026 (J)			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.02					
3/12/2019		<0.003	<0.003	0.00091 (J)	<0.003	<0.003
9/6/2019				0.00028 (J)		0.001005 (D)
9/9/2019	0.011		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	0.019				<0.003	
3/5/2020		<0.003		0.00068 (J)		<0.003
3/6/2020			0.00049 (J)			
9/4/2020						<0.003
9/9/2020	0.015	<0.003	<0.003	<0.003	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.003	<0.003
9/18/2014	<0.003	<0.003	<0.003		
10/4/2014				<0.003	<0.003
10/5/2014	<0.003	<0.003	<0.003		
10/22/2014	<0.003	<0.003	<0.003		
10/23/2014				<0.003	<0.003
11/5/2014	<0.003	<0.003	<0.003		
11/10/2014				<0.003	<0.003
3/4/2015	<0.003	<0.003	<0.003	<0.003	<0.003
3/19/2015	<0.003	<0.003			
3/20/2015			<0.003	<0.003	<0.003
4/8/2015	<0.003	<0.003	<0.003	<0.003	
4/9/2015					<0.003
4/23/2015			<0.003	<0.003	<0.003
4/24/2015	<0.003	<0.003			
7/30/2015	<0.003	<0.003	<0.003	<0.003	<0.003
3/4/2016				0.0271 (Jo)	
3/7/2016		<0.003			
3/8/2016	0.00318				0.0226 (o)
3/9/2016			0.003		
5/4/2016					0.00107 (J)
5/5/2016		<0.003		0.000761 (J)	
5/6/2016			0.000666 (J)		
5/9/2016	0.00454				
7/12/2016				0.0094 (o)	
7/14/2016		<0.003			
7/15/2016	<0.003		<0.003		
7/18/2016					0.0004 (J)
9/9/2016	0.0033				
9/12/2016		<0.003			
9/13/2016				0.0072 (o)	0.0028 (J)
9/14/2016			0.0022 (J)		
10/27/2016	0.0046	<0.003		0.005	0.0011 (J)
11/1/2016			<0.003		
1/12/2017	0.0064				
1/13/2017		<0.003		0.0012 (J)	<0.003
1/25/2017			<0.003		
3/16/2017					0.0009 (J)
3/20/2017		<0.003		0.0014 (J)	
3/21/2017	0.0058				
3/22/2017			0.0006 (J)		
5/19/2017				0.0006 (J)	<0.003
5/23/2017	0.0023 (J)	<0.003			
5/24/2017			<0.003		
9/19/2017	0.0018 (J)	<0.003		<0.003	<0.003
9/21/2017			<0.003		
3/13/2018		<0.003		0.0016 (J)	0.00093 (J)
3/14/2018	0.0063		<0.003		
9/7/2018		<0.003			
9/10/2018	0.0033				
9/11/2018			<0.003	<0.003	<0.003
3/8/2019				<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	0.0029 (J)	<0.003			
3/12/2019			<0.003		
9/5/2019		<0.003		0.00031 (JD)	<0.003
9/6/2019	0.01		0.00029 (J)		
3/3/2020	0.0019 (J)	<0.003		<0.003	<0.003
3/5/2020			<0.003		
9/4/2020					0.0013 (J)
9/8/2020	0.0041	<0.003			
9/9/2020			<0.003	0.00094 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0036 (J)				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	0.0022 (J)	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	0.0062		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					0.0021 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					0.002 (J)	<0.005
6/18/2015					0.0028 (J)	<0.005
6/24/2015					0.0074	<0.005
6/30/2015					0.0065	<0.005
7/6/2015					0.0057	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					0.0162 (o)	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005 (D)	<0.005
7/6/2016		0.0008 (J)				
7/7/2016	<0.005			<0.005	0.0009 (JD)	
7/8/2016			<0.005			<0.005
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				<0.005	<0.005 (D)	<0.005
10/25/2016	<0.005	<0.005	<0.005	<0.005		
10/26/2016					<0.005 (D)	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		<0.005 (D)	<0.005
2/9/2017				<0.005		
3/14/2017		<0.005	0.0005 (J)			
3/15/2017	<0.005				0.0006 (JD)	<0.005
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			<0.005		<0.005
5/18/2017					0.0007 (JD)	
7/19/2017					0.0061 (D)	
9/15/2017	<0.005	0.0007 (J)	<0.005			0.0006 (J)
9/19/2017				<0.005	0.0021 (JD)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.00061 (J)	0.0017 (J)	0.00063 (J)
9/6/2018	<0.005	<0.005	<0.005	0.00071 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	<0.005 (D)	0.00061 (J)	<0.005
3/2/2020	<0.005	<0.005	0.00053 (J)	0.00059 (J)		<0.005
3/3/2020					0.00073 (J)	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	0.0028 (J)	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	0.0024 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	0.0021 (J)
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	0.001 (J)	0.001 (J)
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.005	<0.005	<0.005
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			0.0006 (J)			0.0005 (J)
3/16/2017	0.0005 (J)	0.0005 (J)		0.0005 (J)	0.0007 (J)	
5/18/2017			<0.005	0.0006 (J)	0.0006 (J)	0.0006 (J)
5/19/2017	0.0007 (J)	0.0007 (J)				
9/15/2017			<0.005	0.0007 (J)		0.0008 (J)
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	0.00058 (J)	<0.005	0.00066 (J)			0.00088 (J)
9/6/2018			0.00057 (J)			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	0.00085 (J)
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	0.00039 (J)	0.00046 (J)	0.00038 (J)	0.00044 (J)	0.00042 (J)	
3/3/2020			<0.005	<0.005		
3/4/2020	0.00044 (J)	0.00043 (J)			<0.005	0.0004 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.08869 (oD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00128 (J)	<0.005				
7/13/2016	0.001 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	0.0008 (J)
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0017 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	0.0012 (J)			0.0006 (J)		
3/21/2017		0.0009 (J)			0.0007 (J)	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	<0.005	<0.005	<0.005			
9/19/2017						0.0006 (J)
9/20/2017					<0.005	
9/21/2017	0.001 (J)			<0.005		
9/22/2017		0.0008 (J)				
9/25/2017			<0.005			
3/14/2018	0.0013 (J)	0.00092 (J)	0.00091 (J)	0.00057 (J)	0.00076 (J)	0.0011 (J)
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		0.00047 (JD)
9/9/2019	0.00094 (J)		0.00099 (J)		0.00082 (J)	
9/10/2019		<0.005				
3/4/2020	0.00088 (J)				0.00072 (J)	
3/5/2020		<0.005		0.00042 (J)		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	0.0011 (J)	<0.005	<0.005	<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.005	<0.005
9/18/2014	<0.005	<0.005	<0.005		
10/4/2014				<0.005	<0.005
10/5/2014	<0.005	<0.005	<0.005		
10/22/2014	<0.005	<0.005	<0.005		
10/23/2014				<0.005	<0.005
11/5/2014	<0.005	<0.005	<0.005		
11/10/2014				<0.005	<0.005
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2015	<0.005	<0.005			
3/20/2015			<0.005	<0.005	<0.005
4/8/2015	<0.005	<0.005	<0.005	<0.005	
4/9/2015					<0.005
4/23/2015			<0.005	<0.005	<0.005
4/24/2015	<0.005	<0.005			
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/4/2016				0.0015 (J)	
3/7/2016		<0.005			
3/8/2016	0.0148 (o)				<0.005
3/9/2016			<0.005		
5/4/2016					<0.005
5/5/2016		<0.005		<0.005	
5/6/2016			<0.005		
5/9/2016	0.00347 (J)				
7/12/2016				0.0009 (J)	
7/14/2016		0.001 (J)			
7/15/2016	0.0017 (J)		<0.005		
7/18/2016					<0.005
9/9/2016	<0.005				
9/12/2016		<0.005			
9/13/2016				<0.005	<0.005
9/14/2016			<0.005		
10/27/2016	<0.005	<0.005		<0.005	<0.005
11/1/2016			<0.005		
1/12/2017	0.002 (J)				
1/13/2017		<0.005		<0.005	<0.005
1/25/2017			<0.005		
3/16/2017					0.0004 (J)
3/20/2017		0.0012 (J)		0.0013 (J)	
3/21/2017	0.0021 (J)				
3/22/2017			<0.005		
5/19/2017				0.001 (J)	0.0005 (J)
5/23/2017	<0.005	<0.005			
5/24/2017			0.0006 (J)		
9/19/2017	0.0013 (J)	0.0021 (J)		<0.005	<0.005
9/21/2017			<0.005		
3/13/2018		0.00087 (J)		0.0015 (J)	0.00073 (J)
3/14/2018	0.0033 (J)		0.0014 (J)		
9/7/2018		<0.005			
9/10/2018	<0.005				
9/11/2018			<0.005	<0.005	<0.005
3/8/2019				<0.005	<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	0.0038 (J)	0.00099 (J)			
3/12/2019			<0.005		
9/5/2019		0.0024 (J)		0.0005 (JD)	<0.005
9/6/2019	0.0024 (J)		0.00054 (J)		
3/3/2020	0.0015 (J)	0.0014 (J)		<0.005	<0.005
3/5/2020			<0.005		
9/4/2020					<0.005
9/8/2020	0.0023 (J)	0.0025 (J)			
9/9/2020			<0.005	<0.005	

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.0069	0.031				
9/16/2014			0.0071	0.014		
10/3/2014	0.0045	0.024	0.0087	0.016		
10/20/2014	0.0044	0.024	0.0085	0.014		
11/10/2014	<0.02	0.014	0.008	0.015		
3/2/2015	0.0045	0.013	0.0063	0.03 (o)		
3/17/2015	0.0078	0.013	0.0066	0.018		
4/5/2015	0.01	0.022	0.0068			
4/6/2015				0.014		
4/21/2015	0.013	0.018				
4/22/2015			0.0094	0.012		
5/8/2015					0.0094	0.033
5/17/2015					0.014	0.04
5/25/2015					0.012	0.039
6/8/2015					0.0094	0.031
6/18/2015					0.0075	0.039
6/24/2015					0.0056	0.042
6/30/2015					0.0047	0.033
7/6/2015					0.0047	0.031
7/28/2015	0.011	0.022	0.0057	0.012		
8/12/2015					0.00383 (J)	<0.02
2/29/2016						0.028
3/1/2016	0.0189	0.021	0.0101			
3/2/2016				0.0123		
5/2/2016	0.0133	0.0225				
5/3/2016			0.0104	0.0114		
5/4/2016					0.0207 (D)	0.0273
7/6/2016		0.0249				
7/7/2016	0.013			0.012	0.0207 (D)	
7/8/2016			0.0095 (J)			0.0284
9/7/2016	0.0116	0.0251	0.0095 (J)			
9/8/2016				0.0131	0.0278 (D)	0.0242
10/25/2016	0.0129	0.0274	0.0121	0.0122		
10/26/2016					0.0204 (D)	0.021
1/5/2017	0.013	0.028				
1/6/2017			0.014		0.0221 (D)	0.0219
2/9/2017				0.0104		
3/14/2017		0.02	0.009 (J)			
3/15/2017	0.0121				0.0172 (D)	0.0202
3/23/2017				0.0128		
5/16/2017		0.0221	0.0084 (J)			
5/17/2017	0.0123			0.0113		0.0219
5/18/2017					0.0181 (D)	
7/19/2017					0.018 (D)	
9/15/2017	0.0127	0.0231	0.0078 (J)			0.0209
9/19/2017				0.0114	0.0271 (D)	
3/12/2018	0.014	0.023	0.006 (J)			
3/13/2018				0.011	0.017	0.02
9/6/2018	0.013	0.024	0.0058 (J)	0.011		0.024
9/7/2018					0.022	
3/6/2019	0.018		0.0052 (J)			
3/7/2019		0.018		0.011		0.025

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.015	
9/4/2019	0.014	0.026	0.005 (J)	0.0115 (D)	0.018	0.02
3/2/2020	0.019	0.024	0.005 (J)	0.012		0.023
3/3/2020					0.017	
9/3/2020	0.014		0.0045 (J)	0.011		0.017
9/9/2020					0.017	
9/14/2020		0.03				

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.014				
5/9/2015	0.044		0.054	0.022	0.042	0.018
5/17/2015		0.015				
5/18/2015	0.04		0.058	0.031	0.063	
5/19/2015						0.02
5/25/2015	0.036	0.014	0.051			
5/26/2015				0.028	0.057	0.02
6/8/2015	0.028	0.014				
6/9/2015			0.034	0.031	0.07	0.02
6/17/2015	0.026		0.032	0.029	0.065	0.019
6/18/2015		0.013				
6/24/2015	0.021	0.014				
6/25/2015			0.032	0.024	0.068	0.019
6/30/2015	0.018	0.014				
7/1/2015			0.029	0.026	0.069	0.018
7/6/2015	0.018	0.013				
7/7/2015			0.029	0.027	0.071	0.019
8/12/2015	<0.02	0.015 (J)	<0.02	<0.02	<0.02	<0.02
3/2/2016	0.017	0.015	0.0297	0.0276		
3/3/2016					0.0424	0.0259
5/3/2016	0.016	0.0144		0.0291	0.0477	
5/4/2016			0.0299			
5/9/2016						0.0236
7/8/2016	0.0156		0.0294			
7/11/2016		0.0145		0.0225	0.0506	0.0295
9/7/2016		0.014				
9/8/2016	0.0144		0.0275			
9/9/2016				0.018	0.0478	0.0259
10/26/2016	0.0128		0.0263	0.0177		0.0231
10/27/2016		0.0142			0.0472	
1/6/2017		0.0139				
1/9/2017	0.0134		0.0263	0.0183	0.0507	0.0273
3/15/2017			0.0262			0.0286
3/16/2017	0.0129	0.0145		0.0175	0.0497	
5/18/2017			0.0276	0.0203	0.0466	0.0253
5/19/2017	0.0141	0.0161				
9/15/2017			0.0281	0.0197		0.0247
9/18/2017					0.0436	
9/19/2017	0.0127	0.0153				
3/12/2018				0.023	0.041	
3/13/2018	0.013	0.015	0.034			0.031
9/6/2018			0.04			
9/7/2018				0.025	0.039	0.034
9/11/2018	0.013	0.015				
3/7/2019			0.039		0.033	0.042
3/8/2019	0.012			0.027		
3/12/2019		0.016				
9/4/2019						0.033
9/5/2019	0.013	0.014	0.034	0.024	0.032	
3/3/2020			0.031	0.023		
3/4/2020	0.013	0.015			0.029	0.039
9/4/2020				0.022	0.032	0.033

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/8/2020	0.012	0.013	0.035			

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.069					
9/17/2014		0.019	0.035	0.015	0.018	
9/18/2014						0.031
10/4/2014	0.057	0.02	0.038	<0.02	0.017	
10/5/2014						0.032
10/21/2014	0.056	0.02	0.034	0.027 (o)	0.017	
10/22/2014						0.03
11/5/2014			0.04		0.017	0.031
11/11/2014	0.05	0.021		0.028 (o)		
3/3/2015	0.045	0.02	0.033	0.034 (o)	0.016	
3/4/2015						0.026
3/18/2015	0.044	0.019	0.031	0.014		
3/19/2015					0.015	0.028
4/6/2015	0.045	0.02				
4/7/2015			0.038	0.017	0.017	0.031
4/23/2015	0.041	0.019	0.031	0.013		
4/24/2015					0.015	0.027
7/29/2015	0.043	0.02	0.045	0.013	0.016	
7/30/2015						0.032
3/3/2016	0.0806 (D)					
3/4/2016		0.0262 (Jo)				
3/7/2016			<3 (o)	0.0129	<3 (o)	
3/8/2016						0.0298
5/5/2016			0.0278	0.0149		
5/9/2016					0.0162	0.0304
5/10/2016	0.0495	0.0204				
7/13/2016	0.0374		0.0255	0.0132		
7/14/2016		0.0198			0.0142	0.0307
9/12/2016				0.0142	0.0154	0.0331
9/13/2016			0.0251			
9/14/2016		0.0183				
9/15/2016	0.0542					
10/31/2016			0.0277		0.015	0.0321
11/1/2016		0.0209		0.0127		
11/2/2016	0.0561					
1/11/2017	0.0401	0.0194		0.0146	0.0148	
1/12/2017			0.0258			0.0291
3/20/2017	0.0383			0.0147		
3/21/2017		0.0201			0.0159	
3/22/2017						0.025
3/23/2017			0.0254			
5/22/2017				0.0146	0.0155	0.0276
5/23/2017	0.0376	0.0199	0.0247			
9/19/2017						0.034
9/20/2017					0.0164	
9/21/2017	0.0418			0.0152		
9/22/2017		0.0195				
9/25/2017			0.0228			
3/14/2018	0.036	0.02	0.025	0.014	0.016	0.03
9/7/2018	0.047			0.015		
9/10/2018					0.016	0.028
9/11/2018		0.019	0.019			

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.044					
3/12/2019		0.021	0.014	0.014	0.016	0.03
9/6/2019				0.014		0.0275 (D)
9/9/2019	0.03		0.028		0.015	
9/10/2019		0.019				
3/4/2020	0.045				0.017	
3/5/2020		0.018		0.015		0.028
3/6/2020			0.015			
9/4/2020						0.033
9/9/2020	0.051	0.018	0.016	0.014	0.014	

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				0.019	0.015
9/18/2014	0.023	0.057	0.042		
10/4/2014				0.019	0.015
10/5/2014	0.025	0.052	0.038		
10/22/2014	0.025	0.052	0.029		
10/23/2014				0.019	0.015
11/5/2014	0.025	<0.02	0.031		
11/10/2014				0.019	0.015
3/4/2015	0.024	0.046	0.03	0.021	0.016
3/19/2015	0.024	0.045			
3/20/2015			0.027	0.02	0.015
4/8/2015	0.027	0.045	0.032	0.023	
4/9/2015					0.016
4/23/2015			0.026	0.02	0.015
4/24/2015	0.025	0.039			
7/30/2015	0.025	0.039	0.029	0.021	0.015
3/4/2016				0.0422 (o)	
3/7/2016		0.026			
3/8/2016	0.0377				0.0161
3/9/2016			0.0284 (J)		
5/4/2016					0.0167
5/5/2016		0.0374		0.0249	
5/6/2016			0.0233		
5/9/2016	0.0347				
7/12/2016				0.0246	
7/14/2016		0.0271			
7/15/2016	0.0259		0.0208		
7/18/2016					0.0162
9/9/2016	0.0242				
9/12/2016		0.045			
9/13/2016				0.0236	0.0161
9/14/2016			0.0198		
10/27/2016	0.0227	0.0359		0.0229	0.016
11/1/2016			0.0207		
1/12/2017	0.0253				
1/13/2017		0.0338		0.0292	0.015
1/25/2017			0.0195		
3/16/2017					0.0163
3/20/2017		0.033		0.029	
3/21/2017	0.0292				
3/22/2017			0.0211		
5/19/2017				0.0295	0.0164
5/23/2017	0.0282	0.0287			
5/24/2017			0.0217		
9/19/2017	0.0276	0.0389		0.0248	0.0147
9/21/2017			0.0226		
3/13/2018		0.028		0.031	0.015
3/14/2018	0.024		0.024		
9/7/2018		0.055			
9/10/2018	0.016				
9/11/2018			0.023	0.024	0.015
3/8/2019				0.02	0.017

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	0.015	0.048			
3/12/2019			0.022		
9/5/2019		0.045		0.021 (D)	0.016
9/6/2019	0.041		0.021		
3/3/2020	0.022	0.044		0.02	0.015
3/5/2020			0.022		
9/4/2020					0.016
9/8/2020	0.015	0.054			
9/9/2020			0.036	0.024	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00011 (J)	0.0032				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	8.3E-05 (J)		
10/20/2014	<0.003	0.0014	<0.003	7.8E-05 (J)		
11/10/2014	<0.003	<0.003	<0.003	8E-05 (J)		
3/2/2015	<0.003	<0.003	<0.003	0.00034 (J)		
3/17/2015	0.0001 (J)	8.3E-05 (J)	<0.003	0.00014 (J)		
4/5/2015	0.00012 (J)	0.00038 (J)	<0.003			
4/6/2015				<0.003		
4/21/2015	0.00033 (J)	0.0011 (J)				
4/22/2015			8.3E-05 (J)	7.8E-05 (J)		
5/8/2015					<0.003	<0.003
5/17/2015					0.00022 (J)	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	0.00014 (J)	0.00092 (J)	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	<0.003			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			<0.003	<0.003		
5/4/2016					<0.003 (D)	<0.003
7/6/2016		0.0002 (J)				
7/7/2016	0.0001 (J)			<0.003	<0.003 (D)	
7/8/2016			<0.003			<0.003
9/7/2016	0.0001 (J)	<0.003	<0.003			
9/8/2016				<0.003	<0.003 (D)	<0.003
10/25/2016	<0.003	<0.003	<0.003	<0.003		
10/26/2016					<0.003 (D)	<0.003
1/5/2017	0.0001 (J)	0.0001 (J)				
1/6/2017			<0.003		<0.003 (D)	<0.003
2/9/2017				<0.003		
3/14/2017		0.0001 (J)	<0.003			
3/15/2017	0.0002 (J)				<0.003 (D)	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	<0.003			
5/17/2017	0.0002 (J)			<0.003		<0.003
5/18/2017					<0.003 (D)	
7/19/2017					<0.003 (D)	
9/15/2017	0.0002 (J)	<0.003	<0.003			<0.003
9/19/2017				<0.003	<0.003 (D)	
3/12/2018	0.00017 (J)	5.6E-05 (J)	<0.003			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	0.00015 (J)	<0.003	<0.003	<0.003		<0.003
9/7/2018					<0.003	
3/6/2019	0.00029 (J)		<0.003			
3/7/2019		6.8E-05 (J)		<0.003		<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.00016 (J)	<0.003	<0.003	<0.003 (D)	<0.003	<0.003
3/2/2020	0.00024 (J)	0.00015 (J)	<0.003	<0.003		<0.003
3/3/2020					<0.003	
9/3/2020	0.0002 (J)		<0.003	<0.003		<0.003
9/9/2020					<0.003	
9/14/2020		0.00012 (J)				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	0.00011 (J)	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	0.00025 (J)	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	0.00014 (J)				
7/1/2015			<0.003	<0.003	0.00024 (J)	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	0.00012 (J)	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/2/2016	<0.003	<0.003	<0.003	<0.003		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	<0.003		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	0.0001 (J)
9/7/2016		<0.003				
9/8/2016	<0.003		<0.003			
9/9/2016				<0.003	<0.003	<0.003
10/26/2016	<0.003		<0.003	<0.003		<0.003
10/27/2016		<0.003			<0.003	
1/6/2017		<0.003				
1/9/2017	<0.003		<0.003	<0.003	<0.003	<0.003
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	<0.003		<0.003	<0.003	
5/18/2017			<0.003	<0.003	<0.003	<0.003
5/19/2017	<0.003	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	<0.003	<0.003			<0.003
9/6/2018			<0.003			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	<0.003				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	5.7E-05 (J)			<0.003		
3/12/2019		<0.003				
9/4/2019						<0.003
9/5/2019	<0.003	<0.003	<0.003	<0.003	<0.003	
3/3/2020			<0.003	<0.003		
3/4/2020	<0.003	<0.003			<0.003	<0.003
9/4/2020				<0.003	<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/8/2020	5.5E-05 (J)	<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.003					
9/17/2014		<0.003	<0.003	7.8E-05 (J)	<0.003	
9/18/2014						<0.003
10/4/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			9E-05 (J)		<0.003	<0.003
11/11/2014	<0.003	<0.003		<0.003		
3/3/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.003	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.003	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.003	<0.003	7.8E-05 (J)	<0.003		
4/24/2015					<0.003	8.3E-05 (J)
7/29/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	<0.003 (D)					
3/4/2016		<0.003				
3/7/2016			<0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	<0.003		
5/9/2016					<0.003	<0.003
5/10/2016	<0.003	<0.003				
7/13/2016	<0.003		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		<0.003				
9/15/2016	<0.003					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	<0.003					
1/11/2017	<0.003	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	<0.003			<0.003		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	<0.003	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					0.0001 (J)	
9/21/2017	<0.003			<0.003		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	<0.003	<0.003	<0.003	0.00011 (J)	6.5E-05 (J)	<0.003
9/7/2018	<0.003			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.003					
3/12/2019		<0.003	<0.003	<0.003	<0.003	<0.003
9/6/2019				<0.003		<0.003 (D)
9/9/2019	<0.003		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	<0.003				0.00013 (J)	
3/5/2020		<0.003		0.00013 (J)		<0.003
3/6/2020			<0.003			
9/4/2020						<0.003
9/9/2020	<0.003	<0.003	<0.003	0.0002 (J)	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.003	<0.003
9/18/2014	<0.003	<0.003	<0.003		
10/4/2014				<0.003	<0.003
10/5/2014	<0.003	<0.003	<0.003		
10/22/2014	<0.003	<0.003	<0.003		
10/23/2014				<0.003	<0.003
11/5/2014	<0.003	<0.003	<0.003		
11/10/2014				<0.003	<0.003
3/4/2015	<0.003	<0.003	<0.003	<0.003	<0.003
3/19/2015	<0.003	<0.003			
3/20/2015			<0.003	<0.003	<0.003
4/8/2015	<0.003	<0.003	<0.003	<0.003	
4/9/2015					<0.003
4/23/2015			<0.003	<0.003	<0.003
4/24/2015	<0.003	<0.003			
7/30/2015	<0.003	<0.003	<0.003	<0.003	<0.003
3/4/2016				<0.003	
3/7/2016		<0.003			
3/8/2016	<0.003				<0.003
3/9/2016			<0.003		
5/4/2016					<0.003
5/5/2016		<0.003		<0.003	
5/6/2016			<0.003		
5/9/2016	<0.003				
7/12/2016				<0.003	
7/14/2016		<0.003			
7/15/2016	<0.003		<0.003		
7/18/2016					<0.003
9/9/2016	<0.003				
9/12/2016		<0.003			
9/13/2016				<0.003	<0.003
9/14/2016			<0.003		
10/27/2016	<0.003	<0.003		<0.003	<0.003
11/1/2016			<0.003		
1/12/2017	<0.003				
1/13/2017		<0.003		<0.003	<0.003
1/25/2017			<0.003		
3/16/2017					<0.003
3/20/2017		<0.003		<0.003	
3/21/2017	<0.003				
3/22/2017			<0.003		
5/19/2017				<0.003	<0.003
5/23/2017	<0.003	<0.003			
5/24/2017			<0.003		
9/19/2017	<0.003	<0.003		<0.003	<0.003
9/21/2017			<0.003		
3/13/2018		<0.003		<0.003	<0.003
3/14/2018	<0.003		<0.003		
9/7/2018		<0.003			
9/10/2018	<0.003				
9/11/2018			<0.003	<0.003	<0.003
3/8/2019				<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.003	<0.003			
3/12/2019			<0.003		
9/5/2019		<0.003		<0.003 (D)	<0.003
9/6/2019	<0.003		<0.003		
3/3/2020	<0.003	<0.003		<0.003	<0.003
3/5/2020			<0.003		
9/4/2020					<0.003
9/8/2020	<0.003	<0.003			
9/9/2020			<0.003	<0.003	

Time Series

Constituent: Boron (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						<0.1
3/1/2016	<0.1	<0.1	<0.1			
3/2/2016				<0.1		
5/2/2016	<0.1	<0.1				
5/3/2016			<0.1	<0.1		
5/4/2016					<0.1 (D)	<0.1
7/6/2016		0.0059 (J)				
7/7/2016	0.0081 (J)			<0.1	0.0096 (JD)	
7/8/2016			0.0067 (J)			0.009 (J)
9/7/2016	<0.1	<0.1	0.0084 (J)			
9/8/2016				<0.1	0.0137 (JD)	<0.1
10/25/2016	0.0071 (J)	0.0077 (J)	0.0089 (J)	<0.1		
10/26/2016					0.0247 (JD)	0.0077 (J)
1/5/2017	<0.1	0.0074 (J)				
1/6/2017			<0.1		0.0082 (JD)	0.0084 (J)
2/9/2017				<0.1		
3/14/2017		0.0062 (J)	<0.1			
3/15/2017	<0.1				<0.1 (D)	<0.1
3/23/2017				<0.1		
5/16/2017		<0.1	<0.1			
5/17/2017	<0.1			<0.1		<0.1
5/18/2017					0.0076 (JD)	
7/19/2017					0.0193 (JD)	
9/15/2017	<0.1	<0.1	<0.1			<0.1
9/19/2017				<0.1	0.0132 (JD)	
3/12/2018	<0.1	0.0082 (J)	0.004 (J)			
3/13/2018				<0.1	0.013 (J)	0.0084 (J)
9/6/2018	<0.1	<0.1	<0.1	<0.1		<0.1
9/7/2018					<0.1	
3/6/2019	<0.1		<0.1			
3/7/2019		0.0049 (J)		<0.1		<0.1
3/8/2019					0.0085 (J)	
9/4/2019	<0.1	<0.1	<0.1	<0.1 (D)	0.01 (J)	<0.1
3/2/2020	0.01 (J)	0.014 (J)	0.0052 (J)	<0.1		0.007 (J)
3/3/2020					0.0096 (J)	
9/3/2020	<0.1		<0.1	<0.1		<0.1
9/9/2020					0.0054 (J)	
9/14/2020		0.0065 (J)				

Time Series

Constituent: Boron (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	<0.1	<0.1	<0.1	<0.1		
3/3/2016					<0.1	<0.1
5/3/2016	<0.1	<0.1		<0.1	<0.1	
5/4/2016			<0.1			
5/9/2016						<0.1
7/8/2016	<0.1		0.0046 (J)			
7/11/2016		<0.1		0.0054 (J)	0.0047 (J)	0.0128 (J)
9/7/2016		<0.1				
9/8/2016	<0.1		0.0081 (J)			
9/9/2016				<0.1	<0.1	0.0158 (J)
10/26/2016	0.0095 (J)		0.0088 (J)	0.0144 (J)		0.0257 (J)
10/27/2016		0.0148 (J)			0.0108 (J)	
1/6/2017		<0.1				
1/9/2017	<0.1		<0.1	<0.1	<0.1	0.0219 (J)
3/15/2017			<0.1			0.0253 (J)
3/16/2017	<0.1	<0.1		<0.1	<0.1	
5/18/2017			<0.1	<0.1	<0.1	0.0249 (J)
5/19/2017	<0.1	<0.1				
9/15/2017			<0.1	<0.1		<0.1
9/18/2017					<0.1	
9/19/2017	<0.1	<0.1				
3/12/2018				0.0055 (J)	0.0041 (J)	
3/13/2018	<0.1	<0.1	0.0053 (J)			0.024 (J)
9/6/2018			<0.1			
9/7/2018				<0.1	<0.1	0.024 (J)
9/11/2018	<0.1	<0.1				
3/7/2019			<0.1		<0.1	0.02 (J)
3/8/2019	<0.1			0.0056 (J)		
3/12/2019		<0.1				
9/4/2019						0.015 (J)
9/5/2019	<0.1	<0.1	<0.1	<0.1	<0.1	
3/3/2020			0.0084 (J)	0.01 (J)		
3/4/2020	0.0064 (J)	<0.1			0.0063 (J)	0.022 (J)
9/4/2020				0.0053 (J)	<0.1	0.015 (J)
9/8/2020	0.0072 (J)	<0.1	<0.1			

Time Series

Constituent: Boron (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	<0.1 (D)					
3/4/2016		<0.1				
3/7/2016			<0.1	<0.1	<0.1	
3/8/2016						<0.1
5/5/2016			<0.1	<0.1		
5/9/2016					<0.1	<0.1
5/10/2016	<0.1	<0.1				
7/13/2016	0.0297 (J)		0.0047 (J)	0.0159 (J)		
7/14/2016		0.0069 (J)			0.0045 (J)	<0.1
9/12/2016				<0.1	<0.1	<0.1
9/13/2016			<0.1			
9/14/2016		<0.1				
9/15/2016	<0.1					
10/31/2016			0.0111 (J)		0.0086 (J)	0.007 (J)
11/1/2016		<0.1		<0.1		
11/2/2016	<0.1					
1/11/2017	<0.1	0.0078 (J)		<0.1	<0.1	
1/12/2017			<0.1			<0.1
3/20/2017	0.0092 (J)			<0.1		
3/21/2017		<0.1			<0.1	
3/22/2017						<0.1
3/23/2017			<0.1			
5/22/2017				0.0452	<0.1	<0.1
5/23/2017	<0.1	<0.1	<0.1			
9/19/2017						<0.1
9/20/2017					<0.1	
9/21/2017	<0.1			<0.1		
9/22/2017		<0.1				
9/25/2017			<0.1			
3/14/2018	0.0065 (J)	0.0051 (J)	<0.1	<0.1	0.0076 (J)	<0.1
9/7/2018	<0.1			<0.1		
9/10/2018					<0.1	<0.1
9/11/2018		<0.1	<0.1			
3/11/2019	0.013 (J)					
3/12/2019		0.0099 (J)	<0.1	<0.1	<0.1	0.0045 (J)
9/6/2019				<0.1		0.02365 (D)
9/9/2019	<0.1		<0.1		<0.1	
9/10/2019		<0.1				
3/4/2020	0.027 (J)				<0.1	
3/5/2020		<0.1		<0.1		<0.1
3/6/2020			<0.1			
9/4/2020						<0.1
9/9/2020	0.012 (J)	<0.1	<0.1	<0.1	<0.1	

Time Series

Constituent: Boron (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				<0.1	
3/7/2016		<0.1			
3/8/2016	<0.1				<0.1
3/9/2016			<0.1		
5/4/2016					<0.1
5/5/2016		<0.1		<0.1	
5/6/2016			0.0271 (J)		
5/9/2016	<0.1				
7/12/2016				0.005 (J)	
7/14/2016		0.0047 (J)			
7/15/2016	<0.1		0.0055 (J)		
7/18/2016					<0.1
9/9/2016	<0.1				
9/12/2016		<0.1			
9/13/2016				<0.1	<0.1
9/14/2016			0.0094 (J)		
10/27/2016	0.0103 (J)	0.0153 (J)		0.0093 (J)	0.0162 (J)
11/1/2016			0.008 (J)		
1/12/2017	<0.1				
1/13/2017		<0.1		<0.1	<0.1
1/25/2017			<0.1		
3/16/2017					<0.1
3/20/2017		<0.1		<0.1	
3/21/2017	<0.1				
3/22/2017			<0.1		
5/19/2017				<0.1	<0.1
5/23/2017	<0.1	<0.1			
5/24/2017			0.0133 (J)		
9/19/2017	<0.1	<0.1		<0.1	<0.1
9/21/2017			<0.1		
3/13/2018		<0.1		0.0042 (J)	<0.1
3/14/2018	0.0053 (J)		0.0056 (J)		
9/7/2018		<0.1			
9/10/2018	<0.1				
9/11/2018			<0.1	<0.1	<0.1
3/8/2019				<0.1	<0.1
3/11/2019	0.005 (J)	<0.1			
3/12/2019			0.0047 (J)		
9/5/2019		<0.1		<0.1 (D)	<0.1
9/6/2019	<0.1		<0.1		
3/3/2020	0.0096 (J)	0.0066 (J)		<0.1	<0.1
3/5/2020			<0.1		
9/4/2020					<0.1
9/8/2020	0.014 (J)	0.0084 (J)			
9/9/2020			<0.1	<0.1	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00035 (J)	0.001 (J)				
9/16/2014			<0.0025	<0.0025		
10/3/2014	<0.0025	<0.0025	<0.0025	<0.0025		
10/20/2014	<0.0025	0.00036 (J)	<0.0025	<0.0025		
11/10/2014	0.00033 (J)	<0.0025	0.00026 (J)	<0.0025		
3/2/2015	<0.0025	<0.0025	<0.0025	0.00035 (J)		
3/17/2015	0.00057 (J)	<0.0025	<0.0025	<0.0025		
4/5/2015	0.00068 (J)	<0.0025	<0.0025			
4/6/2015				<0.0025		
4/21/2015	0.0011 (J)	0.00044 (J)				
4/22/2015			<0.0025	<0.0025		
5/8/2015					<0.0025	<0.0025
5/17/2015					0.00029 (J)	<0.0025
5/25/2015					<0.0025	<0.0025
6/8/2015					<0.0025	<0.0025
6/18/2015					<0.0025	<0.0025
6/24/2015					<0.0025	<0.0025
6/30/2015					<0.0025	<0.0025
7/6/2015					<0.0025	<0.0025
7/28/2015	0.00073 (J)	0.00027 (J)	<0.0025	<0.0025		
8/12/2015					<0.0025	<0.0025
2/29/2016						<0.0025
3/1/2016	0.00103	0.000207 (J)	0.000103 (J)			
3/2/2016				0.000109 (J)		
5/2/2016	0.000846 (J)	0.000154 (J)				
5/3/2016			<0.0025	<0.0025		
5/4/2016					<0.0025 (D)	<0.0025
7/6/2016		0.0002 (J)				
7/7/2016	0.0007 (J)			<0.0025	<0.0025 (D)	
7/8/2016			<0.0025			<0.0025
9/7/2016	0.0007 (J)	0.0002 (J)	<0.0025			
9/8/2016				0.0001 (J)	<0.0025 (D)	<0.0025
10/25/2016	0.0007 (J)	0.0002 (J)	<0.0025	<0.0025		
10/26/2016					<0.0025 (D)	<0.0025
1/5/2017	0.0008 (J)	<0.0025				
1/6/2017			<0.0025		<0.0025 (D)	<0.0025
2/9/2017				0.0001 (J)		
3/14/2017		<0.0025	<0.0025			
3/15/2017	0.0013				0.00055 (D)	<0.0025
3/23/2017				0.0001 (J)		
5/16/2017		0.0001 (J)	<0.0025			
5/17/2017	0.001			0.0001 (J)		<0.0025
5/18/2017					<0.0025 (D)	
7/19/2017					<0.0025 (D)	
9/15/2017	0.0011	<0.0025	<0.0025			<0.0025
9/19/2017				<0.0025	<0.0025 (D)	
3/12/2018	0.0011	0.00013 (J)	<0.0025			
3/13/2018				<0.0025	<0.0025	<0.0025
9/6/2018	0.00086 (J)	0.00011 (J)	<0.0025	<0.0025		<0.0025
9/7/2018					<0.0025	
3/6/2019	0.0013		9.3E-05 (J)			
3/7/2019		0.00017 (J)		<0.0025		<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0025	
9/4/2019	0.00088 (J)	0.00016 (J)	<0.0025	<0.0025 (D)	<0.0025	<0.0025
3/2/2020	0.0012 (J)	0.00018 (J)	<0.0025	<0.0025		<0.0025
3/3/2020					<0.0025	
9/3/2020	0.00089 (J)		<0.0025	<0.0025		<0.0025
9/9/2020					<0.0025	
9/14/2020		0.00016 (J)				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0025				
5/9/2015	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
5/17/2015		<0.0025				
5/18/2015	<0.0025		<0.0025	<0.0025	<0.0025	
5/19/2015						<0.0025
5/25/2015	<0.0025	<0.0025	<0.0025			
5/26/2015				<0.0025	<0.0025	<0.0025
6/8/2015	<0.0025	<0.0025				
6/9/2015			<0.0025	<0.0025	<0.0025	<0.0025
6/17/2015	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
6/18/2015		<0.0025				
6/24/2015	<0.0025	<0.0025				
6/25/2015			<0.0025	<0.0025	<0.0025	<0.0025
6/30/2015	<0.0025	<0.0025				
7/1/2015			<0.0025	<0.0025	<0.0025	<0.0025
7/6/2015	<0.0025	<0.0025				
7/7/2015			<0.0025	<0.0025	<0.0025	<0.0025
8/12/2015	<0.0025	<0.0025	<0.0025			
8/13/2015				<0.0025	<0.0025	<0.0025
3/2/2016	<0.0025	<0.0025	<0.0025	<0.0025		
3/3/2016					<0.0025	<0.0025
5/3/2016	<0.0025	<0.0025		<0.0025	<0.0025	
5/4/2016			<0.0025			
5/9/2016						<0.0025
7/8/2016	<0.0025		<0.0025			
7/11/2016		<0.0025		<0.0025	<0.0025	<0.0025
9/7/2016		<0.0025				
9/8/2016	<0.0025		<0.0025			
9/9/2016				<0.0025	<0.0025	<0.0025
10/26/2016	<0.0025		<0.0025	<0.0025		<0.0025
10/27/2016		<0.0025			<0.0025	
1/6/2017		<0.0025				
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
3/15/2017			<0.0025			<0.0025
3/16/2017	<0.0025	<0.0025		<0.0025	<0.0025	
5/18/2017			<0.0025	<0.0025	<0.0025	<0.0025
5/19/2017	<0.0025	<0.0025				
9/15/2017			<0.0025	<0.0025		<0.0025
9/18/2017					<0.0025	
9/19/2017	<0.0025	<0.0025				
3/12/2018				<0.0025	<0.0025	
3/13/2018	<0.0025	<0.0025	<0.0025			<0.0025
9/6/2018			<0.0025			
9/7/2018				<0.0025	<0.0025	<0.0025
9/11/2018	<0.0025	<0.0025				
3/7/2019			<0.0025		<0.0025	<0.0025
3/8/2019	<0.0025			<0.0025		
3/12/2019		<0.0025				
9/4/2019						<0.0025
9/5/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/3/2020			<0.0025	<0.0025		
3/4/2020	<0.0025	<0.0025			<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.0025	<0.0025	<0.0025
9/8/2020	<0.0025	<0.0025	<0.0025			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.0025					
9/17/2014		<0.0025	<0.0025	<0.0025	<0.0025	
9/18/2014						<0.0025
10/4/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/5/2014						<0.0025
10/21/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/22/2014						<0.0025
11/5/2014			<0.0025		<0.0025	<0.0025
11/11/2014	<0.0025	<0.0025		<0.0025		
3/3/2015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/4/2015						<0.0025
3/18/2015	<0.0025	<0.0025	<0.0025	<0.0025		
3/19/2015					<0.0025	<0.0025
4/6/2015	<0.0025	<0.0025				
4/7/2015			<0.0025	<0.0025	<0.0025	<0.0025
4/23/2015	<0.0025	<0.0025	<0.0025	<0.0025		
4/24/2015					<0.0025	<0.0025
7/29/2015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/30/2015						<0.0025
3/3/2016	<0.0025 (D)					
3/4/2016		<0.0025				
3/7/2016			<0.0025	<0.0025	<0.0025	
3/8/2016						<0.0025
5/5/2016			<0.0025	<0.0025		
5/9/2016					<0.0025	<0.0025
5/10/2016	<0.0025	<0.0025				
7/13/2016	<0.0025		<0.0025	<0.0025		
7/14/2016		<0.0025			<0.0025	<0.0025
9/12/2016				<0.0025	<0.0025	<0.0025
9/13/2016			<0.0025			
9/14/2016		<0.0025				
9/15/2016	<0.0025					
10/31/2016			8E-05 (J)		<0.0025	<0.0025
11/1/2016		<0.0025		<0.0025		
11/2/2016	<0.0025					
1/11/2017	<0.0025	<0.0025		<0.0025	<0.0025	
1/12/2017			<0.0025			<0.0025
3/20/2017	<0.0025			<0.0025		
3/21/2017		<0.0025			<0.0025	
3/22/2017						<0.0025
3/23/2017			<0.0025			
5/22/2017				<0.0025	<0.0025	<0.0025
5/23/2017	<0.0025	<0.0025	<0.0025			
9/19/2017						<0.0025
9/20/2017					<0.0025	
9/21/2017	<0.0025			<0.0025		
9/22/2017		<0.0025				
9/25/2017			<0.0025			
3/14/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/7/2018	<0.0025			<0.0025		
9/10/2018					<0.0025	<0.0025
9/11/2018		<0.0025	<0.0025			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0025					
3/12/2019		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/6/2019				<0.0025		<0.0025 (D)
9/9/2019	<0.0025		<0.0025		<0.0025	
9/10/2019		<0.0025				
3/4/2020	<0.0025				<0.0025	
3/5/2020		<0.0025		<0.0025		<0.0025
3/6/2020			<0.0025			
9/4/2020						<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.0025	<0.0025
9/18/2014	<0.0025	<0.0025	<0.0025		
10/4/2014				<0.0025	<0.0025
10/5/2014	<0.0025	<0.0025	<0.0025		
10/22/2014	<0.0025	<0.0025	<0.0025		
10/23/2014				<0.0025	<0.0025
11/5/2014	<0.0025	<0.0025	<0.0025		
11/10/2014				<0.0025	<0.0025
3/4/2015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2015	<0.0025	<0.0025			
3/20/2015			<0.0025	<0.0025	<0.0025
4/8/2015	<0.0025	<0.0025	<0.0025	<0.0025	
4/9/2015					<0.0025
4/23/2015			<0.0025	<0.0025	<0.0025
4/24/2015	<0.0025	<0.0025			
7/30/2015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/4/2016				<0.0025	
3/7/2016		<0.0025			
3/8/2016	<0.0025				<0.0025
3/9/2016			<0.0025		
5/4/2016					<0.0025
5/5/2016		<0.0025		<0.0025	
5/6/2016			<0.0025		
5/9/2016	<0.0025				
7/12/2016				<0.0025	
7/14/2016		<0.0025			
7/15/2016	<0.0025		<0.0025		
7/18/2016					<0.0025
9/9/2016	<0.0025				
9/12/2016		<0.0025			
9/13/2016				<0.0025	<0.0025
9/14/2016			<0.0025		
10/27/2016	<0.0025	<0.0025		<0.0025	<0.0025
11/1/2016			<0.0025		
1/12/2017	<0.0025				
1/13/2017		8E-05 (J)		<0.0025	0.0001 (J)
1/25/2017			<0.0025		
3/16/2017					<0.0025
3/20/2017		<0.0025		<0.0025	
3/21/2017	<0.0025				
3/22/2017			<0.0025		
5/19/2017				<0.0025	<0.0025
5/23/2017	<0.0025	<0.0025			
5/24/2017			<0.0025		
9/19/2017	<0.0025	<0.0025		<0.0025	<0.0025
9/21/2017			<0.0025		
3/13/2018		<0.0025		<0.0025	<0.0025
3/14/2018	<0.0025		<0.0025		
9/7/2018		<0.0025			
9/10/2018	0.00021 (J)				
9/11/2018			<0.0025	<0.0025	<0.0025
3/8/2019				<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.0025	<0.0025			
3/12/2019			<0.0025		
9/5/2019		<0.0025		<0.0025 (D)	<0.0025
9/6/2019	<0.0025		<0.0025		
3/3/2020	<0.0025	<0.0025		<0.0025	<0.0025
3/5/2020			<0.0025		
9/4/2020					<0.0025
9/8/2020	<0.0025	<0.0025			
9/9/2020			<0.0025	<0.0025	

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						30
3/1/2016	20	32	0.98			
3/2/2016				2		
5/2/2016	19.6	30				
5/3/2016			1.12	2.68		
5/4/2016					43.4 (D)	30
7/6/2016		29.2				
7/7/2016	19.3			2.21	40.1 (D)	
7/8/2016			1			30.1
9/7/2016	19.9	28.4	0.858			
9/8/2016				1.8	37.1 (D)	26.8
10/25/2016	19.3	30.8	0.859	1.15		
10/26/2016					38.8 (D)	26.9
1/5/2017	21	32.6				
1/6/2017			1		39.6 (D)	27.6
2/9/2017				0.495 (J)		
3/14/2017		29.1	0.844			
3/15/2017	13.4				36.1 (D)	26.2
3/23/2017				0.543		
5/16/2017		28.5	0.922			
5/17/2017	16.8			0.889		27.6
5/18/2017					40.1 (D)	
7/19/2017					46.9 (D)	
9/15/2017	13.9	29.1	0.85			27.7
9/19/2017				1.28	47.7 (D)	
3/12/2018	11.8 (J)	30.6	0.81			
3/13/2018				1.4	46.1 (D)	26.2
9/6/2018	13.5 (J)	26.1	0.79	1.6		27.9
9/7/2018					44.2	
3/6/2019	11.2 (J)		0.78			
3/7/2019		28		2.6		29.5
3/8/2019					46.6	
9/4/2019	13.3	27.9	0.76	1.65 (D)	40.7	28.1
3/2/2020	12.5	35.2	0.77 (J)	2.5		33.7
3/3/2020					47.6	
9/3/2020	15.7		0.73 (J)	1		28.9
9/9/2020					44.1	
9/14/2020		32.4				

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	29	29	27	38		
3/3/2016					36	36
5/3/2016	31.2	31		48.7	39.1	
5/4/2016			27.6			
5/9/2016						39
7/8/2016	30		25.7			
7/11/2016		28.2		34.8	31.6	35.7
9/7/2016		27.6				
9/8/2016	28.6		26.3			
9/9/2016				32.1	29.8	32
10/26/2016	25.5		24	32.9		28.5
10/27/2016		26.5			28.9	
1/6/2017		26				
1/9/2017	26.1		24.1	32.5	27.9	27.5
3/15/2017			24.1			24.8
3/16/2017	26.7	26.6		30.8	28.2	
5/18/2017			26.7	37.2	31.3	26.9
5/19/2017	29.2	30.9				
9/15/2017			25.1	38.5		19.6
9/18/2017					29.7	
9/19/2017	26.9	28.5				
3/12/2018				39.6	38.2	
3/13/2018	28.6	29.3	24.3 (J)			26
9/6/2018			25.6			
9/7/2018				45.2	40.3	25.1
9/11/2018	27.3	26.3				
3/7/2019			23.8 (J)		40.4	33.3
3/8/2019	25.9			45.2		
3/12/2019		28				
9/4/2019						31.6
9/5/2019	29.3	29	24.6	46.2	34.6	
3/3/2020			27.1	40.1		
3/4/2020	31.2	31.6			39.9	38
9/4/2020				47.2	34.4	34.5
9/8/2020	28.5	29.4	24.5			

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	52 (D)					
3/4/2016		69				
3/7/2016			16	30	30	
3/8/2016						40
5/5/2016			17.2	29.6		
5/9/2016					32.6	43.8
5/10/2016	57.6	72.9				
7/13/2016	49		12.3	27.8		
7/14/2016		58.2			25.6	36
9/12/2016				29.1	29.6	42.1
9/13/2016			17.8			
9/14/2016		62.2				
9/15/2016	55.4					
10/31/2016			6.22		26.5	43.4
11/1/2016		62.5		26.2		
11/2/2016	54.8					
1/11/2017	51.6	63.9		25.2	28.5	
1/12/2017			16.6			39.1
3/20/2017	52.5			29.9		
3/21/2017		63.8			29.1	
3/22/2017						37
3/23/2017			19.6			
5/22/2017				28.9	28.2	36.8
5/23/2017	58.7	62	21			
9/19/2017						37.7
9/20/2017					32.1	
9/21/2017	63.8			30.8		
9/22/2017		67.2				
9/25/2017			17			
3/14/2018	60.6	65.6	23.4 (J)	27.6	30.7	35.9
9/7/2018	62.4			29.5		
9/10/2018					30.7	31.6
9/11/2018		63.2	18.1 (J)			
3/11/2019	63.8					
3/12/2019		65.3	23.2 (J)	28.6	31.1	35.2
9/6/2019				27.5		32.35 (D)
9/9/2019	55.7		15.2		29.6	
9/10/2019		66.7				
3/4/2020	60.6				34	
3/5/2020		71.4		32		38.9
3/6/2020			23.5			
9/4/2020						40.2
9/9/2020	57.1	63.2	15.3	28.5	30.5	

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				32	
3/7/2016		32			
3/8/2016	63				34
3/9/2016			55		
5/4/2016					36
5/5/2016		32.2		34.6	
5/6/2016			62.4		
5/9/2016	50.8				
7/12/2016				29.6	
7/14/2016		26.8			
7/15/2016	48.2		49.5		
7/18/2016					31.7
9/9/2016	56.9				
9/12/2016		31.1			
9/13/2016				31.1	32.5
9/14/2016			54.4		
10/27/2016	57.9	29.2		32.8	30.9
11/1/2016			52.8		
1/12/2017	60.5				
1/13/2017		30		34	31.2
1/25/2017			57.2		
3/16/2017					29
3/20/2017		32		33.4	
3/21/2017	63.7				
3/22/2017			58.1		
5/19/2017				33.2	33.9
5/23/2017	60	27.5			
5/24/2017			64		
9/19/2017	58.9	30.3		29.5	31.3
9/21/2017			61.1		
3/13/2018		32.1		30.8	33.3
3/14/2018	65.6		59.9		
9/7/2018		32.7			
9/10/2018	61.7				
9/11/2018			60.2	29.1	30.9
3/8/2019				28.8	33.1
3/11/2019	67.1	33.9			
3/12/2019			61.6		
9/5/2019		31.8		29.6 (D)	34.6
9/6/2019	57.8		55.9		
3/3/2020	70.2	37.2		33.3	37.6
3/5/2020			63.7		
9/4/2020					36.6
9/8/2020	61.9	34.7			
9/9/2020			57.6	31.5	

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						2.9988
3/1/2016	2.4587	3.096	1.2389			
3/2/2016				2.4559		
5/2/2016	2.28	2.92				
5/3/2016			1.22	2.49		
5/4/2016					2.83 (D)	1.83
7/6/2016		3.2				
7/7/2016	2.4			2.5	3.1 (D)	
7/8/2016			1.2			2.2
9/7/2016	2.3	3.4	1			
9/8/2016				2.2	3 (D)	2.2
10/25/2016	2	3.4	1.2	2.5		
10/26/2016					3 (D)	2.2
1/5/2017	2.5 (J)	3.3				
1/6/2017			0.97		3.2 (D)	2.1
2/9/2017				2		
3/14/2017		2.9	1			
3/15/2017	2.1				2.8 (D)	2.3
3/23/2017				2.2		
5/16/2017		2.9	0.9			
5/17/2017	1.8			2.4		1.9
5/18/2017					3 (D)	
7/19/2017					4.1 (D)	
9/15/2017	2.1	2.7	1.1			2.1
9/19/2017				2.5	3.6 (D)	
3/12/2018	2.2	3.2	1.1			
3/13/2018				2.4	3.3	3
9/6/2018	2	2.7	1	2.7		1.9
9/7/2018					3.3	
3/6/2019	2.4		<1.2			
3/7/2019		2.8		2.9		3.6
3/8/2019					3.4	
9/4/2019	2	2.7	0.81 (J)	2.9	2.7	1.3
3/2/2020	2.1	2.4	0.78 (J)	2.5		4.9
3/3/2020					2.6	
9/3/2020	1.9		0.82 (J)	2.9		1.4
9/9/2020					2.6	
9/14/2020		2.9				

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	2.3976	2.556	1.4496	2.815		
3/3/2016					2.6912	8.0925
5/3/2016	2.54	2.59		3.27	2.7	
5/4/2016			1.42			
5/9/2016						2.99
7/8/2016	2.6		1.6			
7/11/2016		2.6		3.2	2.7	4.4
9/7/2016		2.6				
9/8/2016	2.5		1.2			
9/9/2016				3	2.5	5.6
10/26/2016	2.6		1.4	2.9		6.5
10/27/2016		3			3	
1/6/2017		2.5				
1/9/2017	2.5		1.5	2.9	3.1	6.7
3/15/2017			1.1			7.8
3/16/2017	2.4	2.5		2.9	2.7	
5/18/2017			1.3	2.9	3.2	7.1
5/19/2017	2.3	2.3				
9/15/2017			1.2	3.2		8.4
9/18/2017					3	
9/19/2017	2.3	2.4				
3/12/2018				3.6	3.2	
3/13/2018	2.7	2.6	0.93			6.9
9/6/2018			1.1			
9/7/2018				3.8	3.3	6.9
9/11/2018	2.4	2.4				
3/7/2019			<1.2		3.2	6
3/8/2019	2.7			3.4		
3/12/2019		3.3				
9/4/2019						4.8
9/5/2019	2.3	2.4	0.81 (J)	2.9	2.9	
3/3/2020			0.77 (J)	2.7		
3/4/2020	2.2	2.3			2.6	4.5
9/4/2020				3	2.5	4.1
9/8/2020	2.3	2.3	0.8 (J)			

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	1.3707 (D)					
3/4/2016		6.4905				
3/7/2016			2.0446	2.2698	2.3254	
3/8/2016						1.2699
5/5/2016			2.28	2.48		
5/9/2016					2.48	1.39
5/10/2016	1.41	7.1				
7/13/2016	1.7		2.2	2.5		
7/14/2016		6.4			2.5	1.7
9/12/2016				2.5	2.5	1.6
9/13/2016			2			
9/14/2016		6				
9/15/2016	1.9					
10/31/2016			2.3		3	1.9
11/1/2016		7		2.9		
11/2/2016	2.3					
1/11/2017	2	6		2.5	2.5	
1/12/2017			1.9			1.8
3/20/2017	2.2			2.2		
3/21/2017		6.1			2.3	
3/22/2017						2
3/23/2017			2.2			
5/22/2017				2.3	2.4	1.9
5/23/2017	2	6	2			
9/19/2017						1.9
9/20/2017					2.4	
9/21/2017	2.3			2.3		
9/22/2017		6.2				
9/25/2017			2.1			
3/14/2018	2.1	6.1	2.1	2.2	2.2	2
9/7/2018	2.1			2.3		
9/10/2018					2.1	1.6
9/11/2018		6.7	2.3			
3/11/2019	2.4					
3/12/2019		6.9	2.8	3.3	2.8	2.7
9/6/2019				2.3		1.6 (D)
9/9/2019	1.1		2		2.3	
9/10/2019		4.5				
3/4/2020	0.79 (J)				2.3	
3/5/2020		4.5		2.2		1.5
3/6/2020			2.2			
9/4/2020						1.5
9/9/2020	1 (J)	4.3	2.1	2.3	2.4	

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				2.7291	
3/7/2016		2.6729			
3/8/2016	4.2184				2.5307
3/9/2016			1.5349		
5/4/2016					2.76
5/5/2016		2.81		2.54	
5/6/2016			1.63		
5/9/2016	3.08				
7/12/2016				2.6	
7/14/2016		2.8			
7/15/2016	3.8		2		
7/18/2016					2.8
9/9/2016	3.9				
9/12/2016		2.8			
9/13/2016				2.5	2.7
9/14/2016			2		
10/27/2016	4.7	3.3		3.1	3.2
11/1/2016			2.4		
1/12/2017	4.2				
1/13/2017		2.7		2.7	2.6
1/25/2017			2.1		
3/16/2017					2.6
3/20/2017		2.8		2.6	
3/21/2017	4.2				
3/22/2017			2.2		
5/19/2017				2.5	2.6
5/23/2017	4.1	2.6			
5/24/2017			2		
9/19/2017	4.4	2.6		2.3	2.4
9/21/2017			2.4		
3/13/2018		2.8		<1.2	2.7
3/14/2018	4.4		2.2		
9/7/2018		2.7			
9/10/2018	3.9				
9/11/2018			2.4	2.3	2.4
3/8/2019				2.6	2.8
3/11/2019	4.2	3.2			
3/12/2019			2.4		
9/5/2019		2.7		2.2	2.5
9/6/2019	3.5		1.4		
3/3/2020	3.9	2.5		2.1	2.4
3/5/2020			1.3		
9/4/2020					2.5
9/8/2020	4.1	2.6			
9/9/2020			2	2.5	

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.0028				
9/16/2014			0.0015	0.0026		
10/3/2014	<0.01	<0.01	0.0015	0.0021		
10/20/2014	<0.01	0.0029	0.0011 (J)	0.0023		
11/10/2014	<0.01	0.0017	<0.01	0.0022		
3/2/2015	<0.01	<0.01	<0.01	0.0021		
3/17/2015	<0.01	<0.01	<0.01	0.0022		
4/5/2015	<0.01	<0.01	<0.01			
4/6/2015				0.0016		
4/21/2015	0.0011 (J)	0.0018				
4/22/2015			<0.01	0.0013		
5/8/2015					0.036 (o)	<0.01
5/17/2015					0.029 (o)	<0.01
5/25/2015					0.029 (o)	<0.01
6/8/2015					0.015	0.0013
6/18/2015					0.016	<0.01
6/24/2015					0.02	0.0013
6/30/2015					0.02	<0.01
7/6/2015					0.015	<0.01
7/28/2015	<0.01	0.0015	<0.01	0.0014		
8/12/2015					0.0139	<0.01
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
5/2/2016	0.00385 (J)	<0.01				
5/3/2016			<0.01	<0.01		
5/4/2016					<0.01 (D)	<0.01
7/6/2016		0.0005 (J)				
7/7/2016	0.0004 (J)			0.002 (J)	0.0005 (JD)	
7/8/2016			<0.01			0.0014 (J)
9/7/2016	<0.01	<0.01	<0.01			
9/8/2016				0.001 (J)	<0.01 (D)	<0.01
10/25/2016	<0.01	<0.01	<0.01	0.0028 (J)		
10/26/2016					<0.01 (D)	0.0011 (J)
1/5/2017	<0.01	<0.01				
1/6/2017			<0.01		<0.01 (D)	0.0011 (J)
2/9/2017				0.0012 (J)		
3/14/2017		0.0008 (J)	0.0006 (J)			
3/15/2017	0.0007 (J)				<0.01 (D)	0.0014 (J)
3/23/2017				<0.01		
5/16/2017		<0.01	<0.01			
5/17/2017	0.0004 (J)			0.0019 (J)		0.0011 (J)
5/18/2017					<0.01 (D)	
7/19/2017					<0.01 (D)	
9/15/2017	<0.01	<0.01	<0.01			0.001 (J)
9/19/2017				0.0022 (J)	<0.01 (D)	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				0.0017 (J)	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.01	
9/4/2019	<0.01	0.0013 (J)	<0.01	0.00155 (JD)	<0.01	0.00096 (J)
3/2/2020	<0.01	0.00047 (J)	<0.01	0.0014 (J)		0.0011 (J)
3/3/2020					<0.01	
9/3/2020	<0.01		<0.01	0.0013 (J)		0.0011 (J)
9/9/2020					<0.01	
9/14/2020		<0.01				

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		<0.01	<0.01	<0.01	
5/19/2015						<0.01
5/25/2015	<0.01	<0.01	0.0011 (J)			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	0.0017	<0.01
6/17/2015	<0.01		0.0014	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			0.001 (J)	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0011 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			0.0011 (J)	<0.01	<0.01	<0.01
8/12/2015	<0.01	<0.01	0.0011 (J)			
8/13/2015				<0.01	<0.01	<0.01
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
5/3/2016	<0.01	<0.01		<0.01	<0.01	
5/4/2016			<0.01			
5/9/2016						<0.01
7/8/2016	0.0007 (J)		0.0014 (J)			
7/11/2016		<0.01		0.0006 (J)	<0.01	0.0005 (J)
9/7/2016		<0.01				
9/8/2016	<0.01		0.0015 (J)			
9/9/2016				<0.01	<0.01	<0.01
10/26/2016	<0.01		0.0016 (J)	<0.01		<0.01
10/27/2016		<0.01			<0.01	
1/6/2017		<0.01				
1/9/2017	<0.01		0.0013 (J)	<0.01	<0.01	<0.01
3/15/2017			0.0019 (J)			<0.01
3/16/2017	0.001 (J)	0.0011 (J)		0.0008 (J)	0.0018 (J)	
5/18/2017			0.0012 (J)	0.001 (J)	<0.01	0.0011 (J)
5/19/2017	0.0006 (J)	0.0007 (J)				
9/15/2017			0.0012 (J)	0.0007 (J)		<0.01
9/18/2017					<0.01	
9/19/2017	0.0006 (J)	0.0006 (J)				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						0.0014 (J)
9/5/2019	0.00065 (J)	0.00055 (J)	0.0016 (J)	0.00092 (J)	<0.01	
3/3/2020			0.0017 (J)	0.00085 (J)		
3/4/2020	0.00076 (J)	0.0012 (J)			0.00079 (J)	<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0012 (J)	<0.01	0.0012 (J)
9/8/2020	<0.01	<0.01	0.0014 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0033					
9/17/2014		<0.01	<0.01	<0.01	<0.01	
9/18/2014						<0.01
10/4/2014	0.0011 (J)	<0.01	0.0034	0.025 (o)	0.001 (J)	
10/5/2014						<0.01
10/21/2014	<0.01	<0.01	<0.01	0.024 (o)	0.0011 (J)	
10/22/2014						<0.01
11/5/2014			0.0042		0.001 (J)	0.001 (J)
11/11/2014	<0.01	0.0014		0.025 (o)		
3/3/2015	<0.01	0.001 (J)	0.0038	0.029 (o)	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	0.0031	<0.01		
3/19/2015					<0.01	<0.01
4/6/2015	<0.01	<0.01				
4/7/2015			0.0037	0.008	<0.01	<0.01
4/23/2015	0.001 (J)	<0.01	0.0033	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	0.0033	<0.01	<0.01	
7/30/2015						0.001 (J)
3/3/2016	<0.01 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01 (o)	<0.01	<0.01	
3/8/2016						<0.01
5/5/2016			0.00385 (J)	<0.01		
5/9/2016					<0.01	<0.01
5/10/2016	<0.01	<0.01				
7/13/2016	0.0008 (J)		0.0029 (J)	0.0006 (J)		
7/14/2016		0.0035 (J)			0.0005 (J)	0.0008 (J)
9/12/2016				<0.01	<0.01	<0.01
9/13/2016			0.0029 (J)			
9/14/2016		<0.01				
9/15/2016	<0.01					
10/31/2016			0.0017 (J)		<0.01	<0.01
11/1/2016		<0.01		<0.01		
11/2/2016	<0.01					
1/11/2017	0.0012 (J)	<0.01		<0.01	<0.01	
1/12/2017			0.0025 (J)			0.0011 (J)
3/20/2017	0.0013 (J)			0.0005		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01 (o)			
5/22/2017				0.0005	0.0005 (J)	0.0007 (J)
5/23/2017	0.0007 (J)	0.0021 (J)	0.0029 (J)			
9/19/2017						0.0006 (J)
9/20/2017					0.0008 (J)	
9/21/2017	<0.01			0.0008		
9/22/2017		<0.01				
9/25/2017			0.0018 (J)			
3/14/2018	<0.01	<0.01	0.0021 (J)	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	0.0017 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				0.00053 (J)		0.00071 (JD)
9/9/2019	<0.01		0.001 (J)		0.00056 (J)	
9/10/2019		<0.01				
3/4/2020	0.0014 (J)				0.001 (J)	
3/5/2020		0.00063 (J)		0.0007 (J)		0.00075 (J)
3/6/2020			0.0019 (J)			
9/4/2020						0.00078 (J)
9/9/2020	0.00056 (J)	<0.01	0.001 (J)	<0.01	<0.01	

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.01	<0.01
9/18/2014	0.001 (J)	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	0.0013	<0.01	<0.01		
10/22/2014	0.0016	<0.01	<0.01		
10/23/2014				<0.01	<0.01
11/5/2014	0.0013	<0.01	0.0013		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	<0.01	<0.01	0.0012 (J)	<0.01	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	0.001 (J)	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	<0.01				<0.01
3/9/2016			<0.01		
5/4/2016					<0.01
5/5/2016		<0.01		<0.01	
5/6/2016			<0.01		
5/9/2016	<0.01				
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	<0.01		0.0005 (J)		
7/18/2016					0.0005 (J)
9/9/2016	<0.01				
9/12/2016		<0.01			
9/13/2016				<0.01	<0.01
9/14/2016			<0.01		
10/27/2016	<0.01	<0.01		<0.01	<0.01
11/1/2016			<0.01		
1/12/2017	<0.01				
1/13/2017		<0.01		<0.01	<0.01
1/25/2017			0.0023 (J)		
3/16/2017					0.0008 (J)
3/20/2017		0.0004 (J)		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
5/19/2017				<0.01	0.0006 (J)
5/23/2017	0.0004 (J)	0.0005 (J)			
5/24/2017			0.0011 (J)		
9/19/2017	0.0006 (J)	<0.01		<0.01	0.0007 (J)
9/21/2017			0.0014 (J)		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	<0.01		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		<0.01		<0.01 (D)	0.00044 (J)
9/6/2019	0.00078 (J)		<0.01		
3/3/2020	0.00058 (J)	0.00057 (J)		0.00052 (J)	0.00078 (J)
3/5/2020			0.00086 (J)		
9/4/2020					0.00073 (J)
9/8/2020	0.0013 (J)	<0.01			
9/9/2020			<0.01	<0.01	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0039				
9/16/2014			0.00077 (J)	0.0028		
10/3/2014	<0.005	<0.005	0.0013	0.0029		
10/20/2014	<0.005	0.0014	0.001 (J)	0.0022		
11/10/2014	<0.005	<0.005	<0.005	0.0022		
3/2/2015	<0.005	<0.005	<0.005			
3/17/2015	<0.005	<0.005	<0.005	0.0044		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				0.002		
4/21/2015	0.00055 (J)	0.0012 (J)				
4/22/2015			<0.005	0.0016		
5/8/2015					<0.005	<0.005
5/17/2015					0.00059 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	0.0012 (J)	<0.005	0.0017		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.00202 (J)			
3/2/2016				<0.01 (o)		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.01 (o)		
5/4/2016					<0.005 (D)	<0.005
7/6/2016		<0.005				
7/7/2016	<0.005			0.0015 (J)	<0.005 (D)	
7/8/2016			0.0004 (J)			<0.005
9/7/2016	<0.005	<0.005	0.0009 (J)			
9/8/2016				0.0018 (J)	<0.005 (D)	<0.005
10/25/2016	<0.005	<0.005	0.0022 (J)	0.0019 (J)		
10/26/2016					<0.005 (D)	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			0.0011 (J)		<0.005 (D)	<0.005
2/9/2017				0.0017 (J)		
3/14/2017		<0.005	0.0009 (J)			
3/15/2017	<0.005				<0.005 (D)	<0.005
3/23/2017				0.0018 (J)		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			0.0016 (J)		<0.005
5/18/2017					<0.005 (D)	
7/19/2017					<0.005 (D)	
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				0.0012 (J)	<0.005 (D)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.0013 (J)	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	0.00094 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		0.00087 (J)		<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	0.000935 (JD)	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	0.0011 (J)		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	0.00091 (J)		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		0.00057 (J)	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		0.00055 (J)	0.00071 (J)	0.001 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				0.00067 (J)	0.00052 (J)	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	0.001 (J)	0.00087 (J)	<0.005
6/17/2015	<0.005		<0.005	0.00093 (J)	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	0.00059 (J)	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	0.00059 (J)	0.0006 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	0.00091 (J)	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				0.0006 (J)	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	0.00715 (J)		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		0.00349 (J)	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		0.0007 (J)	0.001 (J)	<0.005
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.005	0.0006 (J)	<0.005
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		0.0006 (J)	<0.005	
5/18/2017			<0.005	<0.005	<0.005	<0.005
5/19/2017	<0.005	<0.005				
9/15/2017			<0.005	<0.005		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				0.0034 (J)	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			0.0044 (J)		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			<0.005	0.0048 (J)		
3/4/2020	<0.005	<0.005			<0.005	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0012 (J)	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0026					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0015	<0.005	<0.005	0.00063 (J)	<0.005	
10/5/2014						<0.005
10/21/2014	0.00099 (J)	<0.005	<0.005	0.00058 (J)	<0.005	
10/22/2014						<0.005
11/5/2014			0.0005 (J)		<0.005	<0.005
11/11/2014	0.00097 (J)	<0.005		0.00058 (J)		
3/3/2015	0.00078 (J)	<0.005	<0.005	0.00056 (J)	<0.005	
3/4/2015						<0.005
3/18/2015	0.00081 (J)	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0011 (J)	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	0.0007 (J)	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	0.00076 (J)	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.00451 (JD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00478 (J)	<0.005				
7/13/2016	0.0003 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0018 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	0.0022 (J)					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	0.001 (J)	<0.005	<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	0.0006 (J)			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	0.00058 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	0.0034 (J)			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005 (D)
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	0.00069 (J)	<0.005	<0.005	<0.005	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.005	0.0006 (J)
9/18/2014	<0.005	<0.005	<0.005		
10/4/2014				<0.005	<0.005
10/5/2014	<0.005	<0.005	<0.005		
10/22/2014	<0.005	<0.005	<0.005		
10/23/2014				<0.005	<0.005
11/5/2014	<0.005	<0.005	<0.005		
11/10/2014				<0.005	<0.005
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2015	<0.005	<0.005			
3/20/2015			<0.005	<0.005	<0.005
4/8/2015	<0.005	<0.005	<0.005	<0.005	
4/9/2015					<0.005
4/23/2015			<0.005	<0.005	<0.005
4/24/2015	<0.005	<0.005			
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/4/2016				<0.005	
3/7/2016		<0.005			
3/8/2016	0.0183 (J)				<0.005
3/9/2016			<0.005		
5/4/2016					<0.005
5/5/2016		<0.005		<0.005	
5/6/2016			<0.005		
5/9/2016	0.00239 (J)				
7/12/2016				<0.005	
7/14/2016		<0.005			
7/15/2016	0.0008 (J)		<0.005		
7/18/2016					<0.005
9/9/2016	<0.005				
9/12/2016		<0.005			
9/13/2016				<0.005	<0.005
9/14/2016			<0.005		
10/27/2016	<0.005	<0.005		<0.005	<0.005
11/1/2016			<0.005		
1/12/2017	<0.005				
1/13/2017		<0.005		<0.005	<0.005
1/25/2017			<0.005		
3/16/2017					<0.005
3/20/2017		<0.005		<0.005	
3/21/2017	0.0005 (J)				
3/22/2017			<0.005		
5/19/2017				<0.005	<0.005
5/23/2017	<0.005	<0.005			
5/24/2017			<0.005		
9/19/2017	<0.005	0.0012 (J)		<0.005	<0.005
9/21/2017			<0.005		
3/13/2018		<0.005		<0.005	<0.005
3/14/2018	0.00083 (J)		<0.005		
9/7/2018		<0.005			
9/10/2018	0.00071 (J)				
9/11/2018			<0.005	<0.005	<0.005
3/8/2019				<0.005	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	0.00056 (J)	<0.005			
3/12/2019			<0.005		
9/5/2019		0.0012 (J)		<0.005 (D)	<0.005
9/6/2019	0.00051 (J)		<0.005		
3/3/2020	<0.005	0.00078 (J)		<0.005	<0.005
3/5/2020			<0.005		
9/4/2020					0.0012 (J)
9/8/2020	<0.005	0.00087 (J)			
9/9/2020			<0.005	<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.025	0.0049 (J)				
9/16/2014			0.018	<0.025		
10/3/2014	<0.025	<0.025	0.021	0.00089 (J)		
10/20/2014	<0.025	0.0024 (J)	0.022	0.00087 (J)		
11/10/2014	<0.025	<0.025	0.02	<0.025		
3/2/2015	<0.025	<0.025	0.015	0.004 (J)		
3/17/2015	<0.025	<0.025	0.016	0.0016 (J)		
4/5/2015	<0.025	<0.025	0.016			
4/6/2015				0.00083 (J)		
4/21/2015	0.00095 (J)	0.0017 (J)				
4/22/2015			0.013	0.00085 (J)		
5/8/2015					<0.025	<0.025
5/17/2015					0.0015 (J)	<0.025
5/25/2015					<0.025	<0.025
6/8/2015					<0.025	<0.025
6/18/2015					<0.025	<0.025
6/24/2015					0.0012 (J)	0.00082 (J)
6/30/2015					0.00096 (J)	<0.025
7/6/2015					0.00091 (J)	<0.025
7/28/2015	<0.025	0.00097 (J)	0.02	<0.025		
8/12/2015					<0.025	<0.025
2/29/2016						<0.025
3/1/2016	<0.025	<0.025	0.0103 (J)			
3/2/2016				<0.025		
7/6/2016		<0.025				
7/7/2016	<0.025			<0.025	0.0066 (JD)	
7/8/2016			0.0152 (J)			<0.025
3/14/2017		0.0003 (J)	0.0085 (J)			
3/15/2017	<0.025				<0.025 (D)	<0.025
3/23/2017				<0.025		
9/15/2017	<0.025	<0.025	0.0058 (J)			<0.025
9/19/2017				0.0004 (J)	<0.025 (D)	
3/12/2018	<0.025	<0.025	0.0053 (J)			
3/13/2018				<0.025	<0.025	<0.025
9/6/2018	<0.025	<0.025	0.0054 (J)	<0.025		<0.025
9/7/2018					<0.025	
3/6/2019	<0.025		<0.025			
3/7/2019		<0.025		<0.025		<0.025
3/8/2019					<0.025	
9/4/2019	0.00023 (J)	<0.025	0.0082 (J)	<0.025 (D)	<0.025	<0.025
3/2/2020	<0.025	0.00043 (J)	0.0068 (J)	0.00019 (J)		0.00024 (J)
3/3/2020					0.00041 (J)	
9/3/2020	<0.025		0.0067 (J)	<0.025		<0.025
9/9/2020					0.0019 (J)	
9/14/2020		<0.025				

Time Series

Constituent: Copper (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.025				
5/9/2015	<0.025		<0.025	<0.025	<0.025	<0.025
5/17/2015		<0.025				
5/18/2015	<0.025		<0.025	<0.025	0.00093 (J)	
5/19/2015						<0.025
5/25/2015	<0.025	<0.025	<0.025			
5/26/2015				<0.025	<0.025	<0.025
6/8/2015	<0.025	<0.025				
6/9/2015			<0.025	<0.025	0.0014 (J)	<0.025
6/17/2015	<0.025		<0.025	<0.025	<0.025	<0.025
6/18/2015		<0.025				
6/24/2015	<0.025	<0.025				
6/25/2015			<0.025	<0.025	<0.025	<0.025
6/30/2015	<0.025	0.00093 (J)				
7/1/2015			<0.025	<0.025	0.0014 (J)	<0.025
7/6/2015	<0.025	<0.025				
7/7/2015			<0.025	0.0011 (J)	<0.025	<0.025
8/12/2015	<0.025	<0.025	<0.025			
8/13/2015				<0.025	<0.025	<0.025
3/2/2016	<0.025	<0.025	<0.025	<0.025		
3/3/2016					<0.025	<0.025
7/8/2016	<0.025		<0.025			
7/11/2016		<0.025		<0.025	<0.025	<0.025
3/15/2017			<0.025			<0.025
3/16/2017	<0.025	<0.025		<0.025	<0.025	
9/15/2017			0.0007 (J)	<0.025		0.002 (J)
9/18/2017					<0.025	
9/19/2017	0.0003 (J)	0.0003 (J)				
3/12/2018				<0.025	<0.025	
3/13/2018	<0.025	<0.025	<0.025			<0.025
9/6/2018			<0.025			
9/7/2018				<0.025	<0.025	<0.025
9/11/2018	<0.025	<0.025				
3/7/2019			<0.025		<0.025	<0.025
3/8/2019	<0.025			<0.025		
3/12/2019		<0.025				
9/4/2019						0.00047 (J)
9/5/2019	<0.025	<0.025	<0.025	<0.025	<0.025	
3/3/2020			0.00025 (J)	<0.025		
3/4/2020	0.00053 (J)	<0.025			<0.025	0.0003 (J)
9/4/2020				<0.025	<0.025	<0.025
9/8/2020	<0.025	<0.025	<0.025			

Time Series

Constituent: Copper (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0042 (J)					
9/17/2014		<0.025	<0.025	<0.025	<0.025	
9/18/2014						<0.025
10/4/2014	0.0024 (J)	0.0012 (J)	<0.025	0.00086 (J)	<0.025	
10/5/2014						<0.025
10/21/2014	0.002 (J)	0.0011 (J)	<0.025	<0.025	<0.025	
10/22/2014						<0.025
11/5/2014			<0.025		<0.025	<0.025
11/11/2014	0.0021 (J)	0.0015 (J)		<0.025		
3/3/2015	0.0017 (J)	0.0012 (J)	<0.025	<0.025	<0.025	
3/4/2015						<0.025
3/18/2015	0.0019 (J)	<0.025	<0.025	<0.025		
3/19/2015					<0.025	<0.025
4/6/2015	0.0014 (J)	0.00083 (J)				
4/7/2015			<0.025	<0.025	<0.025	<0.025
4/23/2015	0.0022 (J)	0.0012 (J)	<0.025	<0.025		
4/24/2015					<0.025	<0.025
7/29/2015	0.00098 (J)	<0.025	<0.025	<0.025	<0.025	
7/30/2015						<0.025
3/3/2016	<0.025 (D)					
3/4/2016		<0.025				
3/7/2016			<0.025	<0.025	<0.025	
3/8/2016						<0.025
7/13/2016	0.0022 (J)		<0.025	<0.025		
7/14/2016		0.0124 (J)			<0.025	<0.025
3/20/2017	0.002 (J)			<0.025		
3/21/2017		0.0005 (J)			0.0006 (J)	
3/22/2017						<0.025
3/23/2017			<0.025			
9/19/2017						0.0008 (J)
9/20/2017					0.0003 (J)	
9/21/2017	0.0018 (J)			0.0003 (J)		
9/22/2017		0.0007 (J)				
9/25/2017			<0.025			
3/14/2018	0.0017 (J)	<0.025	<0.025	<0.025	<0.025	<0.025
9/7/2018	<0.025			<0.025		
9/10/2018					<0.025	<0.025
9/11/2018		<0.025	<0.025			
3/11/2019	<0.025					
3/12/2019		<0.025	<0.025	<0.025	<0.025	<0.025
9/6/2019				<0.025		<0.025 (D)
9/9/2019	0.00082 (J)		<0.025		<0.025	
9/10/2019		<0.025				
3/4/2020	0.0024 (J)				0.00036 (J)	
3/5/2020		0.00023 (J)		<0.025		<0.025
3/6/2020			0.00023 (J)			
9/4/2020						<0.025
9/9/2020	<0.025	<0.025	<0.025	<0.025	<0.025	

Time Series

Constituent: Copper (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.025	<0.025
9/18/2014	<0.025	<0.025	<0.025		
10/4/2014				<0.025	<0.025
10/5/2014	0.0016 (J)	<0.025	<0.025		
10/22/2014	0.0018 (J)	<0.025	<0.025		
10/23/2014				<0.025	<0.025
11/5/2014	0.0015 (J)	<0.025	0.001 (J)		
11/10/2014				<0.025	<0.025
3/4/2015	<0.025	<0.025	0.0014 (J)	<0.025	<0.025
3/19/2015	<0.025	<0.025			
3/20/2015			<0.025	<0.025	<0.025
4/8/2015	<0.025	<0.025	0.0014 (J)	<0.025	
4/9/2015					<0.025
4/23/2015			<0.025	0.0011 (J)	<0.025
4/24/2015	0.0016 (J)	<0.025			
7/30/2015	<0.025	<0.025	<0.025	<0.025	<0.025
3/4/2016				<0.025	
3/7/2016		<0.025			
3/8/2016	<0.025				<0.025
3/9/2016			<0.025		
7/12/2016				<0.025	
7/14/2016		<0.025			
7/15/2016	0.0009 (J)		<0.025		
7/18/2016					<0.025
3/16/2017					<0.025
3/20/2017		0.0012 (J)		0.0003 (J)	
3/21/2017	0.0009 (J)				
3/22/2017			0.0005 (J)		
9/19/2017	0.0006 (J)	<0.025		<0.025	<0.025
9/21/2017			0.0005 (J)		
3/13/2018		<0.025		<0.025	<0.025
3/14/2018	<0.025		<0.025		
9/7/2018		<0.025			
9/10/2018	<0.025				
9/11/2018			<0.025	<0.025	<0.025
3/8/2019				<0.025	<0.025
3/11/2019	<0.025	<0.025			
3/12/2019			<0.025		
9/5/2019		<0.025		0.001 (JD)	<0.025
9/6/2019	0.01 (J)		0.00037 (J)		
3/3/2020	0.00049 (J)	0.00022 (J)		0.00097 (J)	0.00027 (J)
3/5/2020			0.0003 (J)		
9/4/2020					<0.025
9/8/2020	<0.025	<0.025			
9/9/2020			<0.025	0.0017 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						0.0375 (J)
3/1/2016	0.0153 (J)	0.0172 (J)	0.0215 (J)			
3/2/2016				0.0121 (J)		
5/2/2016	0.018 (J)	0.018 (J)				
5/3/2016			0.023 (J)	0.013 (J)		
5/4/2016					0.057 (JD)	0.04 (J)
7/6/2016		0.02 (J)				
7/7/2016	<0.3			<0.3	0.09 (JD)	
7/8/2016			0.02 (J)			0.11 (J)
9/7/2016	<0.3	<0.3	<0.3			
9/8/2016				<0.3	0.03 (JD)	<0.3
10/25/2016	<0.3	0.03 (J)	0.04 (J)	0.03 (J)		
10/26/2016					0.15 (JD)	0.04 (J)
1/5/2017	<0.3	0.03 (J)				
1/6/2017			<0.3		0.11 (JD)	0.04 (J)
2/9/2017				<0.3		
3/14/2017		<0.3	<0.3			
3/15/2017	<0.3				0.004 (JD)	<0.3
3/23/2017				<0.3		
5/16/2017		<0.3	<0.3			
5/17/2017	<0.3			<0.3		0.01 (J)
5/18/2017					0.007 (JD)	
7/19/2017					0.12 (JD)	
9/15/2017	<0.3	<0.3	<0.3			<0.3
9/19/2017				<0.3	0.07 (JD)	
3/12/2018	<0.3	<0.3	<0.3			
3/13/2018				<0.3	0.16 (J)	0.084 (J)
9/6/2018	<0.3	<0.3	<0.3	<0.3		<0.3
9/7/2018					<0.3	
3/6/2019	<0.3		<0.3			
3/7/2019		<0.3		<0.3		<0.3
3/8/2019					0.075 (J)	
9/4/2019	<0.3	<0.3	<0.3	<0.3 (D)	<0.3	<0.3
3/2/2020	<0.3	<0.3	<0.3	<0.3		<0.3
3/3/2020					<0.3	
9/3/2020	<0.3		<0.3	<0.3		<0.3
9/9/2020					<0.3	
9/14/2020		<0.3				

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/26/2021 12:52 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	0.0202 (J)	0.0238 (J)	0.0427 (J)	0.0293 (J)		
3/3/2016					0.0392 (J)	0.1143 (J)
5/3/2016	0.025 (J)	0.027 (J)		0.049 (J)	0.058 (J)	
5/4/2016			0.048 (J)			
5/9/2016						0.0383 (J)
7/8/2016	0.09 (J)		0.12 (J)			
7/11/2016		<0.3		<0.3	<0.3	<0.3
9/7/2016		<0.3				
9/8/2016	<0.3		<0.3			
9/9/2016				0.05 (J)	0.02 (J)	0.1 (J)
10/26/2016	0.04 (J)		0.11 (J)	0.08 (J)		0.2 (J)
10/27/2016		0.1 (J)			0.12 (J)	
1/6/2017		0.02 (J)				
1/9/2017	0.02 (J)		0.04 (J)	0.05 (J)	0.06 (J)	0.26 (J)
3/15/2017			0.009 (J)			0.19 (J)
3/16/2017	<0.3	0.04 (J)		0.07 (J)	0.08 (J)	
5/18/2017			0.02 (J)	<0.3	0.04 (J)	0.19 (J)
5/19/2017	<0.3	0.004 (J)				
9/15/2017			0.03 (J)	<0.3		0.24 (J)
9/18/2017				<0.3		
9/19/2017	<0.3	<0.3				
3/12/2018				<0.3	<0.3	
3/13/2018	<0.3	0.032 (J)	0.054 (J)			0.4
9/6/2018			<0.3			
9/7/2018				<0.3	<0.3	0.14 (J)
9/11/2018	<0.3	<0.3				
3/7/2019			<0.3		<0.3	0.089 (J)
3/8/2019	<0.3			<0.3		
3/12/2019		0.046 (J)				
9/4/2019						0.11 (J)
9/5/2019	<0.3	<0.3	<0.3	<0.3	<0.3	
3/3/2020			<0.3	<0.3		
3/4/2020	<0.3	<0.3			<0.3	0.086 (J)
9/4/2020				<0.3	<0.3	0.086 (J)
9/8/2020	<0.3	<0.3	<0.3			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	0.06259 (JD)					
3/4/2016		2.1421 (O)				
3/7/2016			0.00623 (J)	0.00232 (J)	<0.3	
3/8/2016						0.00425 (J)
5/5/2016			0.045 (J)	0.025 (J)		
5/9/2016					0.0246 (J)	0.0259 (J)
5/10/2016	0.0767 (J)	0.0258 (J)				
7/13/2016	<0.3		<0.3	<0.3		
7/14/2016		<0.3			<0.3	<0.3
9/12/2016				0.02 (J)	0.03 (J)	0.03 (J)
9/13/2016			0.07 (J)			
9/14/2016		<0.3				
9/15/2016	<0.3					
10/31/2016			0.05 (J)		0.05 (J)	0.11 (J)
11/1/2016		0.06 (J)		0.05 (J)		
11/2/2016	0.08 (J)					
1/11/2017	0.19 (J)	0.33		<0.3	<0.3	
1/12/2017			0.06 (J)			0.02 (J)
3/20/2017	0.18 (J)			<0.3		
3/21/2017		0.03 (J)			<0.3	
3/22/2017						0.1 (J)
3/23/2017			0.03 (J)			
5/22/2017				<0.3	<0.3	0.02 (J)
5/23/2017	0.1 (J)	0.004 (J)	0.02 (J)			
9/19/2017						<0.3
9/20/2017					<0.3	
9/21/2017	<0.3			<0.3		
9/22/2017		0.04 (J)				
9/25/2017			0.1 (J)			
3/14/2018	0.17 (J)	<0.3	0.12 (J)	0.12 (J)	0.045 (J)	0.035 (J)
9/7/2018	<0.3			<0.3		
9/10/2018					<0.3	<0.3
9/11/2018		<0.3	<0.3			
3/11/2019	0.23 (J)					
3/12/2019		0.056 (J)	0.05 (J)	0.042 (J)	0.04 (J)	0.048 (J)
9/6/2019				<0.3		<0.3 (D)
9/9/2019	<0.3		<0.3		<0.3	
9/10/2019		<0.3				
3/4/2020	0.29 (J)				<0.3	
3/5/2020		<0.3		<0.3		<0.3
3/6/2020			<0.3			
9/4/2020						<0.3
9/9/2020	0.17 (J)	<0.3	<0.3	<0.3	<0.3	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				<0.3	
3/7/2016		0.00526 (J)			
3/8/2016	0.00287 (J)				0.00246 (J)
3/9/2016			<0.3		
5/4/2016					0.027 (J)
5/5/2016		0.049 (J)		0.039 (J)	
5/6/2016			0.056 (J)		
5/9/2016	0.0222 (J)				
7/12/2016				<0.3	
7/14/2016		<0.3			
7/15/2016	<0.3		<0.3		
7/18/2016					<0.3
9/9/2016	0.03 (J)				
9/12/2016		0.06 (J)			
9/13/2016				0.04 (J)	0.03 (J)
9/14/2016			0.02 (J)		
10/27/2016	0.1 (J)	0.12 (J)		0.11 (J)	0.1 (J)
11/1/2016			0.07 (J)		
1/12/2017	0.11 (J)				
1/13/2017		0.04 (J)		<0.3	<0.3
1/25/2017			0.01 (J)		
3/16/2017					<0.3
3/20/2017		0.06 (J)		<0.3	
3/21/2017	<0.3				
3/22/2017			0.02 (J)		
5/19/2017				0.01 (J)	<0.3
5/23/2017	<0.3	0.02 (J)			
5/24/2017			<0.3		
9/19/2017	<0.3	<0.3		<0.3	<0.3
9/21/2017			0.17 (J)		
3/13/2018		0.046 (J)		0.091 (J)	<0.3
3/14/2018	<0.3		0.18 (J)		
9/7/2018		<0.3			
9/10/2018	<0.3				
9/11/2018			<0.3	<0.3	<0.3
3/8/2019				<0.3	<0.3
3/11/2019	0.51	<0.3			
3/12/2019			0.06 (J)		
6/18/2019	<0.3				
9/5/2019		<0.3		<0.3 (D)	<0.3
9/6/2019	<0.3		<0.3		
3/3/2020	<0.3	<0.3		<0.3	<0.3
3/5/2020			<0.3		
9/4/2020					<0.3
9/8/2020	<0.3	<0.3			
9/9/2020			<0.3	<0.3	

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0069 (J)				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	<0.005	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	0.0047 (J)		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	0.0025 (J)	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					<0.005	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005 (D)	<0.005
7/6/2016		0.0004 (J)				
7/7/2016	0.0001 (J)			0.0001 (J)	0.0002 (JD)	
7/8/2016			0.0001 (J)			<0.005
9/7/2016	0.0001 (J)	<0.005	0.0001 (J)			
9/8/2016				0.0001 (J)	<0.005 (D)	<0.005
10/25/2016	<0.005	0.0001 (J)	<0.005	0.0002 (J)		
10/26/2016					<0.005 (D)	<0.005
1/5/2017	0.0001 (J)	0.0002 (J)				
1/6/2017			<0.005		<0.005 (D)	<0.005
2/9/2017				<0.005		
3/14/2017		0.0003 (J)	0.0001 (J)			
3/15/2017	0.0002 (J)				<0.005 (D)	<0.005
3/23/2017				0.0001 (J)		
5/16/2017		<0.005	<0.005			
5/17/2017	8E-05 (J)			0.0001 (J)		<0.005
5/18/2017					<0.005 (D)	
7/19/2017					<0.005 (D)	
9/15/2017	0.0003 (J)	8E-05 (J)	<0.005			<0.005
9/19/2017				<0.005	<0.005 (D)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				<0.005	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	7.6E-05 (J)	<0.005	<0.005	<0.005 (D)	<0.005	<0.005
3/2/2020	5.2E-05 (J)	0.00031 (J)	<0.005	<0.005		<0.005
3/3/2020					5.1E-05 (J)	
9/3/2020	0.00012 (J)		<0.005	<0.005		<0.005
9/9/2020					8.9E-05 (J)	
9/14/2020		0.00065 (J)				

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	<0.005	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	<0.005	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	0.0002 (J)		<0.005			
7/11/2016		<0.005		<0.005	0.0001 (J)	0.0003 (J)
9/7/2016		<0.005				
9/8/2016	0.0002 (J)		<0.005			
9/9/2016				<0.005	<0.005	0.0001 (J)
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			0.0001 (J)	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			<0.005			0.0001 (J)
3/16/2017	0.0001 (J)	5E-05 (J)		7E-05 (J)	0.0001 (J)	
5/18/2017			<0.005	0.0001 (J)	7E-05 (J)	0.0001 (J)
5/19/2017	9E-05 (J)	0.0001 (J)				
9/15/2017			<0.005	<0.005		0.0001 (J)
9/18/2017					<0.005	
9/19/2017	0.0001 (J)	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	8E-05 (J)	8.3E-05 (J)	<0.005	<0.005	<0.005	
3/3/2020			4.8E-05 (J)	4.8E-05 (J)		
3/4/2020	0.00016 (J)	6.6E-05 (J)			<0.005	5E-05 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0001 (J)	<0.005	<0.005
9/8/2020	0.00012 (J)	0.0006 (J)	<0.005			

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		<0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005 (D)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	<0.005	<0.005				
7/13/2016	<0.005		0.0001 (J)	<0.005		
7/14/2016		0.0006 (J)			9E-05 (J)	<0.005
9/12/2016				0.0002 (J)	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	<0.005					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		0.0001 (J)		
11/2/2016	<0.005					
1/11/2017	0.0001 (J)	<0.005		<0.005	<0.005	
1/12/2017			0.0002 (J)			<0.005
3/20/2017	<0.005			7E-05 (J)		
3/21/2017		<0.005			7E-05 (J)	
3/22/2017						<0.005
3/23/2017			0.0002 (J)			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	8E-05 (J)	<0.005	0.0002 (J)			
9/19/2017						<0.005
9/20/2017					0.0004 (J)	
9/21/2017	9E-05 (J)			0.0003 (J)		
9/22/2017		<0.005				
9/25/2017			8E-05 (J)			
3/14/2018	<0.005	<0.005	<0.005	0.00035 (J)	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005 (D)
9/9/2019	<0.005		5E-05 (J)		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				0.0003 (J)	
3/5/2020		<0.005		0.00032 (J)		<0.005
3/6/2020			0.00013 (J)			
9/4/2020						<0.005
9/9/2020	0.00017 (J)	<0.005	6E-05 (J)	0.00025 (J)	<0.005	

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.005	<0.005
9/18/2014	<0.005	<0.005	<0.005		
10/4/2014				<0.005	<0.005
10/5/2014	<0.005	<0.005	<0.005		
10/22/2014	<0.005	<0.005	<0.005		
10/23/2014				<0.005	<0.005
11/5/2014	<0.005	<0.005	<0.005		
11/10/2014				<0.005	<0.005
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2015	<0.005	<0.005			
3/20/2015			<0.005	<0.005	<0.005
4/8/2015	<0.005	<0.005	<0.005	<0.005	
4/9/2015					<0.005
4/23/2015			<0.005	<0.005	<0.005
4/24/2015	<0.005	<0.005			
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005
3/4/2016				<0.005	
3/7/2016		<0.005			
3/8/2016	<0.005				<0.005
3/9/2016			<0.005		
5/4/2016					<0.005
5/5/2016		<0.005		<0.005	
5/6/2016			<0.005		
5/9/2016	<0.005				
7/12/2016				<0.005	
7/14/2016		<0.005			
7/15/2016	<0.005		<0.005		
7/18/2016					0.0001 (J)
9/9/2016	<0.005				
9/12/2016		<0.005			
9/13/2016				<0.005	<0.005
9/14/2016			<0.005		
10/27/2016	<0.005	<0.005		<0.005	<0.005
11/1/2016			<0.005		
1/12/2017	<0.005				
1/13/2017		0.0001 (J)		<0.005	<0.005
1/25/2017			<0.005		
3/16/2017					0.0003 (J)
3/20/2017		7E-05 (J)		0.0001 (J)	
3/21/2017	6E-05 (J)				
3/22/2017			<0.005		
5/19/2017				<0.005	0.0001 (J)
5/23/2017	<0.005	<0.005			
5/24/2017			0.0001 (J)		
9/19/2017	<0.005	0.0001 (J)		0.0002 (J)	<0.005
9/21/2017			<0.005		
3/13/2018		<0.005		<0.005	<0.005
3/14/2018	<0.005		<0.005		
9/7/2018		<0.005			
9/10/2018	<0.005				
9/11/2018			<0.005	<0.005	<0.005
3/8/2019				<0.005	0.00035 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.005	<0.005			
3/12/2019			<0.005		
9/5/2019		<0.005		9.05E-05 (JD)	6E-05 (J)
9/6/2019	0.0016 (J)		6.8E-05 (J)		
3/3/2020	<0.005	5.9E-05 (J)		5.7E-05 (J)	5.9E-05 (J)
3/5/2020			5.2E-05 (J)		
9/4/2020					0.00012 (J)
9/8/2020	6.7E-05 (J)	<0.005			
9/9/2020			<0.005	0.0001 (J)	

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.0005	0.000172 (J)				
9/16/2014			4.23E-05 (J)	2.75E-05 (J)		
10/3/2014	<0.0005	<0.0005	<0.0005	<0.0005		
10/20/2014	<0.0005	<0.0005	3.87E-05 (J)	4.07E-05 (J)		
11/10/2014	5.8E-05 (J)	3.84E-05 (J)	3.34E-05 (J)	6.86E-05 (J)		
3/2/2015	2.04E-05 (J)	<0.0005	<0.0005	3.07E-05 (J)		
3/17/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/5/2015	<0.0005	<0.0005	<0.0005			
4/6/2015				<0.0005		
4/21/2015	<0.0005	2.39E-05 (J)				
4/22/2015			<0.0005	<0.0005		
5/8/2015					<0.0005	<0.0005
5/17/2015					0.000101 (J)	<0.0005
5/25/2015					4.88E-05 (J)	<0.0005
6/8/2015					<0.0005	<0.0005
6/18/2015					4.1E-05 (J)	<0.0005
6/24/2015					8.41E-05 (J)	<0.0005
6/30/2015					<0.0005	<0.0005
7/6/2015					<0.0005	<0.0005
7/28/2015	2.13E-05 (J)	5.2E-05 (J)	<0.0005	<0.0005		
8/12/2015					4.91E-05 (J)	<0.0005
2/29/2016						<0.0005
3/1/2016	<0.0005	<0.0005	<0.0005			
3/2/2016				<0.0005		
5/2/2016	<0.0005	<0.0005				
5/3/2016			<0.0005	<0.0005		
5/4/2016					<0.0005 (D)	<0.0005
7/6/2016		<0.0005				
7/7/2016	<0.0005			<0.0005	<0.0005 (D)	
7/8/2016			<0.0005			<0.0005
9/7/2016	<0.0005	<0.0005	<0.0005			
9/8/2016				<0.0005	<0.0005 (D)	<0.0005
10/25/2016	<0.0005	<0.0005	<0.0005	<0.0005		
10/26/2016					<0.0005 (D)	<0.0005
1/5/2017	<0.0005	<0.0005				
1/6/2017			<0.0005		<0.0005 (D)	<0.0005
2/9/2017				<0.0005		
3/14/2017		<0.0005	<0.0005			
3/15/2017	<0.0005				<0.0005 (D)	<0.0005
3/23/2017				<0.0005		
5/16/2017		<0.0005	<0.0005			
5/17/2017	<0.0005			<0.0005		<0.0005
5/18/2017					<0.0005 (D)	
7/19/2017					<0.0005 (D)	
9/15/2017	<0.0005	<0.0005	<0.0005			<0.0005
9/19/2017				<0.0005	<0.0005 (D)	
3/12/2018	<0.0005	<0.0005	<0.0005			
3/13/2018				<0.0005	<0.0005	<0.0005
9/6/2018	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
9/7/2018					<0.0005	
3/6/2019	<0.0005		<0.0005			
3/7/2019		<0.0005		<0.0005		<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0005	
9/4/2019	<0.0005	<0.0005	<0.0005	<0.0005 (D)	<0.0005	<0.0005
3/2/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/3/2020					<0.0005	
9/3/2020	<0.0005		<0.0005	<0.0005		<0.0005
9/9/2020					<0.0005	
9/14/2020		<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0005				
5/9/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
5/17/2015		<0.0005				
5/18/2015	<0.0005		<0.0005	<0.0005	<0.0005	
5/19/2015						<0.0005
5/25/2015	<0.0005	<0.0005	<0.0005			
5/26/2015				<0.0005	<0.0005	<0.0005
6/8/2015	<0.0005	<0.0005				
6/9/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/17/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
6/18/2015		<0.0005				
6/24/2015	<0.0005	<0.0005				
6/25/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/30/2015	<0.0005	<0.0005				
7/1/2015			<0.0005	<0.0005	<0.0005	<0.0005
7/6/2015	<0.0005	<0.0005				
7/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
8/12/2015	<0.0005	<0.0005	<0.0005			
8/13/2015				<0.0005	<0.0005	<0.0005
3/2/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	<0.0005
5/3/2016	<0.0005	<0.0005		<0.0005	<0.0005	
5/4/2016			<0.0005			
5/9/2016						<0.0005
7/8/2016	<0.0005		<0.0005			
7/11/2016		<0.0005		<0.0005	<0.0005	<0.0005
9/7/2016		<0.0005				
9/8/2016	<0.0005		<0.0005			
9/9/2016				<0.0005	<0.0005	<0.0005
10/26/2016	<0.0005		<0.0005	<0.0005		<0.0005
10/27/2016		<0.0005			<0.0005	
1/6/2017		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
3/15/2017			<0.0005			<0.0005
3/16/2017	<0.0005	<0.0005		<0.0005	<0.0005	
5/18/2017			<0.0005	<0.0005	<0.0005	<0.0005
5/19/2017	<0.0005	<0.0005				
9/15/2017			<0.0005	<0.0005		<0.0005
9/18/2017					<0.0005	
9/19/2017	<0.0005	<0.0005				
3/12/2018				<0.0005	<0.0005	
3/13/2018	<0.0005	<0.0005	<0.0005			<0.0005
9/6/2018			<0.0005			
9/7/2018				<0.0005	<0.0005	<0.0005
9/11/2018	<0.0005	<0.0005				
3/7/2019			<0.0005		<0.0005	<0.0005
3/8/2019	<0.0005			<0.0005		
3/12/2019		<0.0005				
9/4/2019						<0.0005
9/5/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/3/2020			<0.0005	<0.0005		
3/4/2020	<0.0005	<0.0005			<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.0005	<0.0005	<0.0005
9/8/2020	<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	2.69E-05 (J)					
9/17/2014		2.97E-05 (J)	4.24E-05 (J)	3.5E-05 (J)	4.15E-05 (J)	
9/18/2014						5.34E-05 (J)
10/4/2014	<0.0005	<0.0005	2.5E-05 (J)	<0.0005	<0.0005	
10/5/2014						<0.0005
10/21/2014	3.18E-05 (J)	5.02E-05 (J)	6.4E-05 (J)	5.35E-05 (J)	5.89E-05 (J)	
10/22/2014						4.88E-05 (J)
11/5/2014			7.02E-05 (J)		7.28E-05 (J)	2.85E-05 (J)
11/11/2014	<0.0005	3.66E-05 (J)		4.64E-05 (J)		
3/3/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2015						<0.0005
3/18/2015	<0.0005	<0.0005	<0.0005	<0.0005		
3/19/2015					<0.0005	<0.0005
4/6/2015	<0.0005	<0.0005				
4/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
4/23/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/24/2015					<0.0005	<0.0005
7/29/2015	<0.0005	<0.0005	3.14E-05 (J)	<0.0005	<0.0005	
7/30/2015						<0.0005
3/3/2016	<0.0005 (D)					
3/4/2016		<0.0005				
3/7/2016			<0.0005	<0.0005	<0.0005	
3/8/2016						<0.0005
5/5/2016			<0.0005	<0.0005		
5/9/2016					<0.0005	<0.0005
5/10/2016	<0.0005	<0.0005				
7/13/2016	<0.0005		<0.0005	<0.0005		
7/14/2016		<0.0005			<0.0005	<0.0005
9/12/2016				<0.0005	<0.0005	<0.0005
9/13/2016			<0.0005			
9/14/2016		<0.0005				
9/15/2016	<0.0005					
10/31/2016			<0.0005		<0.0005	<0.0005
11/1/2016		<0.0005		<0.0005		
11/2/2016	<0.0005					
1/11/2017	<0.0005	<0.0005		<0.0005	<0.0005	
1/12/2017			<0.0005			<0.0005
3/20/2017	<0.0005			<0.0005		
3/21/2017		<0.0005			<0.0005	
3/22/2017						<0.0005
3/23/2017			<0.0005			
5/22/2017				<0.0005	<0.0005	<0.0005
5/23/2017	<0.0005	<0.0005	<0.0005			
9/19/2017						<0.0005
9/20/2017					<0.0005	
9/21/2017	<0.0005			<0.0005		
9/22/2017		<0.0005				
9/25/2017			<0.0005			
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/7/2018	<0.0005			<0.0005		
9/10/2018					<0.0005	<0.0005
9/11/2018		<0.0005	<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0005					
3/12/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/6/2019				<0.0005		<0.0005 (D)
9/9/2019	<0.0005		<0.0005		<0.0005	
9/10/2019		<0.0005				
3/4/2020	<0.0005				<0.0005	
3/5/2020		<0.0005		<0.0005		<0.0005
3/6/2020			<0.0005			
9/4/2020						<0.0005
9/9/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				2.81E-05 (J)	3.13E-05 (J)
9/18/2014	<0.0005	2.54E-05 (J)	2.82E-05 (J)		
10/4/2014				<0.0005	<0.0005
10/5/2014	<0.0005	<0.0005	<0.0005		
10/22/2014	2.57E-05 (J)	2.83E-05 (J)	<0.0005		
10/23/2014				<0.0005	4.6E-05 (J)
11/5/2014	<0.0005	0.0002	4.83E-05 (J)		
11/10/2014				5.15E-05 (J)	2.5E-05 (J)
3/4/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/19/2015	<0.0005	<0.0005			
3/20/2015			<0.0005	<0.0005	<0.0005
4/8/2015	<0.0005	<0.0005	<0.0005	<0.0005	
4/9/2015					<0.0005
4/23/2015			<0.0005	<0.0005	<0.0005
4/24/2015	<0.0005	<0.0005			
7/30/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/4/2016				<0.0005	
3/7/2016		<0.0005			
3/8/2016	<0.0005				<0.0005
3/9/2016			<0.0005		
5/4/2016					<0.0005
5/5/2016		<0.0005		<0.0005	
5/6/2016			<0.0005		
5/9/2016	<0.0005				
7/12/2016				<0.0005	
7/14/2016		<0.0005			
7/15/2016	<0.0005		<0.0005		
7/18/2016					<0.0005
9/9/2016	<0.0005				
9/12/2016		<0.0005			
9/13/2016				<0.0005	<0.0005
9/14/2016			<0.0005		
10/27/2016	<0.0005	<0.0005		<0.0005	<0.0005
11/1/2016			<0.0005		
1/12/2017	<0.0005				
1/13/2017		<0.0005		<0.0005	<0.0005
1/25/2017			<0.0005		
3/16/2017					<0.0005
3/20/2017		<0.0005		<0.0005	
3/21/2017	<0.0005				
3/22/2017			<0.0005		
5/19/2017				<0.0005	<0.0005
5/23/2017	<0.0005	<0.0005			
5/24/2017			<0.0005		
9/19/2017	<0.0005	<0.0005		<0.0005	<0.0005
9/21/2017			<0.0005		
3/13/2018		<0.0005		<0.0005	<0.0005
3/14/2018	<0.0005		<0.0005		
9/7/2018		<0.0005			
9/10/2018	<0.0005				
9/11/2018			<0.0005	<0.0005	<0.0005
3/8/2019				<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.0005	<0.0005			
3/12/2019			<0.0005		
9/5/2019		<0.0005		<0.0005 (D)	<0.0005
9/6/2019	<0.0005		<0.0005		
3/3/2020	<0.0005	<0.0005		<0.0005	<0.0005
3/5/2020			<0.0005		
9/4/2020					<0.0005
9/8/2020	<0.0005	<0.0005			
9/9/2020			<0.0005	<0.0005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.01				
9/16/2014			0.018	0.0028		
10/3/2014	<0.01	<0.01	0.022	0.0036		
10/20/2014	<0.01	0.0043	0.022	0.0025		
11/10/2014	<0.01	<0.01	0.018	0.0026		
3/2/2015	<0.01	<0.01	0.016	0.017		
3/17/2015	<0.01	<0.01	0.015	0.0057		
4/5/2015	<0.01	0.0016 (J)	0.016			
4/6/2015				0.0022 (J)		
4/21/2015	0.0014 (J)	0.0033				
4/22/2015			0.016	0.0015 (J)		
5/8/2015					<0.01	<0.01
5/17/2015					0.0016 (J)	<0.01
5/25/2015					<0.01	<0.01
6/8/2015					<0.01	<0.01
6/18/2015					<0.01	<0.01
6/24/2015					<0.01	<0.01
6/30/2015					<0.01	<0.01
7/6/2015					<0.01	<0.01
7/28/2015	<0.01	0.0032	0.018	0.0015 (J)		
8/12/2015					<0.01	<0.01
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	0.0138			
3/2/2016				<0.01		
7/6/2016		0.0007 (J)				
7/7/2016	<0.01			0.0014 (J)	0.0008 (JD)	
7/8/2016			0.014			<0.01
3/14/2017		0.0007 (J)	0.0087 (J)			
3/15/2017	0.0142				<0.01 (D)	0.0005 (J)
3/23/2017				<0.01		
9/15/2017	0.0005 (J)	<0.01	0.0053 (J)			<0.01
9/19/2017				0.0011 (J)	<0.01 (D)	
3/12/2018	<0.01	<0.01	0.0054 (J)			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	0.0069 (J)	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	0.00041 (J)	<0.01	0.0059 (J)	0.000825 (JD)	<0.01	<0.01
3/2/2020	0.00071 (J)	0.00051 (J)	0.0079 (J)	0.001 (J)		<0.01
3/3/2020					<0.01	
9/3/2020	<0.01		0.0096 (J)	0.00089 (J)		<0.01
9/9/2020					<0.01	
9/14/2020		<0.01				

Time Series

Constituent: Nickel (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		<0.01	<0.01	0.0018 (J)	
5/19/2015						<0.01
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			0.0015 (J)	<0.01	0.0022 (J)	<0.01
6/17/2015	<0.01		0.0013 (J)	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	0.0034	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0016 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	<0.01	<0.01	<0.01			
8/13/2015				<0.01	<0.01	<0.01
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	0.0007 (J)	0.0006 (J)
3/15/2017			0.0005 (J)			<0.01
3/16/2017	0.0005 (J)	<0.01		0.0008 (J)	0.0015 (J)	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	0.00061 (J)		
3/4/2020	<0.01	<0.01			<0.01	<0.01
9/4/2020				<0.01	<0.01	<0.01
9/8/2020	<0.01	<0.01	<0.01			

Time Series

Constituent: Nickel (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.03					
9/17/2014		<0.01	<0.01	<0.01	<0.01	
9/18/2014						<0.01
10/4/2014	0.029	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	0.026	<0.01	<0.01	<0.01	<0.01	
10/22/2014						<0.01
11/5/2014			0.0016 (J)		<0.01	<0.01
11/11/2014	0.023	<0.01		<0.01		
3/3/2015	0.02	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	0.019	<0.01	<0.01	<0.01		
3/19/2015					<0.01	<0.01
4/6/2015	0.02	<0.01				
4/7/2015			0.0014 (J)	<0.01	<0.01	<0.01
4/23/2015	0.019	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	0.018	<0.01	0.0015 (J)	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	0.0111 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	0.0133		0.0007 (J)	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	0.0111			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					0.0006 (J)	
9/21/2017	0.0092 (J)			<0.01		
9/22/2017		<0.01				
9/25/2017			0.0015 (J)			
3/14/2018	0.0094 (J)	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	0.0086 (J)			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01 (D)
9/9/2019	0.0066 (J)		<0.01		<0.01	
9/10/2019		<0.01				
3/4/2020	0.0032 (J)				0.00071 (J)	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			0.0005 (J)			
9/4/2020						<0.01
9/9/2020	0.0067 (J)	<0.01	<0.01	<0.01	<0.01	

Time Series

Constituent: Nickel (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.01	<0.01
9/18/2014	<0.01	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	<0.01	<0.01	<0.01		
10/22/2014	0.0013 (J)	<0.01	<0.01		
10/23/2014				<0.01	<0.01
11/5/2014	0.0013 (J)	<0.01	<0.01		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	0.0014 (J)	<0.01	<0.01	<0.01	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	0.0014 (J)	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	0.0261 (o)				<0.01
3/9/2016			<0.01		
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	0.0021 (J)		<0.01		
7/18/2016					<0.01
3/16/2017					0.0012 (J)
3/20/2017		<0.01		0.0003 (J)	
3/21/2017	<0.01				
3/22/2017			<0.01		
9/19/2017	0.0012 (J)	0.0011 (J)		<0.01	<0.01
9/21/2017			0.0012 (J)		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	0.0014 (J)		<0.01		
9/7/2018		<0.01			
9/10/2018	0.002 (J)				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		0.0011 (J)		<0.01 (D)	<0.01
9/6/2019	0.0028 (J)		0.00086 (J)		
3/3/2020	0.00099 (J)	0.001 (J)		<0.01	<0.01
3/5/2020			0.00075 (J)		
9/4/2020					<0.01
9/8/2020	0.0014 (J)	0.00083 (J)			
9/9/2020			<0.01	<0.01	

Time Series

Constituent: pH (pH units) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						7.52
3/1/2016	7.07	7.45	5.94 (D)			
3/2/2016				5.65		
5/2/2016	7	7.31				
5/3/2016			5.85	5.72		
5/4/2016					7.52 (D)	7.59
7/6/2016		7.4				
7/7/2016	7.15			5.68	7.42 (D)	
7/8/2016			5.74			7.61
9/7/2016	7.2	7.32	5.79			
9/8/2016				5.42	7.4 (D)	7.52
10/25/2016	7.12	7.4	5.88	5.41		
10/26/2016					7.59 (D)	7.67
1/5/2017	7.05	7.29				
1/6/2017			5.82		7.51 (D)	7.49
2/9/2017				4.99		
3/14/2017		7.48	5.8			
3/15/2017	6.84				7.51 (D)	7.55
3/23/2017				4.94		
5/16/2017		7.38	5.02			
5/17/2017	6.78			5.18		7.55
5/18/2017					7.64 (D)	
7/18/2017					7.58	
7/19/2017					7.58 (D)	
9/15/2017	6.7	7.35	5.68			7.48
9/19/2017				5.53	7.37 (D)	
3/12/2018	6.6	7.26	5.72			
3/13/2018				5.57	7.62	7.34
9/6/2018	6.83	7.21	5.59	5.69		7.5
9/7/2018					7.36	
3/6/2019	6.64		5.38			
3/7/2019		7.48		5.54		7.29
3/8/2019					7.55	
9/4/2019	6.85	7.14	5.09	5.91 (D)	7.39	7.43
3/2/2020	6.58	7.24	5.52	5.49		7.44
3/3/2020					7.73	
9/3/2020	6.81		5.17	5.32		7.67
9/9/2020					7.59	
9/14/2020		7.1				

Time Series

Constituent: pH (pH units) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	7.77 (D)	7.76	7.51	7.01		
3/3/2016					7.44	7.95 (D)
5/3/2016	7.76	7.8		7.26	7.64	
5/4/2016			7.68			
5/9/2016						7.66
7/8/2016	7.82		7.7			
7/11/2016		7.82		7.45	7.72	7.86
9/7/2016		7.83				
9/8/2016	7.73		7.71			
9/9/2016				7.55	7.66	7.89
10/26/2016	7.71		7.6	7.55		7.98
10/27/2016		7.84			7.75	
1/6/2017		7.63				
1/9/2017	7.52		7.81	7.62	7.83	7.9
3/15/2017			7.74			8
3/16/2017	7.84	7.8		7.4	7.78	
5/18/2017			7.39	7.24	7.64	8.21
5/19/2017	7.72	7.81				
9/15/2017			7.61	7.38		8.34
9/18/2017					7.66	
9/19/2017	7.68	7.84				
1/9/2018						8.1 (Y)
3/12/2018				7	7.11	
3/13/2018	7.74	7.8	7.39			8.03
9/6/2018			7.66			
9/7/2018				7.45	7.6	8.14
9/11/2018	7.64	7.76				
3/7/2019			7.55		7.22	8.05
3/8/2019	7.73			7.14		
3/12/2019		7.7				
9/4/2019						7.79
9/5/2019	7.57	7.68	7.54	7.26	7.53	
3/3/2020			7.59	6.95		
3/4/2020	7.63	7.72			7.27	7.95
9/4/2020				7.24	7.64	7.82
9/8/2020	7.67	7.68	7.56			

Time Series

Constituent: pH (pH units) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.22 (D)					
3/4/2016		7.24				
3/7/2016			6.81	7.7	7.68	
3/8/2016						7.62
5/5/2016			6	7.85		
5/9/2016					7.66	7.72
5/10/2016	7.08	7.18				
7/13/2016	7.05		6.67	7.85		
7/14/2016		7.21			7.74	7.69
9/12/2016				7.87	7.76	7.52
9/13/2016		7.17	6.67			
9/15/2016	7.51					
10/31/2016			6.15		7.74	7.51
11/1/2016		7.18		7.78		
11/2/2016	7.1					
1/11/2017	7.16	7.11		7.75	7.69	
1/12/2017			6.79			7.46
3/20/2017	7.19			7.86		
3/21/2017		7.24			7.54	
3/22/2017						7.77
3/23/2017			7.04			
5/22/2017				7.51	7.79	7.5
5/23/2017	6.97	7.21	7.02			
9/19/2017						7.49
9/20/2017					7.77	
9/21/2017	7.28			7.84		
9/22/2017		7.2				
9/25/2017			6.81			
12/29/2017						7.75 (Y)
3/14/2018	7.11	7.16	7.06	7.51	7.74	7.62
9/7/2018	7.08			7.69		
9/10/2018					7.69	7.84
9/11/2018		7.13	6.97			
3/11/2019	7.21					
3/12/2019		7.28	7.06	7.76	7.6	7.63
9/6/2019				7.65		7.75 (D)
9/9/2019	7.13		6.71		7.73	
9/10/2019		7.17				
3/4/2020	7.37				7.65	
3/5/2020		7.3		7.77		7.6
3/6/2020			7.01			
9/4/2020						7.57
9/9/2020	7.08	7.24	6.63	7.81	7.67	

Time Series

Constituent: pH (pH units) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				6.95	
3/7/2016		7.61			
3/8/2016	6.86				7.4
3/9/2016			7.54		
5/4/2016					7.6
5/5/2016		7.79		7.58	
5/6/2016			7.5		
5/9/2016	7.08				
7/12/2016				7.58	
7/14/2016		7.76			
7/15/2016	7.2		7.33		
7/18/2016					7.61
9/9/2016	7.17				
9/12/2016		7.6			
9/13/2016				7.62	7.56
9/14/2016			7.47		
10/27/2016	7.14	7.73		7.64	7.69
11/1/2016			7.31		
1/12/2017	7.06				
1/13/2017		7.68		7.28	7.62
1/25/2017			7.28		
3/16/2017					7.43
3/20/2017		7.6		7.23	
3/21/2017	7.14				
3/22/2017			7.43		
5/19/2017				7.15	7.32
5/23/2017	6.9	7.81			
5/24/2017			7.07		
9/19/2017	7.18	7.46		7.54	7.62
9/21/2017			7.24		
1/9/2018		7.39 (Y)			
3/13/2018		7.49		7.02	7.43
3/14/2018	6.99		7.4		
9/7/2018		7.53			
9/10/2018	6.96				
9/11/2018			7.78	7.4	7.69
3/8/2019				7.65	7.69
3/11/2019	6.95	7.51			
3/12/2019			7.42		
9/5/2019		7.09		7.4 (D)	7.59
9/6/2019	7.04		7.32		
3/3/2020	7.1	7.15		7.55	7.56
3/5/2020			7.24		
9/4/2020					7.62
9/8/2020	7.07	7.19			
9/9/2020			7.12	7.22	
12/15/2020			7.39		

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	<0.01				
9/16/2014			<0.01	<0.01		
10/3/2014	<0.01	<0.01	<0.01	<0.01		
10/20/2014	<0.01	<0.01	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	<0.01		
3/2/2015	<0.01	<0.01	<0.01	<0.01		
3/17/2015	<0.01	<0.01	<0.01	<0.01		
4/5/2015	<0.01	<0.01	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	<0.01				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					<0.01	<0.01
5/25/2015					<0.01	<0.01
6/8/2015					<0.01	<0.01
6/18/2015					<0.01	<0.01
6/24/2015					<0.01	<0.01
6/30/2015					<0.01	<0.01
7/6/2015					<0.01	<0.01
7/28/2015	<0.01	<0.01	<0.01	<0.01		
8/12/2015					<0.01	<0.01
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
5/2/2016	<0.01	<0.01				
5/3/2016			<0.01	<0.01		
5/4/2016					0.00982 (JD)	<0.01
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	0.01 (D)	
7/8/2016			<0.01			<0.01
9/7/2016	<0.01	<0.01	<0.01			
9/8/2016				<0.01	0.0046 (JD)	<0.01
10/25/2016	<0.01	<0.01	<0.01	<0.01		
10/26/2016					0.0071 (JD)	<0.01
1/5/2017	<0.01	<0.01				
1/6/2017			<0.01		0.0099 (JD)	<0.01
2/9/2017				<0.01		
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				0.0056 (JD)	<0.01
3/23/2017				<0.01		
5/16/2017		<0.01	<0.01			
5/17/2017	<0.01			<0.01		<0.01
5/18/2017					0.0064 (JD)	
7/19/2017					<0.01 (D)	
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	0.0029 (JD)	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	0.005 (J)	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.0052 (J)	
9/4/2019	<0.01	<0.01	<0.01	<0.01 (D)	0.01	<0.01
3/2/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/3/2020					0.0053 (J)	
9/3/2020	<0.01		<0.01	<0.01		<0.01
9/9/2020					0.0059 (J)	
9/14/2020		<0.01				

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		<0.01	<0.01	<0.01	
5/19/2015						<0.01
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	<0.01	<0.01
6/17/2015	<0.01		<0.01	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	<0.01	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	<0.01	<0.01	<0.01			
8/13/2015				<0.01	<0.01	<0.01
3/2/2016	<0.01	<0.01	<0.01	0.00234 (J)		
3/3/2016					<0.01	<0.01
5/3/2016	<0.01	<0.01		0.00241 (J)	<0.01	
5/4/2016			<0.01			
5/9/2016						<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	0.0011 (J)	<0.01
9/7/2016		<0.01				
9/8/2016	<0.01		<0.01			
9/9/2016				<0.01	0.001 (J)	<0.01
10/26/2016	<0.01		<0.01	<0.01		<0.01
10/27/2016		<0.01			<0.01	
1/6/2017		<0.01				
1/9/2017	<0.01		<0.01	<0.01	<0.01	0.0011 (J)
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
5/18/2017			<0.01	<0.01	<0.01	<0.01
5/19/2017	<0.01	<0.01				
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				0.0018 (J)	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		0.0016 (J)	<0.01
3/8/2019	<0.01			0.0026 (J)		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	0.0025 (J)		
3/4/2020	<0.01	<0.01			0.0018 (J)	<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.01	<0.01	<0.01
9/8/2020	<0.01	<0.01	<0.01			

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.01					
9/17/2014		<0.01	<0.01	<0.01	<0.01	
9/18/2014						<0.01
10/4/2014	<0.01	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	<0.01	<0.01	<0.01	<0.01	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	<0.01		<0.01		
3/3/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	<0.01
4/6/2015	<0.01	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
5/5/2016			<0.01	<0.01		
5/9/2016					<0.01	<0.01
5/10/2016	<0.01	<0.01				
7/13/2016	<0.01		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
9/12/2016				<0.01	<0.01	<0.01
9/13/2016			<0.01			
9/14/2016		<0.01				
9/15/2016	<0.01					
10/31/2016			<0.01		<0.01	<0.01
11/1/2016		<0.01		<0.01		
11/2/2016	<0.01					
1/11/2017	<0.01	<0.01		<0.01	<0.01	
1/12/2017			<0.01			<0.01
3/20/2017	<0.01			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
5/22/2017				<0.01	<0.01	<0.01
5/23/2017	<0.01	<0.01	<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01 (D)
9/9/2019	<0.01		<0.01		<0.01	
9/10/2019		<0.01				
3/4/2020	<0.01				<0.01	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			
9/4/2020						<0.01
9/9/2020	<0.01	<0.01	<0.01	<0.01	<0.01	

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.01	<0.01
9/18/2014	<0.01	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	<0.01	<0.01	<0.01		
10/22/2014	<0.01	<0.01	<0.01		
10/23/2014				<0.01	<0.01
11/5/2014	<0.01	<0.01	<0.01		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	<0.01	<0.01	<0.01	<0.01	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	<0.01	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	<0.01				<0.01
3/9/2016			<0.01		
5/4/2016					<0.01
5/5/2016		<0.01		<0.01	
5/6/2016			<0.01		
5/9/2016	<0.01				
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	<0.01		<0.01		
7/18/2016					<0.01
9/9/2016	<0.01				
9/12/2016		<0.01			
9/13/2016				<0.01	<0.01
9/14/2016			<0.01		
10/27/2016	<0.01	<0.01		<0.01	<0.01
11/1/2016			<0.01		
1/12/2017	<0.01				
1/13/2017		<0.01		<0.01	<0.01
1/25/2017			<0.01		
3/16/2017					<0.01
3/20/2017		<0.01		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
5/19/2017				<0.01	<0.01
5/23/2017	<0.01	<0.01			
5/24/2017			<0.01		
9/19/2017	<0.01	<0.01		<0.01	<0.01
9/21/2017			<0.01		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	<0.01		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		<0.01		<0.01 (D)	<0.01
9/6/2019	<0.01		<0.01		
3/3/2020	<0.01	<0.01		<0.01	<0.01
3/5/2020			<0.01		
9/4/2020					<0.01
9/8/2020	<0.01	<0.01			
9/9/2020			0.0017 (J)	<0.01	

Time Series

Constituent: Silver (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	<0.01				
9/16/2014			<0.01	0.00051 (J)		
10/3/2014	<0.01	<0.01	<0.01	<0.01		
10/20/2014	<0.01	<0.01	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	<0.01		
3/2/2015	<0.01	<0.01	<0.01	<0.01		
3/17/2015	<0.01	<0.01	<0.01	<0.01		
4/5/2015	<0.01	<0.01	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	<0.01				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					<0.01	<0.01
5/25/2015					<0.01	<0.01
6/8/2015					<0.01	<0.01
6/18/2015					<0.01	<0.01
6/24/2015					<0.01	<0.01
6/30/2015					<0.01	<0.01
7/6/2015					<0.01	<0.01
7/28/2015	<0.01	<0.01	<0.01	<0.01		
8/12/2015					<0.01	<0.01
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	<0.01 (D)	
7/8/2016			<0.01			<0.01
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				<0.01 (D)	<0.01
3/23/2017				<0.01		
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	<0.01 (D)	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	<0.01	<0.01	<0.01	<0.01 (D)	<0.01	<0.01
3/2/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/3/2020					<0.01	
9/3/2020	<0.01		<0.01	<0.01		<0.01
9/9/2020					<0.01	
9/14/2020		<0.01				

Time Series

Constituent: Silver (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		<0.01	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		<0.01	<0.01	<0.01	
5/19/2015						<0.01
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	<0.01	<0.01
6/17/2015	<0.01		<0.01	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	<0.01	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	<0.01	<0.01	<0.01			
8/13/2015				<0.01	<0.01	<0.01
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	<0.01	<0.01
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	<0.01		
3/4/2020	<0.01	<0.01			<0.01	<0.01
9/4/2020				<0.01	<0.01	<0.01
9/8/2020	<0.01	<0.01	<0.01			

Time Series

Constituent: Silver (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.01					
9/17/2014		<0.01	<0.01	0.00058 (J)	<0.01	
9/18/2014						<0.01
10/4/2014	<0.01	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	<0.01	<0.01	<0.01	<0.01	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	0.0007 (J)		<0.01		
3/3/2015	<0.01	0.00052 (J)	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	<0.01
4/6/2015	0.0013 (J)	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	<0.01		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	<0.01			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01 (D)
9/9/2019	<0.01		<0.01		<0.01	
9/10/2019		<0.01				
3/4/2020	<0.01				<0.01	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			
9/4/2020						<0.01
9/9/2020	<0.01	<0.01	<0.01	<0.01	<0.01	

Time Series

Constituent: Silver (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.01	<0.01
9/18/2014	<0.01	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	<0.01	<0.01	<0.01		
10/22/2014	<0.01	<0.01	<0.01		
10/23/2014				<0.01	<0.01
11/5/2014	<0.01	<0.01	<0.01		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	<0.01	<0.01	<0.01	<0.01	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	<0.01	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	<0.01				<0.01
3/9/2016			<0.01		
7/12/2016				<0.01	
7/14/2016		<0.01			
7/15/2016	<0.01		<0.01		
7/18/2016					<0.01
3/16/2017					<0.01
3/20/2017		<0.01		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
9/19/2017	<0.01	<0.01		<0.01	<0.01
9/21/2017			<0.01		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	<0.01		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		<0.01		<0.01 (D)	<0.01
9/6/2019	<0.01		<0.01		
3/3/2020	<0.01	<0.01		<0.01	<0.01
3/5/2020			<0.01		
9/4/2020					<0.01
9/8/2020	<0.01	<0.01			
9/9/2020			<0.01	<0.01	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						5.7396
3/1/2016	2.5655	6.8929	0.9427 (J)			
3/2/2016				2.5669		
5/2/2016	1.64	1.6				
5/3/2016			0.87 (J)	1.83		
5/4/2016					16.8 (D)	6.87
7/6/2016		1.7				
7/7/2016	1.7			1.8	18 (D)	
7/8/2016			0.79 (J)			8.1
9/7/2016	1.8	1.5	0.85 (J)			
9/8/2016				0.97 (J)	18 (D)	6.6
10/25/2016	1.4	1.8	0.74 (J)	1.2		
10/26/2016					20 (D)	4.7
1/5/2017	1.9 (J)	4.6				
1/6/2017			0.64 (J)		21 (D)	4.8
2/9/2017				0.31 (J)		
3/14/2017		2.8	0.77 (J)			
3/15/2017	1.2				17 (D)	3.9
3/23/2017				0.54 (J)		
5/16/2017		2.1	0.48 (J)			
5/17/2017	1.2			0.66 (J)		5.2
5/18/2017					19 (D)	
7/19/2017					10 (D)	
9/15/2017	1	3	0.76 (J)			4.4
9/19/2017				2	22 (D)	
3/12/2018	0.77 (J)	8.2	0.42 (J)			
3/13/2018				1.5	27.3	8.5
9/6/2018	0.8 (J)	1.5	0.37 (J)	1.4		7.2
9/7/2018					26.9	
3/6/2019	0.45 (J)		0.46 (J)			
3/7/2019		4.3		1.1		12.7
3/8/2019					23.6	
9/4/2019	0.68 (J)	1.8	<1	0.83 (J)	22.9	4.2
3/2/2020	<1	7.9	<1	0.5 (J)		16.3
3/3/2020					21.5	
9/3/2020	0.65 (J)		<1	0.58 (J)		3.5
9/9/2020					21.8	
9/14/2020		1.3				

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	1.799	2.0407	7.1892	32.178		
3/3/2016					22.316	132.4615
5/3/2016	1.94	1.86		39.2	20.8	
5/4/2016			7.22			
5/9/2016						34.3
7/8/2016	2		6.7			
7/11/2016		2		16	17	58
9/7/2016		1.9				
9/8/2016	1.9		7			
9/9/2016				9.7	14	66
10/26/2016	2.1		6.4	9.2		76
10/27/2016		2.1			15	
1/6/2017		2				
1/9/2017	1.9		5.9	9.3	17	85
3/15/2017			6.2			100
3/16/2017	2	1.9		6.9	15	
5/18/2017			6.1	7.9	24	87
5/19/2017	2	1.9				
9/15/2017			5.8	17		110
9/18/2017					22	
9/19/2017	2	2.1				
3/12/2018				28.7	22	
3/13/2018	1.9	1.9	4.9			94.8
9/6/2018			3.5			
9/7/2018				27.4	22.4	101
9/11/2018	1.9	1.8				
3/7/2019			2.6		25	88.7
3/8/2019	1.8			31.8		
3/12/2019		2.2				
9/4/2019						67.8
9/5/2019	1.5	1.5	2.4	21.5	22.7	
3/3/2020			1.7	29		
3/4/2020	1.5	1.7			23.4	69.4
9/4/2020				20.4	16.1	54.9
9/8/2020	1.4	1.4	1.8			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.1809 (D)					
3/4/2016		9.3417				
3/7/2016			1.7468	2.3258	3.3556	
3/8/2016						0.0196 (J)
5/5/2016			2.27	2.42		
5/9/2016					3.62	1.15
5/10/2016	4.6	6.65				
7/13/2016	2.3		2.1	2.5		
7/14/2016		5.7			3.5	1.3
9/12/2016				2.3	3.3	1.3
9/13/2016			2.1			
9/14/2016		5.8				
9/15/2016	5.6					
10/31/2016			1.5		3.5	1.4
11/1/2016		6.6				
11/2/2016	7.5					
1/11/2017	8.3	6.5		2.5	3.2	
1/12/2017			1.9			1.4
3/20/2017	10			2.4		
3/21/2017		6.4			3.4	
3/22/2017						1.7
3/23/2017			2.1			
5/22/2017				2.5	3.3	1.5
5/23/2017	9.5	6.3	2			
9/19/2017						1.3
9/20/2017					3.4	
9/21/2017	8.9			2.4		
9/22/2017		6.9				
9/25/2017			2.1			
3/14/2018	8.8	7	2.2	2.2	3.4	1.6
9/7/2018	6.5			2.2		
9/10/2018					3.4	1.7
9/11/2018		5.8	2			
3/11/2019	11					
3/12/2019		25.9 (O)	2.3	2.6	4.3	1.5
9/6/2019				2		1.45 (D)
9/9/2019	3.8		1.8		3.7	
9/10/2019		6				
3/4/2020	8.4				3.6	
3/5/2020		7.7		1.9		1.1
3/6/2020			2			
9/4/2020						1.1
9/9/2020	2.8	5.6	1.4	1.9	3.4	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				1.0816	
3/7/2016		2.1008			
3/8/2016	1.3858				1.3157
3/9/2016			26.4322		
5/4/2016					1.46
5/5/2016		2.16		11.3	
5/6/2016			17.7		
5/9/2016	2.94				
7/12/2016				8.8	
7/14/2016		2.3			
7/15/2016	3		12		
7/18/2016					1.5
9/9/2016	3.2				
9/13/2016				5.4	1.5
9/14/2016			12		
10/27/2016	3.6	2.3		9.9	1.7
11/1/2016			10		
1/12/2017	3.9				
1/13/2017		2.3		7.8	2
1/25/2017			8.2		
3/16/2017					1.6
3/20/2017		2.4		2.3	
3/21/2017	4.8				
3/22/2017			13		
5/19/2017				2.4	1.5
5/23/2017	5.4	2.4			
5/24/2017			10		
9/19/2017	5.6	2.2		2.3	1.8
9/21/2017			16		
3/13/2018		2.4		1.4	1.7
3/14/2018	<1		14		
9/7/2018		1.8			
9/10/2018	4.8				
9/11/2018			14.9	1.7	1.7
3/8/2019				1.9	1.6
3/11/2019	3.4	2			
3/12/2019			17.7		
9/5/2019		1.7		1.8 (D)	1.6
9/6/2019	6		9.5		
3/3/2020	11.3	1.7		2	1.6
3/5/2020			10.8		
9/4/2020					1.6
9/8/2020	9.6	1.3			
9/9/2020			124	1.9	
12/15/2020			61.2		

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.001					
9/16/2014			<0.001	<0.001		
10/3/2014	<0.001	<0.001	<0.001			
10/6/2014				<0.001		
10/20/2014	<0.001	<0.001	<0.001	<0.001		
11/10/2014	<0.001	<0.001	<0.001	<0.001		
3/2/2015	<0.001	<0.001	<0.001	<0.001		
3/17/2015	<0.001	0.0001 (J)	<0.001	<0.001		
4/5/2015	<0.001	7E-05 (J)	<0.001			
4/6/2015				<0.001		
4/21/2015	<0.001	<0.001				
4/22/2015			<0.001	<0.001		
5/13/2015					0.0003 (J)	<0.001
5/20/2015					9E-05 (J)	6E-05 (J)
5/27/2015					<0.001	<0.001
6/8/2015					<0.001	<0.001
6/18/2015					<0.001	<0.001
6/24/2015					<0.001	<0.001
6/30/2015					6E-05 (J)	<0.001
7/6/2015					<0.001	<0.001
7/28/2015	<0.001	<0.001	<0.001	<0.001		
8/12/2015					<0.001	<0.001
2/29/2016						<0.001
3/1/2016	<0.001	<0.001	<0.001			
3/2/2016				<0.001		
5/2/2016	<0.001	<0.001				
5/3/2016			<0.001	<0.001		
5/4/2016					<0.001 (D)	<0.001
7/6/2016		<0.001				
7/7/2016	9E-05 (J)			<0.001	<0.001 (D)	
7/8/2016			<0.001			0.0002 (J)
9/7/2016	<0.001	<0.001	<0.001			
9/8/2016				<0.001	<0.001 (D)	<0.001
10/25/2016	<0.001	<0.001	<0.001	<0.001		
10/26/2016					<0.001 (D)	<0.001
1/5/2017	<0.001	<0.001				
1/6/2017			<0.001		<0.001 (D)	<0.001
2/9/2017				<0.001		
3/14/2017		<0.001	<0.001			
3/15/2017	4E-05 (J)				4E-05 (JD)	4E-05 (J)
3/23/2017				<0.001		
5/16/2017		<0.001	<0.001			
5/17/2017	<0.001			<0.001		<0.001
5/18/2017					6E-05 (JD)	
7/19/2017					<0.001 (D)	
9/15/2017	<0.001	<0.001	<0.001			<0.001
9/19/2017				<0.001	6E-05 (JD)	
3/12/2018	<0.001	<0.001	<0.001			
3/13/2018				<0.001	<0.001	<0.001
9/6/2018	<0.001	<0.001	<0.001	<0.001		<0.001
9/7/2018					<0.001	
3/6/2019	<0.001		<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/7/2019		<0.001		<0.001		<0.001
3/8/2019					<0.001	
9/4/2019	<0.001	<0.001	<0.001	<0.001 (D)	0.00014 (J)	<0.001
3/2/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/3/2020					0.00012 (J)	
9/3/2020	<0.001		<0.001	<0.001		<0.001
9/9/2020					<0.001	
9/14/2020		<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/13/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/20/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/27/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
6/8/2015	9E-05 (J)	<0.001 (D)				
6/9/2015			0.0001 (J)	<0.001	<0.001	<0.001
6/17/2015	7E-05 (J)		0.0001 (J)	8E-05 (J)	<0.001	<0.001
6/24/2015	<0.001	<0.001			<0.001	
6/25/2015			0.0001 (J)	7E-05 (J)		<0.001
6/30/2015	9E-05 (J)	<0.001				
7/1/2015			0.0001 (J)	<0.001	<0.001	<0.001
7/6/2015	<0.001	<0.001				
7/7/2015			9E-05 (J)	0.0001 (J)	<0.001	<0.001
8/12/2015	7E-05 (J)	<0.001	7E-05 (J)			
8/13/2015				8E-05 (J)	<0.001	<0.001
3/2/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	<0.001
5/3/2016	<0.001	<0.001		<0.001	<0.001	
5/4/2016			<0.001			
5/9/2016						<0.001
7/8/2016	6E-05 (J)		<0.001			
7/11/2016		<0.001		<0.001	<0.001	<0.001
9/7/2016		<0.001				
9/8/2016	<0.001		<0.001			
9/9/2016				<0.001	<0.001	<0.001
10/26/2016	<0.001		<0.001	<0.001		<0.001
10/27/2016		<0.001			<0.001	
1/6/2017		<0.001				
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001
3/15/2017			4E-05 (J)			<0.001
3/16/2017	4E-05 (J)	<0.001		0.0001 (J)	5E-05 (J)	
5/18/2017			<0.001	0.0001 (J)	<0.001	<0.001
5/19/2017	<0.001	<0.001				
9/15/2017			<0.001	0.0001 (J)		<0.001
9/18/2017					<0.001	
9/19/2017	<0.001	<0.001				
3/12/2018				<0.001	<0.001	
3/13/2018	<0.001	<0.001	<0.001			<0.001
9/6/2018			<0.001			
9/7/2018				<0.001	<0.001	<0.001
9/11/2018	<0.001	<0.001				
3/7/2019			<0.001		<0.001	<0.001
3/8/2019	<0.001			<0.001		
3/12/2019		<0.001				
9/4/2019						<0.001
9/5/2019	<0.001	<0.001	<0.001	0.00011 (J)	<0.001	
3/3/2020			7.9E-05 (J)	6.5E-05 (J)		
3/4/2020	<0.001	<0.001			<0.001	<0.001
9/4/2020				<0.001	<0.001	<0.001
9/8/2020	<0.001	<0.001	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0004 (J)					
9/17/2014		<0.001	0.0002 (J)	<0.001	<0.001	
9/18/2014						0.0001 (J)
10/4/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/5/2014						0.0001 (J)
10/21/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/22/2014						0.0001 (J)
11/5/2014			0.0003 (J)		<0.001	0.0002 (J)
11/11/2014	0.0005 (J)	<0.001		<0.001		
3/3/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
3/4/2015						0.0001 (J)
3/18/2015	0.0005 (J)	<0.001	0.0002 (J)	<0.001		
3/19/2015					<0.001	0.0001 (J)
4/6/2015	0.0004 (J)	<0.001				
4/7/2015			0.0002 (J)	<0.001	<0.001	0.0001 (J)
4/23/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001		
4/24/2015					<0.001	0.0001 (J)
7/29/2015	0.0003 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
7/30/2015						<0.001
3/3/2016	0.002222 (D)					
3/4/2016		<0.001				
3/7/2016			<0.001	<0.001	<0.001	
3/8/2016						<0.001
5/5/2016			<0.001	<0.001		
5/9/2016					<0.001	<0.001
5/10/2016	<0.001	<0.001				
7/13/2016	<0.001		<0.001	<0.001		
7/14/2016		<0.001			<0.001	<0.001
9/12/2016				<0.001	<0.001	<0.001
9/13/2016			<0.001			
9/14/2016		<0.001				
9/15/2016	<0.001					
10/31/2016			<0.001		<0.001	<0.001
11/1/2016		<0.001		<0.001		
11/2/2016	<0.001					
1/11/2017	0.0003 (J)	<0.001		<0.001	<0.001	
1/12/2017			<0.001			<0.001
3/20/2017	0.0003 (J)			<0.001		
3/21/2017		<0.001			<0.001	
3/22/2017						4E-05 (J)
3/23/2017			0.0001 (J)			
5/22/2017				<0.001	<0.001	5E-05 (J)
5/23/2017	0.0003 (J)	<0.001	0.0001 (J)			
9/19/2017						6E-05 (J)
9/20/2017					<0.001	
9/21/2017	0.0002 (J)			<0.001		
9/22/2017		<0.001				
9/25/2017			0.0001 (J)			
3/14/2018	0.00018 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
9/7/2018	0.00016 (J)			<0.001		
9/10/2018					<0.001	<0.001
9/11/2018		<0.001	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.00026 (J)					
3/12/2019		<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2019				<0.001		<0.001 (D)
9/9/2019	6E-05 (J)		<0.001		<0.001	
9/10/2019		<0.001				
3/4/2020	0.00014 (J)				<0.001	
3/5/2020		<0.001		<0.001		<0.001
3/6/2020			7.6E-05 (J)			
9/4/2020						<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				<0.001	<0.001
9/18/2014	0.0002 (J)	<0.001	0.0002 (J)		
10/4/2014				<0.001	<0.001
10/5/2014	0.0002 (J)	0.0001 (J)	0.0003 (J)		
10/22/2014	0.0002 (J)	<0.001	0.0002 (J)		
10/23/2014				<0.001	<0.001
11/5/2014	0.0002 (J)	0.0001 (J)			
11/10/2014				<0.001	<0.001
3/4/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001	<0.001
3/19/2015	0.0002 (J)	0.0001 (J)			
3/20/2015			0.0002 (J)	<0.001	<0.001
4/8/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001	
4/9/2015					<0.001
4/23/2015			0.0002 (J)	<0.001	<0.001
4/24/2015	0.0002 (J)	0.0001 (J)			
7/30/2015	0.0001 (J)	0.0001 (J)	0.0001 (J)	<0.001	<0.001
3/4/2016				<0.001	
3/7/2016		<0.001			
3/8/2016	<0.001				<0.001
3/9/2016			0.0033 (Jo)		
5/4/2016					<0.001
5/5/2016		<0.001		<0.001	
5/6/2016			<0.001		
5/9/2016	0.000353 (J)				
7/12/2016				<0.001	
7/14/2016		<0.001			
7/15/2016	<0.001		<0.001		
7/18/2016					<0.001
9/9/2016	<0.001				
9/12/2016		<0.001			
9/13/2016				<0.001	<0.001
9/14/2016			0.0002 (J)		
10/27/2016	<0.001	<0.001		<0.001	<0.001
11/1/2016			<0.001		
1/12/2017	<0.001				
1/13/2017		<0.001		<0.001	<0.001
1/25/2017			<0.001		
3/16/2017					<0.001
3/20/2017		<0.001		<0.001	
3/21/2017	<0.001				
3/22/2017			0.0001 (J)		
5/19/2017				<0.001	<0.001
5/23/2017	0.0002 (J)	0.0001 (J)			
5/24/2017			0.0001 (J)		
9/19/2017	0.0002 (J)	8E-05 (J)		<0.001	<0.001
9/21/2017			0.0002 (J)		
3/13/2018		0.00017 (J)		<0.001	<0.001
3/14/2018	<0.001		<0.001		
9/7/2018		<0.001			
9/10/2018	<0.001				
9/11/2018			<0.001	<0.001	<0.001
3/8/2019				<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/11/2019	<0.001	0.00015 (J)			
3/12/2019			<0.001		
9/5/2019		5.5E-05 (J)		<0.001 (D)	<0.001
9/6/2019	0.0002 (J)		0.0003 (J)		
3/3/2020	7.1E-05 (J)	7.2E-05 (J)		<0.001	<0.001
3/5/2020			0.00018 (J)		
9/4/2020					<0.001
9/8/2020	<0.001	0.00016 (J)			
9/9/2020			0.00016 (J)	<0.001	

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 12:52 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						134 (D)
3/1/2016	96 (D)	150 (D)	34 (D)			
3/2/2016				34 (D)		
5/2/2016	63 (D)	105 (D)				
5/3/2016			<10 (D)	<10 (D)		
5/4/2016					175 (D)	113 (D)
7/6/2016		113 (D)				
7/7/2016	105 (D)			39 (D)	204 (D)	
7/8/2016			14 (JD)			152 (D)
9/7/2016	103 (D)	169 (D)	16 (JD)			
9/8/2016				<10 (D)	141 (D)	124 (D)
10/25/2016	101 (D)	152 (D)	<10 (D)	<10 (D)		
10/26/2016					153 (D)	134 (D)
1/5/2017	155	229				
1/6/2017			189 (O)		329 (D)	
2/9/2017				65		
3/14/2017		188	90			
3/15/2017	96				197 (D)	139
3/23/2017				<10		
5/16/2017		147	20 (J)			
5/17/2017	110			113		156
5/18/2017					250 (D)	
7/19/2017					195 (D)	
9/15/2017	89	146	14 (J)			141
9/19/2017				21 (J)	255 (D)	
3/12/2018	81	169	<10			
3/13/2018				33	233	150
9/6/2018	107	155	<10	<10		160
9/7/2018					232	
3/6/2019	71 (J)		22 (J)			
3/7/2019		135		84		159
3/8/2019					244	
9/4/2019	83	142	26	44	207	135
3/2/2020	65	170	<10	32		142
3/3/2020					211	
9/3/2020	90		25	21		132
9/9/2020					205	
9/14/2020		156				

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 12:52 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	130 (D)	134 (D)	125 (D)	185 (D)		
3/3/2016					181 (D)	403 (D)
5/3/2016	99 (D)	76 (D)		182 (D)	123 (D)	
5/4/2016			77 (D)			
5/9/2016						182 (D)
7/8/2016	132 (D)		139 (D)			
7/11/2016		142 (D)		195 (D)	149 (D)	262 (D)
9/7/2016		143 (D)				
9/8/2016	108 (D)		110 (D)			
9/9/2016				140 (D)	133 (D)	272 (D)
10/26/2016	113 (D)		115 (D)	148 (D)		276 (D)
10/27/2016		114 (D)			168 (D)	
1/9/2017	146		121	171	166	317
3/15/2017			132			355
3/16/2017	132	146		176	189	
5/18/2017			174	184	192	382
5/19/2017	114	129				
9/15/2017			124	194		362
9/18/2017					184	
9/19/2017	154	165				
3/12/2018				212	207	
3/13/2018	138	132	133			349
9/6/2018			135			
9/7/2018				240	202	377
9/11/2018	140	142				
3/7/2019			111		212	410
3/8/2019	143			248		
3/12/2019		150 (J)				
9/4/2019						326
9/5/2019	148	142	132	229	183	
3/3/2020			91	210		
3/4/2020	146	157			207	325
9/4/2020				226	180	267
9/8/2020	138	124	116			

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 12:52 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	306 (D)					
3/4/2016		348 (D)				
3/7/2016			100 (D)	167 (D)	172 (D)	
3/8/2016						207 (D)
5/5/2016			63 (D)	119 (D)		
5/9/2016					206 (D)	189 (D)
5/10/2016	275 (D)	342 (D)				
7/13/2016	234 (D)		63 (D)	135 (D)		
7/14/2016		335 (D)			136 (D)	193 (D)
9/12/2016				129 (D)	171 (D)	201 (D)
9/13/2016			81 (D)			
9/14/2016		335 (D)				
9/15/2016	259 (D)					
10/31/2016			40 (D)		160 (D)	215 (D)
11/1/2016		296 (D)		121 (D)		
11/2/2016	260 (D)					
1/11/2017	306	376		177	214	
1/12/2017			92			198
3/20/2017	304			149		
3/21/2017		346			175 (J)	
3/23/2017			116			
5/22/2017				119	129	197
5/23/2017	297	320	107			
9/19/2017						225
9/20/2017					173	
9/21/2017	307			166		
9/22/2017		337				
9/25/2017			110			
12/29/2017						198 (Y)
3/14/2018	312	323	115	139	156	167
9/7/2018	298			149		
9/10/2018					172	184
9/11/2018		317	102			
3/11/2019	344					
3/12/2019		306	135 (J)	143 (J)	156 (J)	191 (J)
9/6/2019				141		179
9/9/2019	275		95		172	
9/10/2019		312				
3/4/2020	326				157	
3/5/2020		307		143		171
3/6/2020			109			
9/4/2020						212
9/9/2020	297	285	88	120	152	

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 12:52 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
3/4/2016				209 (D)	
3/7/2016		163 (D)			
3/8/2016	318 (D)				177 (D)
3/9/2016			287 (D)		
5/4/2016					97 (D)
5/5/2016		140 (D)		152 (D)	
5/6/2016			284 (D)		
5/9/2016	136 (D)				
7/12/2016				157 (D)	
7/14/2016		161 (D)			
7/15/2016	237 (D)		249 (D)		
7/18/2016					150 (D)
9/9/2016	263 (D)				
9/12/2016		168 (D)			
9/13/2016				154 (D)	159 (D)
9/14/2016			273 (D)		
10/27/2016	283 (D)	140 (D)		162 (D)	143 (D)
11/1/2016			258 (D)		
1/12/2017	276				
1/13/2017		147 (J)		165	158
1/25/2017			340		
3/16/2017					167
3/20/2017		186		205 (J)	
3/21/2017	385				
3/22/2017			264		
5/19/2017				149	150
5/23/2017	294	183			
5/24/2017			331		
9/19/2017	302	167		153	146
9/21/2017			347		
3/13/2018		159		153	153
3/14/2018	306		290		
9/7/2018		169			
9/10/2018	328				
9/11/2018			295	152	153
3/8/2019				164	155
3/11/2019	311	166			
3/12/2019			310 (J)		
9/5/2019		171		155.5 (D)	177
9/6/2019	291		300		
3/3/2020	292	181		146	183
3/5/2020			265		
9/4/2020					172
9/8/2020	297	157			
9/9/2020			501	155	
12/15/2020			351		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.0073				
9/16/2014			<0.01	0.00085 (J)		
10/3/2014	<0.01	<0.01	<0.01	0.00096 (J)		
10/20/2014	<0.01	0.0045 (J)	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	0.00095 (J)		
3/2/2015	<0.01	<0.01	<0.01	0.0041 (J)		
3/17/2015	<0.01	<0.01	<0.01	0.0018 (J)		
4/5/2015	<0.01	0.0014 (J)	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	0.0029 (J)				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					0.0044 (J)	<0.01
5/25/2015					0.0025 (J)	<0.01
6/8/2015					0.0042 (J)	0.0012 (J)
6/18/2015					0.0056	<0.01
6/24/2015					0.016	<0.01
6/30/2015					0.013	<0.01
7/6/2015					0.012	0.0011 (J)
7/28/2015	<0.01	0.0031 (J)	<0.01	<0.01		
8/12/2015					0.0279 (o)	0.000519 (J)
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	<0.01 (D)	
7/8/2016			0.0028 (J)			<0.01
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				<0.01 (D)	<0.01
3/23/2017				<0.01		
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	<0.01 (D)	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	<0.01	<0.01	0.00073 (J)	0.00288 (D)	<0.01	<0.01
3/2/2020	<0.01	<0.01	0.00074 (J)	0.0014 (J)		<0.01
3/3/2020					0.00091 (J)	
9/3/2020	<0.01		<0.01	<0.01		<0.01
9/9/2020					<0.01	
9/14/2020		<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		0.0018 (J)	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		0.0014 (J)	0.0014 (J)	0.0017 (J)	
5/19/2015						0.0015 (J)
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	0.0033 (J)	<0.01
6/17/2015	<0.01		0.0015 (J)	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0031 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	0.000525 (J)	0.000172 (J)	0.000656 (J)	0.000246 (J)	0.000187 (J)	0.000497 (J)
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	<0.01	<0.01
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	<0.01		
3/4/2020	<0.01	<0.01			<0.01	<0.01
9/4/2020				<0.01	<0.01	<0.01
9/8/2020	<0.01	<0.01	<0.01			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0019 (J)					
9/17/2014		<0.01	<0.01	0.001 (J)	<0.01	
9/18/2014						<0.01
10/4/2014	0.005	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	0.00089 (J)	<0.01	<0.01	0.00084 (J)	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	0.0012 (J)		<0.01		
3/3/2015	0.00093 (J)	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	0.0012 (J)
4/6/2015	<0.01	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01 (D)					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	0.0021 (J)		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	0.0019 (J)			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01 (D)
9/9/2019	0.00091 (J)		0.00078 (J)		0.00081 (J)	
9/10/2019		<0.01				
3/4/2020	0.0023 (J)				0.00096 (J)	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			
9/4/2020						<0.01
9/9/2020	<0.01	<0.01	<0.01	<0.01	<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 1/26/2021 12:52 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				0.0012 (J)	<0.01
9/18/2014	<0.01	<0.01	<0.01		
10/4/2014				<0.01	<0.01
10/5/2014	<0.01	<0.01	<0.01		
10/22/2014	<0.01	<0.01	0.00083 (J)		
10/23/2014				<0.01	<0.01
11/5/2014	<0.01	<0.01	0.0014 (J)		
11/10/2014				<0.01	<0.01
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/19/2015	<0.01	<0.01			
3/20/2015			<0.01	<0.01	<0.01
4/8/2015	<0.01	<0.01	0.0017 (J)	0.0012 (J)	
4/9/2015					<0.01
4/23/2015			<0.01	<0.01	<0.01
4/24/2015	<0.01	<0.01			
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01
3/4/2016				<0.01	
3/7/2016		<0.01			
3/8/2016	<0.01				<0.01
3/9/2016			<0.01		
7/12/2016				0.002 (J)	
7/14/2016		<0.01			
7/15/2016	<0.01		<0.01		
7/18/2016					<0.01
3/16/2017					<0.01
3/20/2017		<0.01		<0.01	
3/21/2017	<0.01				
3/22/2017			<0.01		
9/19/2017	<0.01	<0.01		0.0012 (J)	<0.01
9/21/2017			<0.01		
3/13/2018		<0.01		<0.01	<0.01
3/14/2018	<0.01		<0.01		
9/7/2018		<0.01			
9/10/2018	<0.01				
9/11/2018			<0.01	<0.01	<0.01
3/8/2019				<0.01	<0.01
3/11/2019	<0.01	<0.01			
3/12/2019			<0.01		
9/5/2019		0.00094 (J)		0.0012 (JD)	<0.01
9/6/2019	0.0012 (J)		0.0011 (J)		
3/3/2020	0.00085 (J)	<0.01		0.0011 (J)	<0.01
3/5/2020			0.00071 (J)		
9/4/2020					<0.01
9/8/2020	<0.01	<0.01			
9/9/2020			<0.01	<0.01	

Time Series

Constituent: Zinc (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.15	0.44 (o)				
9/16/2014			0.0062	0.0054		
10/3/2014	0.04	0.021	0.0085	0.007		
10/20/2014	0.042	0.19	0.0087	0.0052		
11/10/2014	0.1	0.0014 (J)	0.01	0.0054		
3/2/2015	0.073	0.032	0.0077	0.041 (o)		
3/17/2015	0.2	0.034	0.0086	0.014		
4/5/2015	0.29	0.089	0.0098			
4/6/2015				0.0044		
4/21/2015	0.46	0.16				
4/22/2015			0.0049	0.0023 (J)		
5/8/2015					0.015	<0.02
5/17/2015					0.12 (o)	0.0017 (J)
5/25/2015					0.023	0.003
6/8/2015					0.016	0.0025
6/18/2015					0.016	0.0019 (J)
6/24/2015					0.022	0.0028
6/30/2015					0.017	<0.02
7/6/2015					0.01	<0.02
7/28/2015	0.26	0.15	0.0099	0.0035		
8/12/2015					0.0047 (BJ)	0.0033 (BJ)
2/29/2016						<0.02
3/1/2016	0.378	0.0627	0.00756 (J)			
3/2/2016				0.0029 (J)		
7/6/2016		0.0532				
7/7/2016	0.263			0.0023 (J)	0.0073 (JD)	
7/8/2016			0.0098 (J)			<0.02
3/14/2017		0.0401	0.0042 (J)			
3/15/2017	0.382				<0.02 (D)	0.0013 (J)
3/23/2017				<0.02		
9/15/2017	0.406	0.0338	0.0032 (J)			<0.02
9/19/2017				0.002 (J)	<0.02 (D)	
3/12/2018	0.5	0.042	0.0025 (J)			
3/13/2018				<0.02	<0.02	<0.02
9/6/2018	0.37	0.045	<0.02	<0.02		<0.02
9/7/2018					<0.02	
3/6/2019	0.56		0.0035 (J)			
3/7/2019		0.043		<0.02		<0.02
3/8/2019					<0.02	
9/4/2019	0.34	0.052	0.0086 (J)	0.00565 (JD)	0.0051 (J)	0.0045 (J)
3/2/2020	0.54	0.056	0.0063 (J)	0.0032 (J)		0.0024 (J)
3/3/2020					0.0035 (J)	
9/3/2020	0.35		0.0049 (J)	<0.02		<0.02
9/9/2020					<0.02	
9/14/2020		0.053				

Time Series

Constituent: Zinc (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.0022 (J)				
5/9/2015	0.0023 (J)		<0.02	<0.02	<0.02	<0.02
5/17/2015		<0.02				
5/18/2015	0.0034		0.0019 (J)	0.0016 (J)	0.0033	
5/19/2015						0.0045
5/25/2015	<0.02	0.0022 (J)	0.0022 (J)			
5/26/2015				<0.02	0.0022 (J)	0.0038
6/8/2015	0.0015 (J)	0.0015 (J)				
6/9/2015			0.0015 (J)	0.0026	0.0082	0.0037
6/17/2015	<0.02		0.0035	0.0017 (J)	<0.02	0.0018 (J)
6/18/2015		0.0026				
6/24/2015	<0.02	0.0015 (J)				
6/25/2015			<0.02	<0.02	<0.02	<0.02
6/30/2015	<0.02	0.0015 (J)				
7/1/2015			<0.02	<0.02	0.0064	<0.02
7/6/2015	<0.02	<0.02				
7/7/2015			<0.02	<0.02	<0.02	<0.02
8/12/2015	0.004 (BJ)	0.0031 (BJ)	0.0015 (BJ)			
8/13/2015				0.002 (BJ)	0.0028 (BJ)	0.0017 (BJ)
3/2/2016	0.0035 (J)	0.0028 (J)	<0.02	<0.02		
3/3/2016					<0.02	<0.02
7/8/2016	<0.02		0.0029 (J)			
7/11/2016		<0.02		<0.02	<0.02	0.0018 (J)
3/15/2017			0.0024 (J)			0.0034 (J)
3/16/2017	0.0029 (J)	0.0018 (J)		0.0015 (J)	0.0054 (J)	
9/15/2017			0.0016 (J)	<0.02		<0.02
9/18/2017					<0.02	
9/19/2017	0.0018 (J)	<0.02				
3/12/2018				<0.02	<0.02	
3/13/2018	0.0021 (J)	<0.02	0.0023 (J)			0.0029 (J)
9/6/2018			<0.02			
9/7/2018				<0.02	<0.02	<0.02
9/11/2018	<0.02	<0.02				
3/7/2019			<0.02		<0.02	<0.02
3/8/2019	<0.02			<0.02		
3/12/2019		<0.02				
9/4/2019						0.0052 (J)
9/5/2019	0.0064 (J)	0.0098 (J)	0.0048 (J)	0.0056 (J)	0.0045 (J)	
3/3/2020			0.0024 (J)	0.005 (J)		
3/4/2020	0.004 (J)	0.0027 (J)			0.0028 (J)	0.0029 (J)
9/4/2020				<0.02	<0.02	<0.02
9/8/2020	<0.02	<0.02	<0.02			

Time Series

Constituent: Zinc (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.072					
9/17/2014		0.0028	0.0035	0.002 (J)	0.0026	
9/18/2014						0.0023 (J)
10/4/2014	0.078	0.0038	0.0032	0.001 (J)	0.0034	
10/5/2014						0.0025
10/21/2014	0.083	0.0043	0.0028	0.00082 (J)	0.0037	
10/22/2014						0.0018 (J)
11/5/2014			0.004		0.0035	0.0019 (J)
11/11/2014	0.082	0.0041		0.00076 (J)		
3/3/2015	0.078	0.0042	0.004	<0.02	0.0036	
3/4/2015						0.0016 (J)
3/18/2015	0.075	0.0046	0.0024 (J)	0.0016 (J)		
3/19/2015					0.0035	0.0025
4/6/2015	0.071	0.0043				
4/7/2015			0.0055	<0.02	0.0039	0.0026
4/23/2015	0.072	0.0047	0.0035	<0.02		
4/24/2015					0.0034	0.0017 (J)
7/29/2015	0.072	0.0039	0.0062	<0.02	0.0038	
7/30/2015						0.0017 (J)
3/3/2016	0.0227 (D)					
3/4/2016		0.0219 (J)				
3/7/2016			0.0225 (J)	<0.02	<0.02	
3/8/2016						0.557 (o)
7/13/2016	0.0709		0.0031 (J)	0.0013 (J)		
7/14/2016		0.0111			<0.02	<0.02
3/20/2017	0.0465			<0.02		
3/21/2017		<0.02			<0.02	
3/22/2017						<0.02
3/23/2017			<0.02			
9/19/2017						0.0031 (J)
9/20/2017					0.0062 (J)	
9/21/2017	0.0302			0.0018 (J)		
9/22/2017		0.0023 (J)				
9/25/2017			0.002 (J)			
3/14/2018	0.031	0.0021 (J)	0.0036 (J)	<0.02	<0.02	<0.02
9/7/2018	<0.02			<0.02		
9/10/2018					<0.02	<0.02
9/11/2018		<0.02	<0.02			
3/11/2019	0.024					
3/12/2019		0.0038 (J)	<0.02	<0.02	<0.02	<0.02
9/6/2019				0.0046 (J)		0.00455 (JD)
9/9/2019	0.029		0.0063 (J)		0.0062 (J)	
9/10/2019		0.0055 (J)				
3/4/2020	0.015				0.0072 (J)	
3/5/2020		0.0035 (J)		0.0024 (J)		0.0023 (J)
3/6/2020			0.0045 (J)			
9/4/2020						<0.02
9/9/2020	0.037	<0.02	<0.02	<0.02	<0.02	

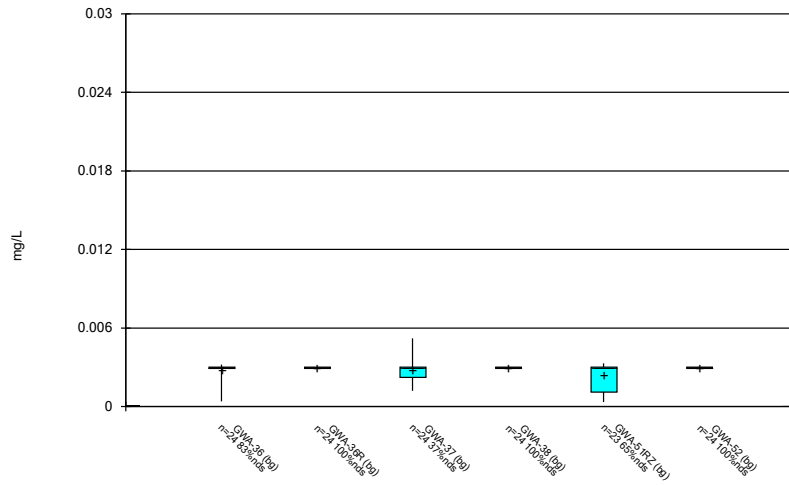
Time Series

Constituent: Zinc (mg/L) Analysis Run 1/26/2021 12:52 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R
9/16/2014				0.00054 (J)	0.004
9/18/2014	0.0033	0.00089 (J)	0.0013 (J)		
10/4/2014				0.0008 (J)	0.0011 (J)
10/5/2014	0.0036	0.0016 (J)	0.00085 (J)		
10/22/2014	0.0038	0.0017 (J)	0.0014 (J)		
10/23/2014				<0.02	0.0011 (J)
11/5/2014	0.0046	0.0038	0.0022 (J)		
11/10/2014				<0.02	0.0028
3/4/2015	0.0029	0.002 (J)	0.0033	<0.02	<0.02
3/19/2015	0.0027	0.0025			
3/20/2015			0.002 (J)	<0.02	<0.02
4/8/2015	0.0039	0.0018 (J)	0.004	0.0016 (J)	
4/9/2015					<0.02
4/23/2015			0.002 (J)	<0.02	<0.02
4/24/2015	0.0035	0.0016 (J)			
7/30/2015	0.0027	<0.02	<0.02	<0.02	<0.02
3/4/2016				0.00374 (J)	
3/7/2016		<0.02			
3/8/2016	0.00273 (J)				0.00198 (J)
3/9/2016			<0.02		
7/12/2016				<0.02	
7/14/2016		<0.02			
7/15/2016	<0.02		<0.02		
7/18/2016					<0.02
3/16/2017					0.0026 (J)
3/20/2017		0.0075 (J)		<0.02	
3/21/2017	<0.02				
3/22/2017			<0.02		
9/19/2017	0.0022 (J)	<0.02		0.0028 (J)	<0.02
9/21/2017			0.0034 (J)		
3/13/2018		<0.02		0.0068 (J)	<0.02
3/14/2018	0.0049 (J)		<0.02		
9/7/2018		<0.02			
9/10/2018	<0.02				
9/11/2018			<0.02	<0.02	<0.02
3/8/2019				<0.02	<0.02
3/11/2019	0.0034 (J)	0.0021 (J)			
3/12/2019			<0.02		
9/5/2019		0.0053 (J)		0.00675 (JD)	0.0053 (J)
9/6/2019	0.045		0.0059 (J)		
3/3/2020	0.0044 (J)	0.0029 (J)		0.0033 (J)	0.0027 (J)
3/5/2020			0.0084 (J)		
9/4/2020					<0.02
9/8/2020	0.0063 (J)	0.0037 (J)			
9/9/2020			<0.02	0.0048 (J)	

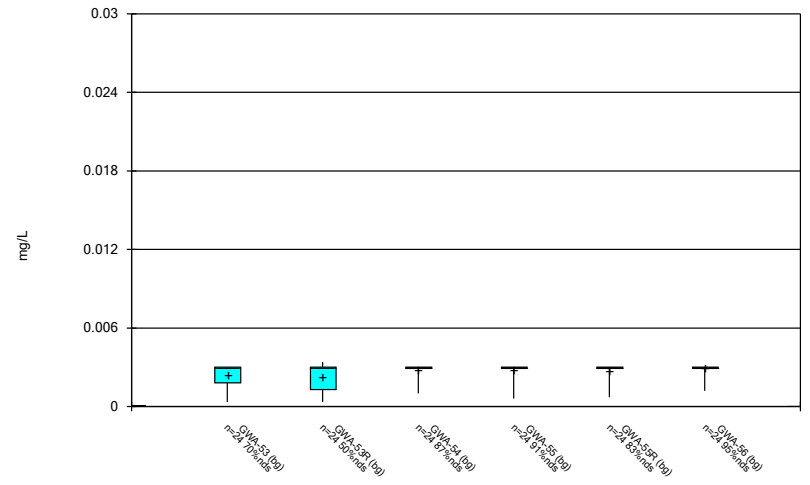
FIGURE B.

Box & Whiskers Plot



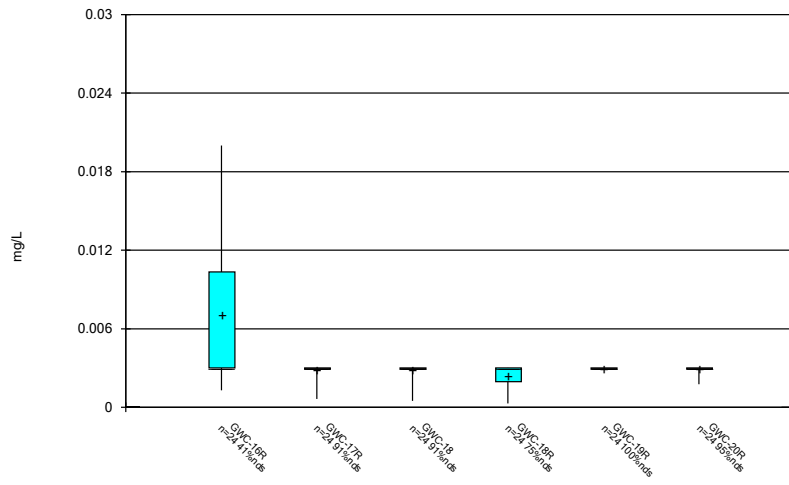
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



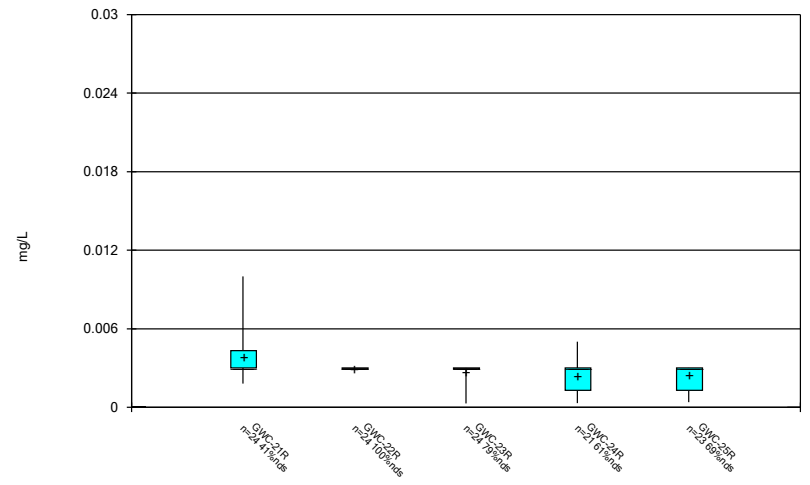
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



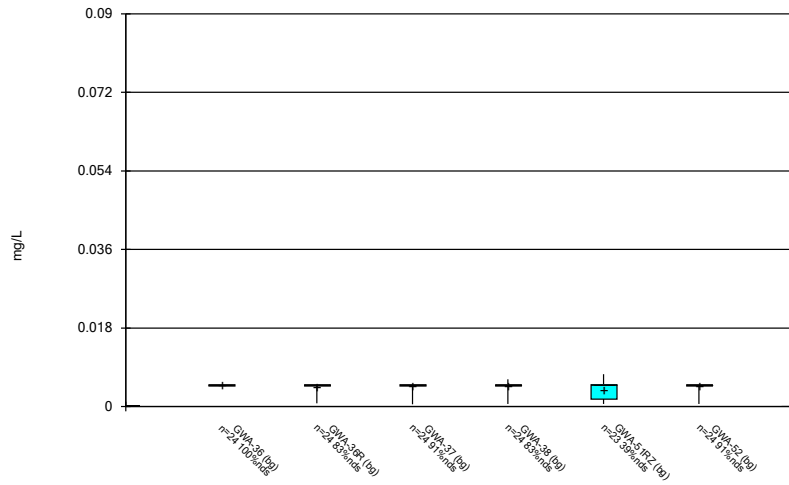
Constituent: Antimony Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



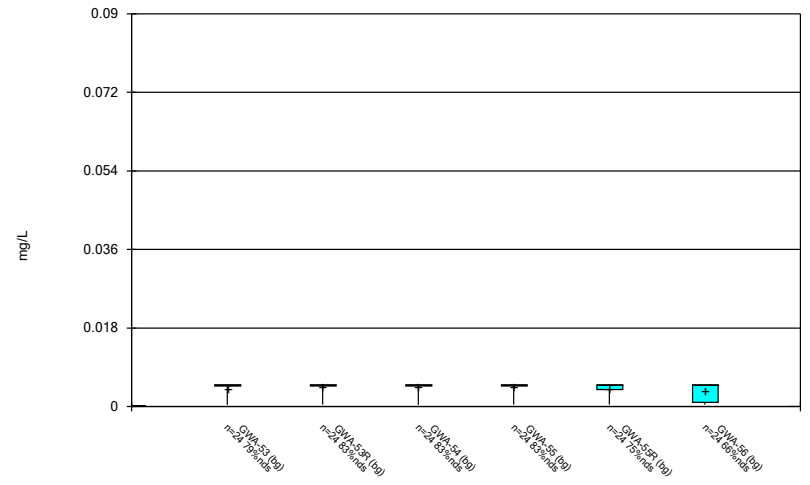
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



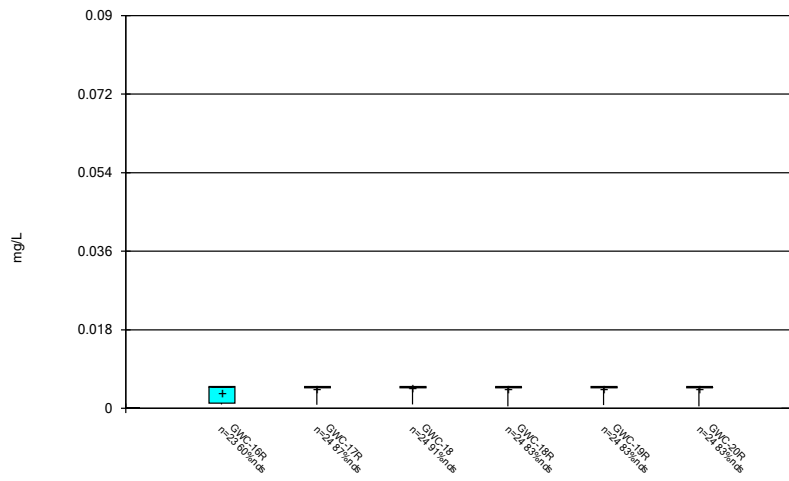
Constituent: Arsenic Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



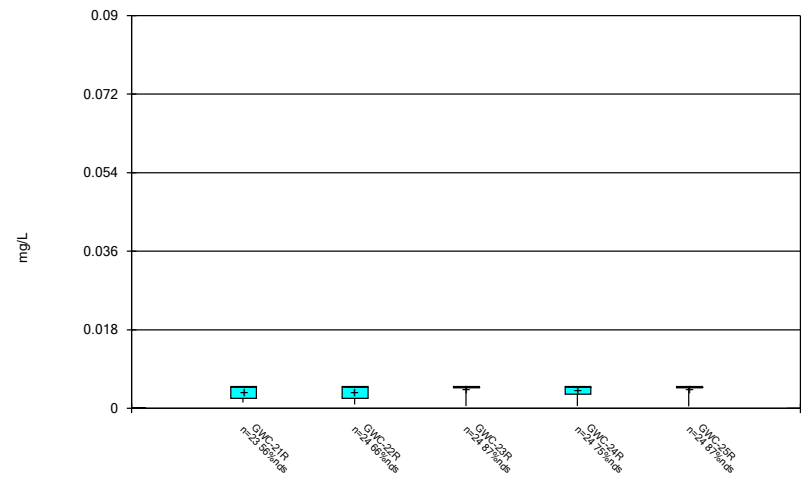
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



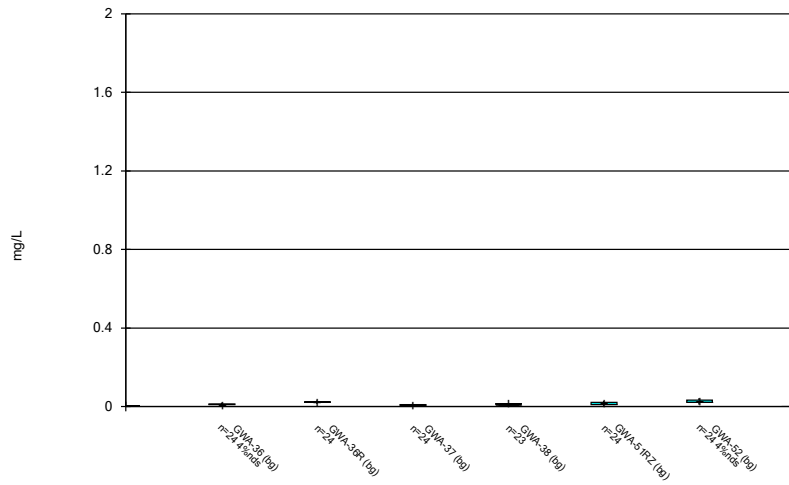
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



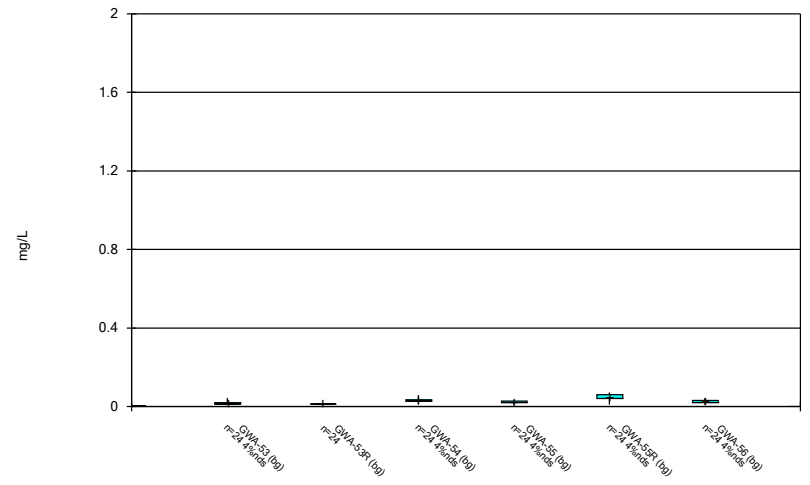
Constituent: Arsenic Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



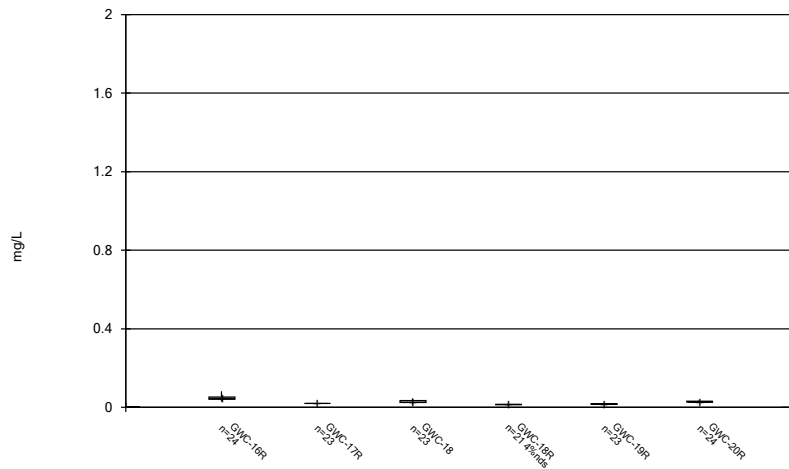
Constituent: Barium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



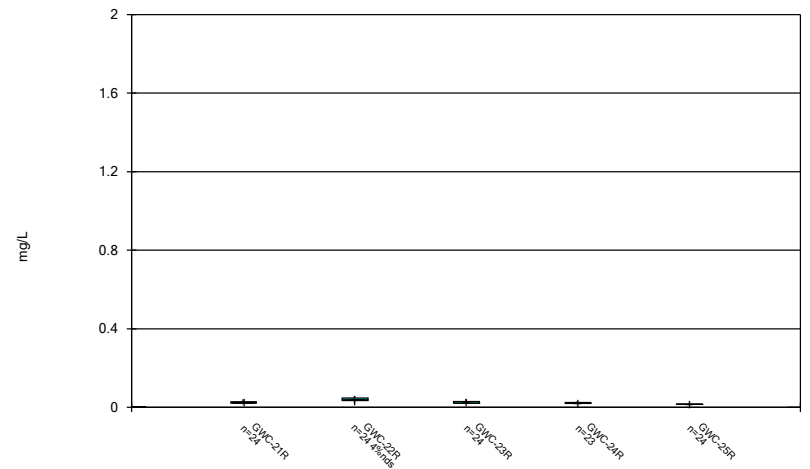
Constituent: Barium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



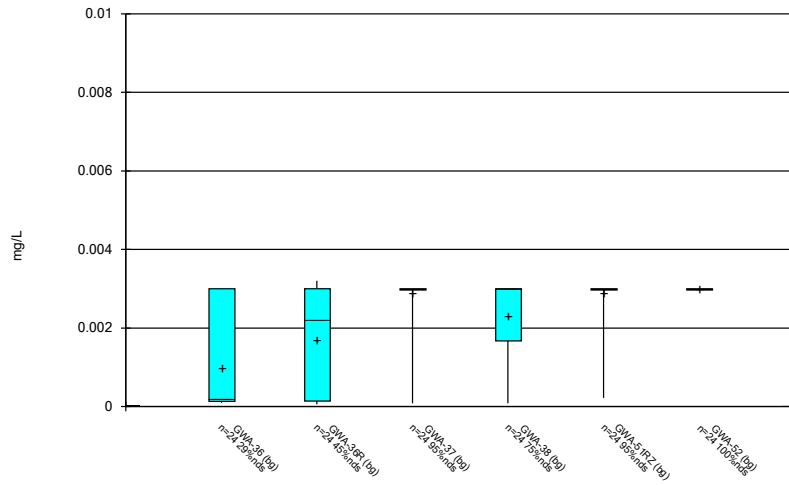
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



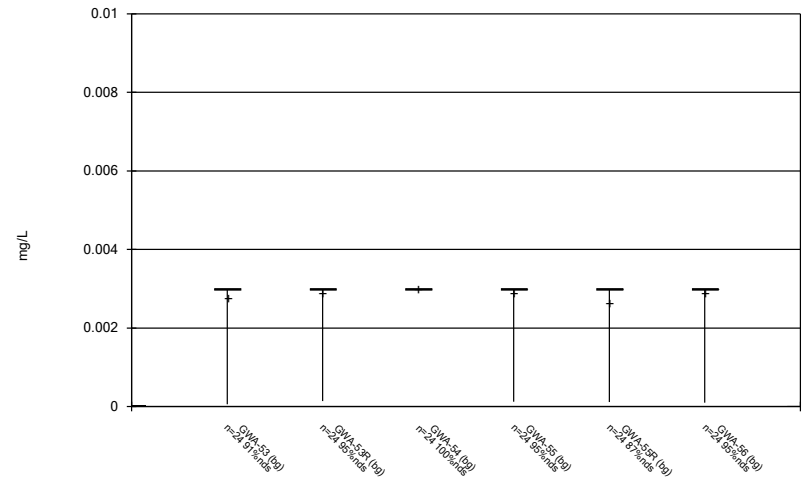
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



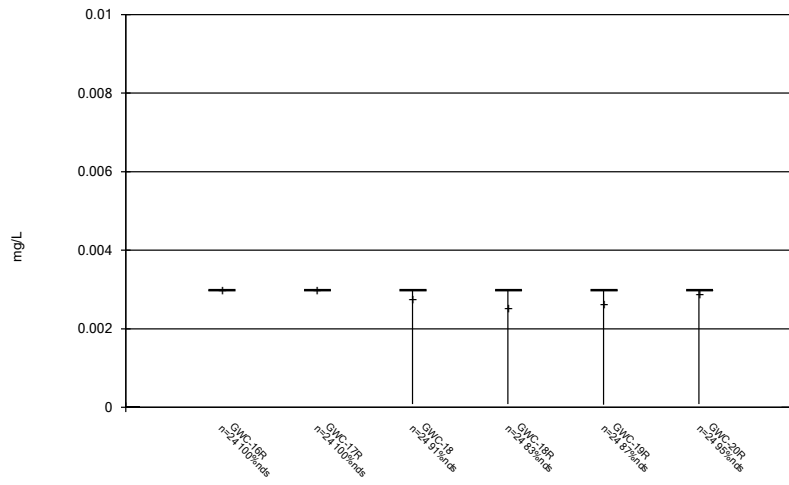
Constituent: Beryllium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



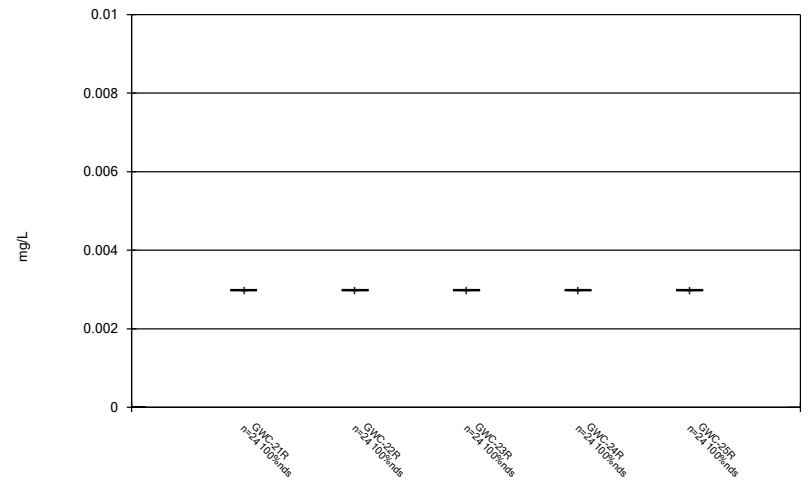
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



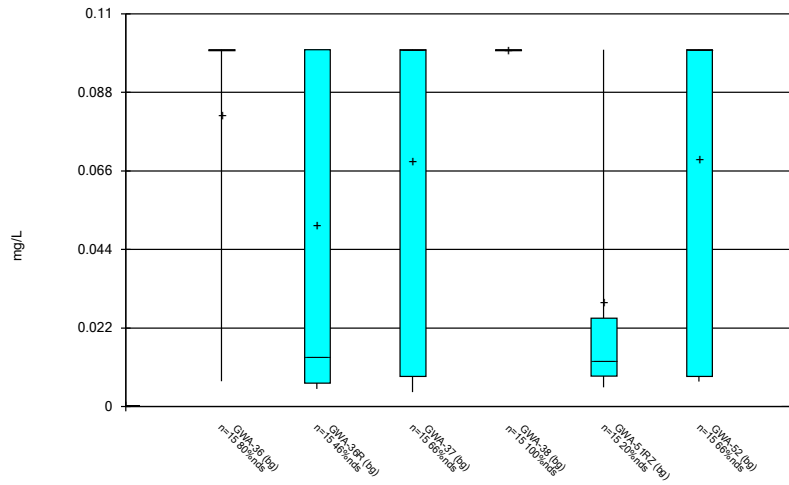
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



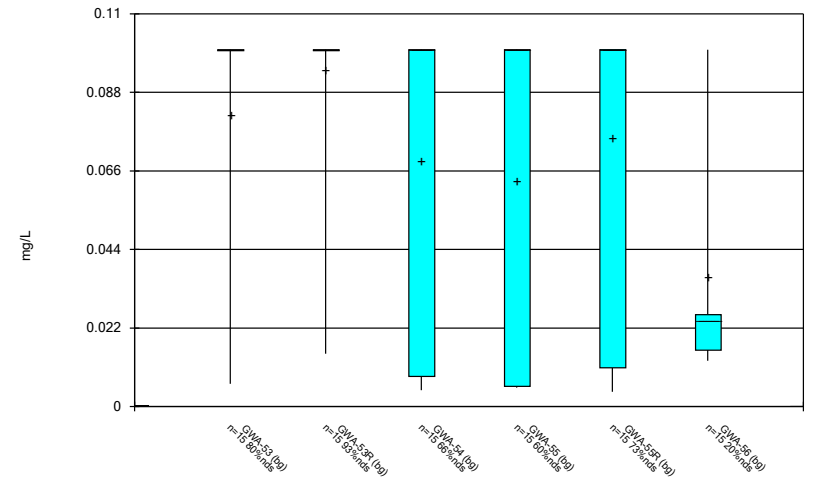
Constituent: Beryllium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



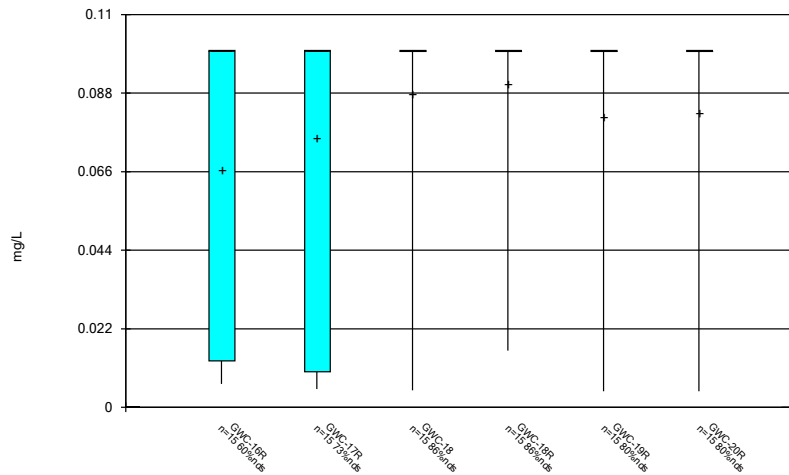
Constituent: Boron Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



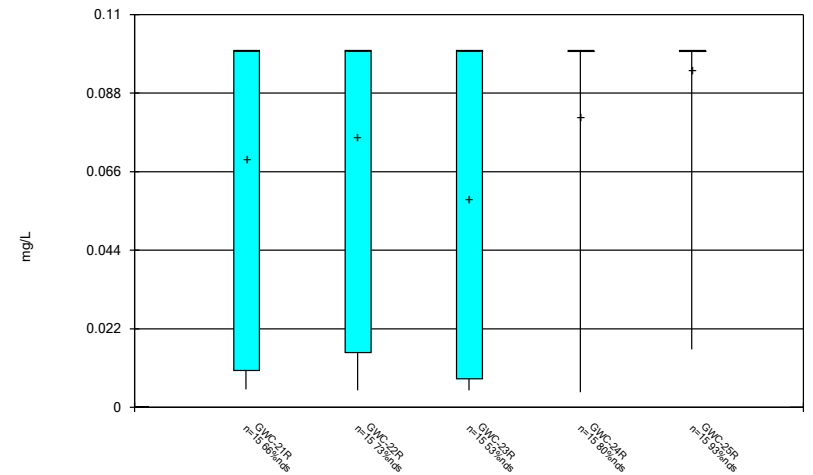
Constituent: Boron Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



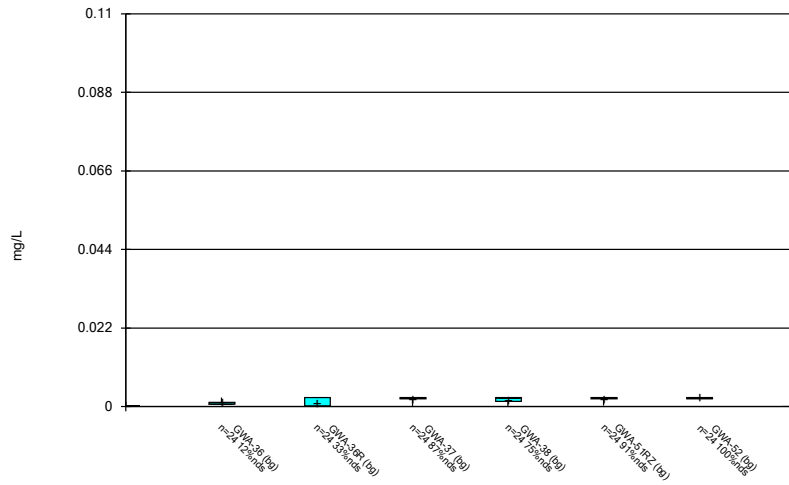
Constituent: Boron Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



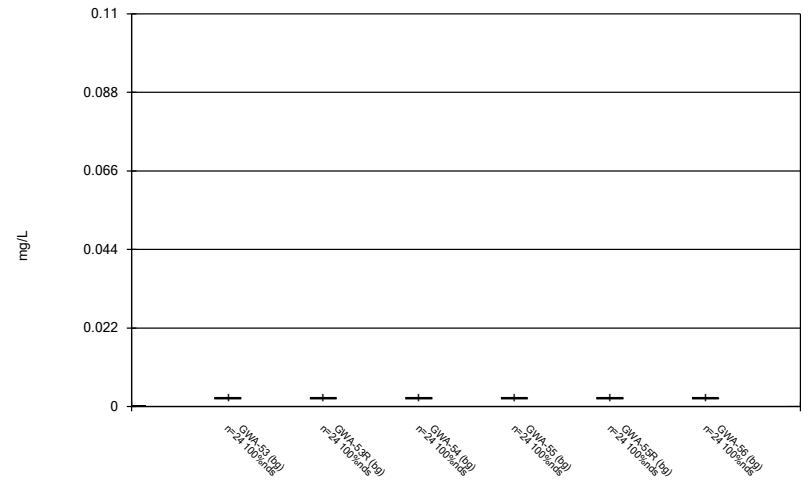
Constituent: Boron Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



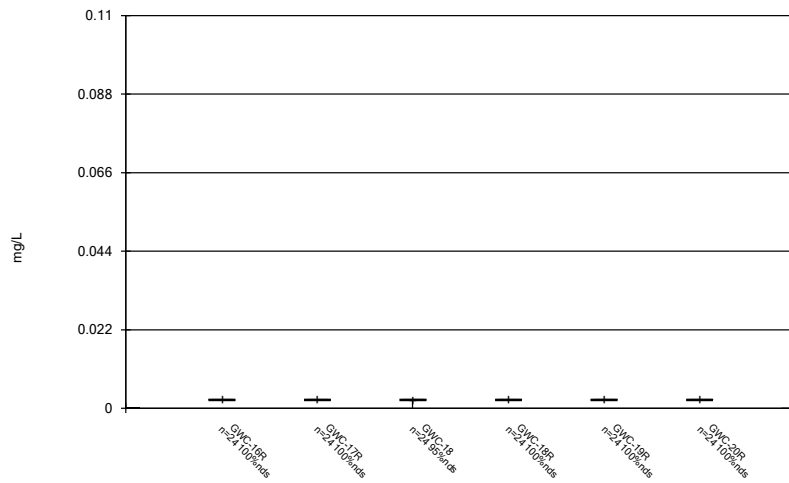
Constituent: Cadmium Analysis Run 1/26/2021 12:53 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



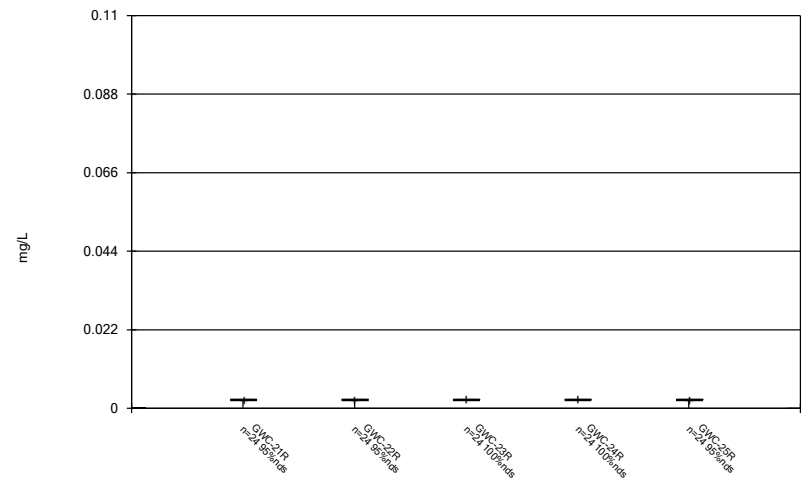
Constituent: Cadmium Analysis Run 1/26/2021 12:53 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



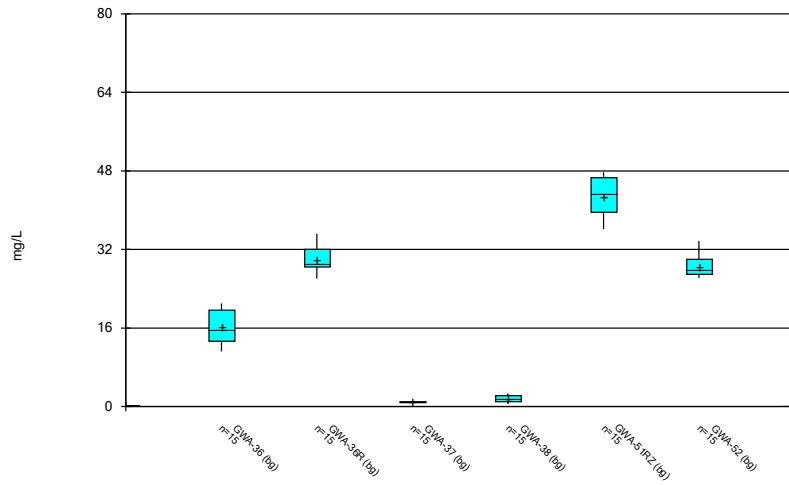
Constituent: Cadmium Analysis Run 1/26/2021 12:53 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



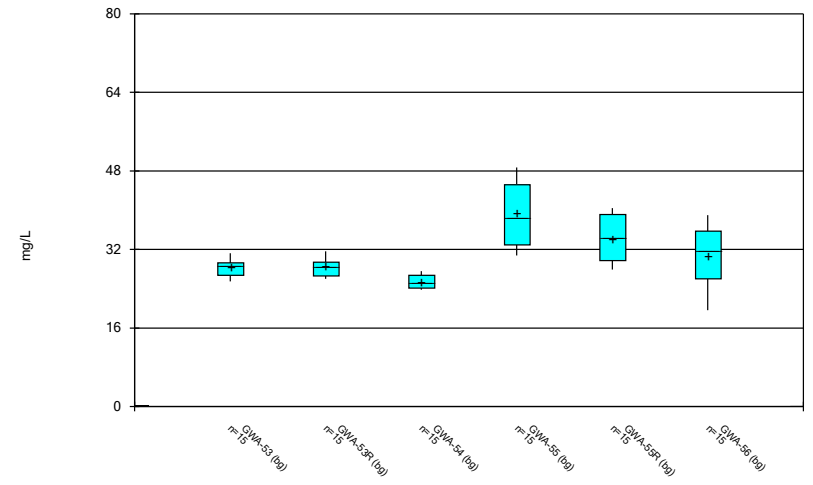
Constituent: Cadmium Analysis Run 1/26/2021 12:53 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



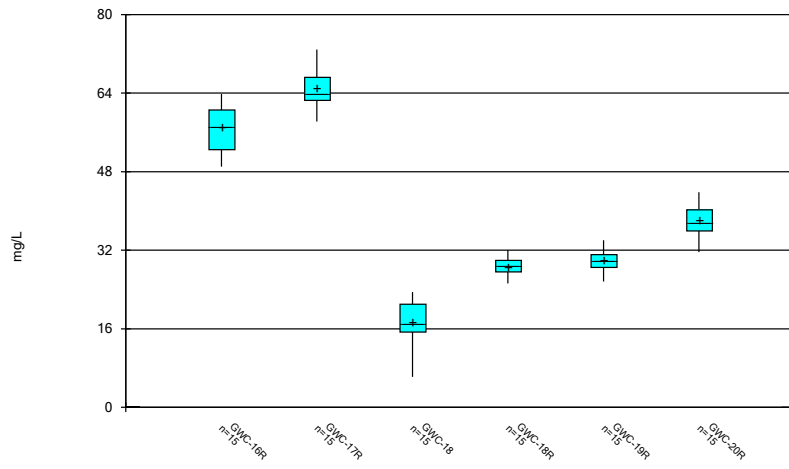
Constituent: Calcium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



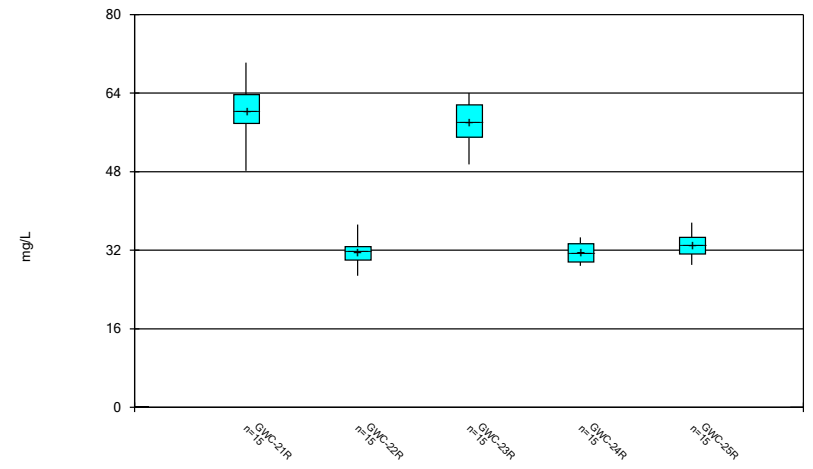
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



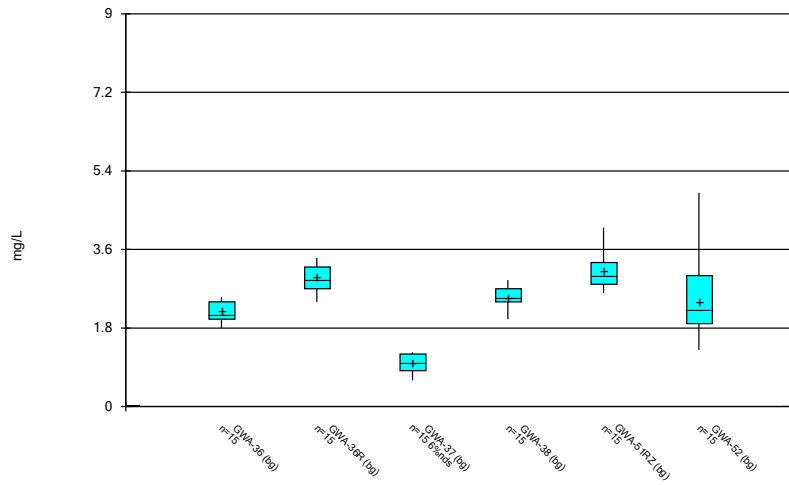
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



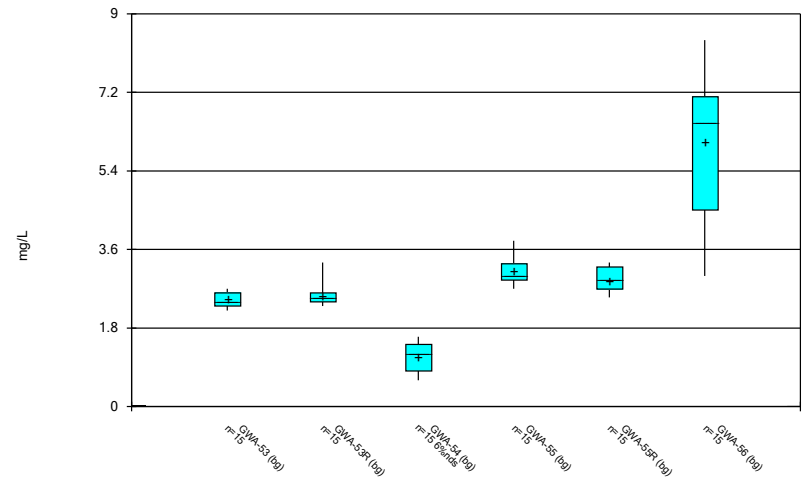
Constituent: Calcium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



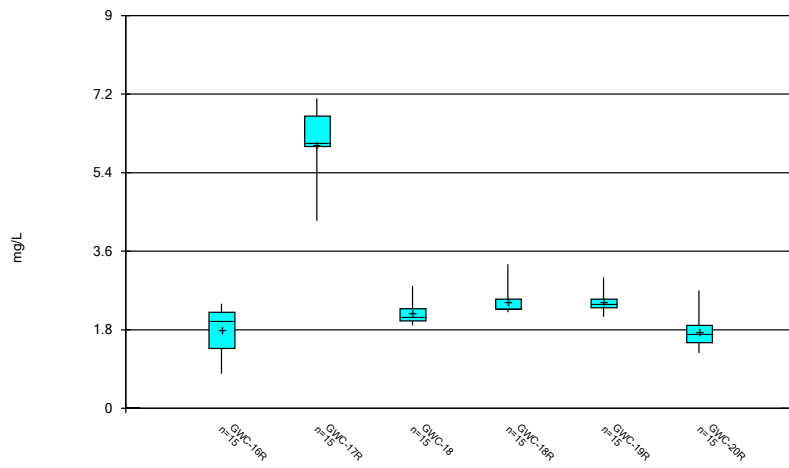
Constituent: Chloride Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



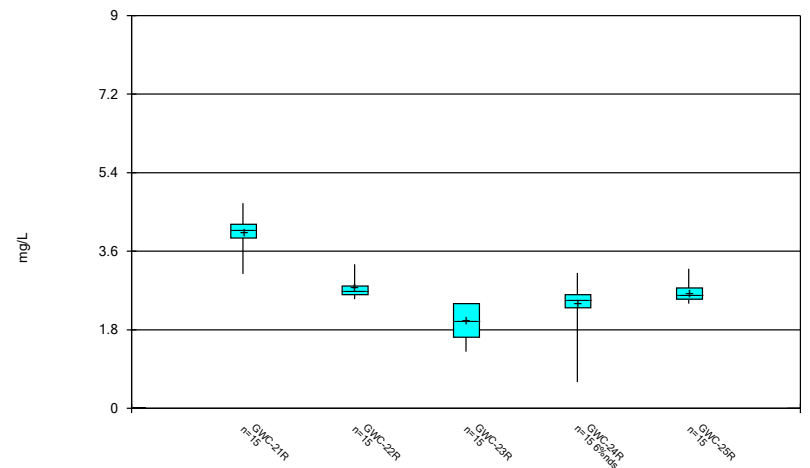
Constituent: Chloride Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



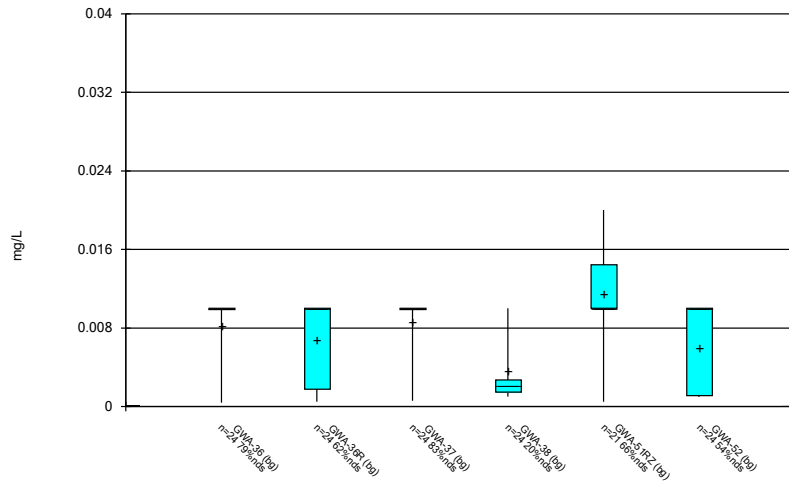
Constituent: Chloride Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



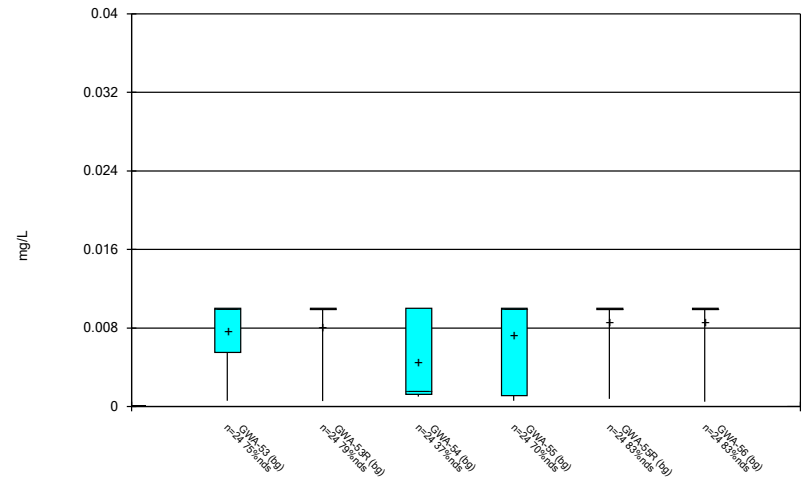
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



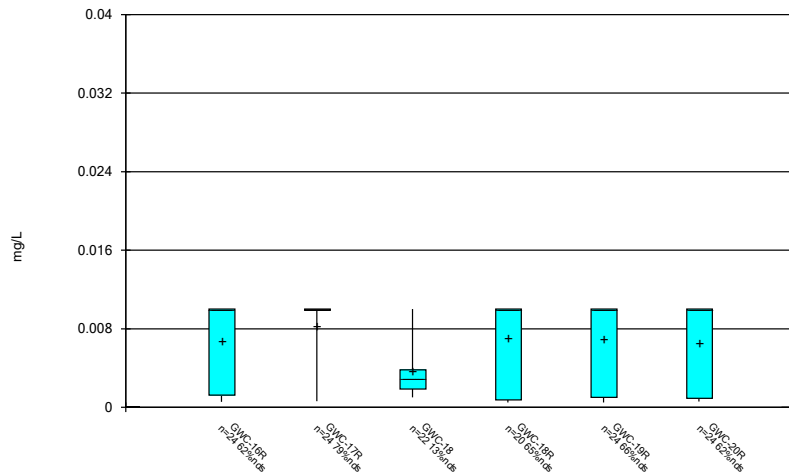
Constituent: Chromium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



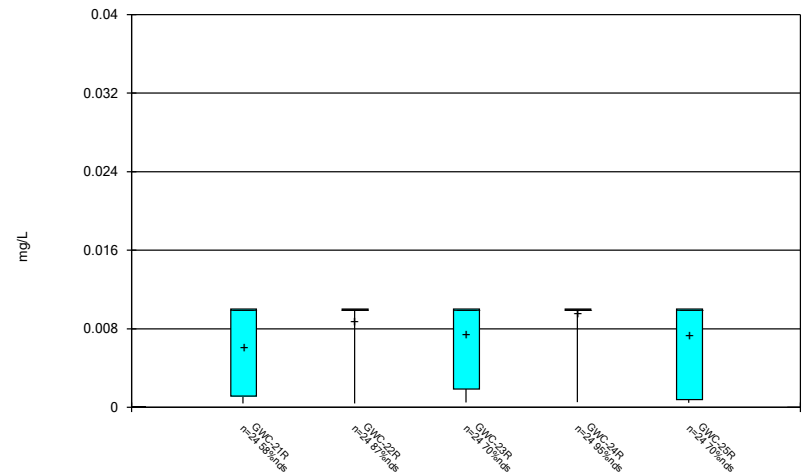
Constituent: Chromium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



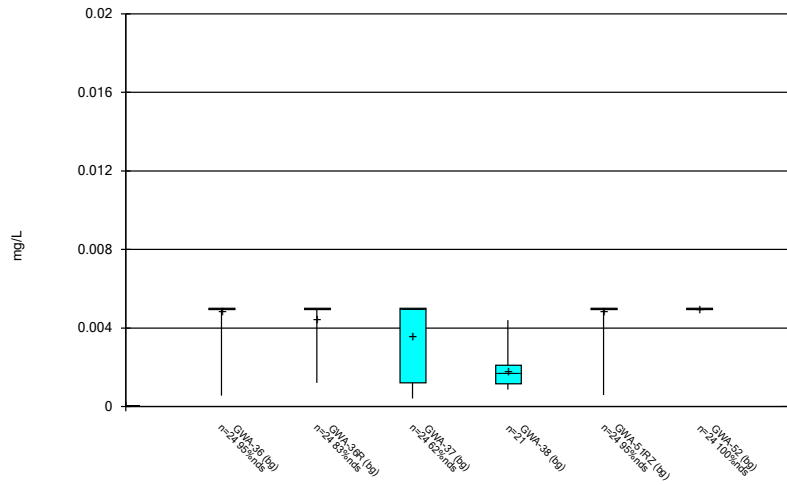
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



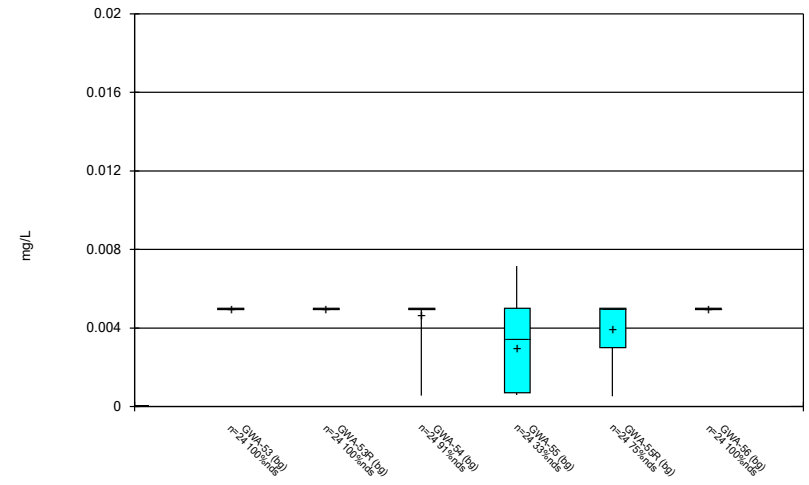
Constituent: Chromium Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



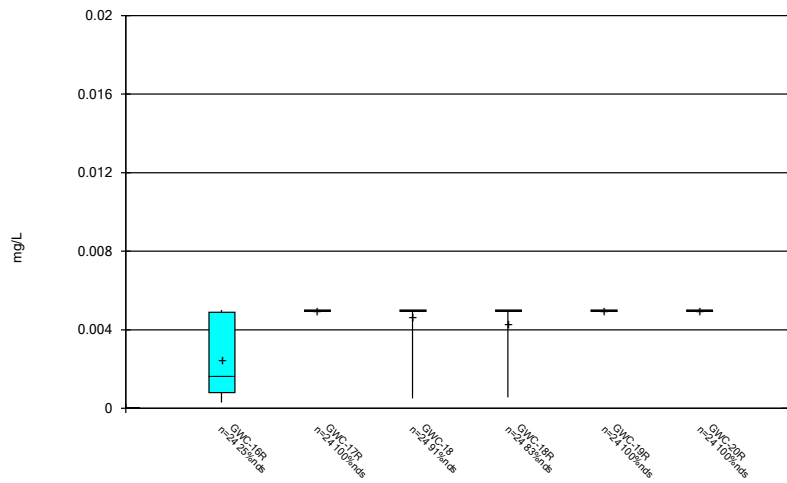
Constituent: Cobalt Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



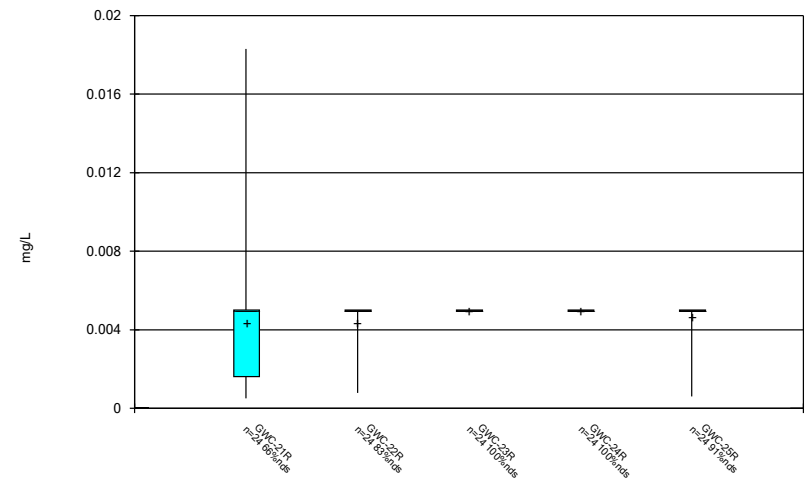
Constituent: Cobalt Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



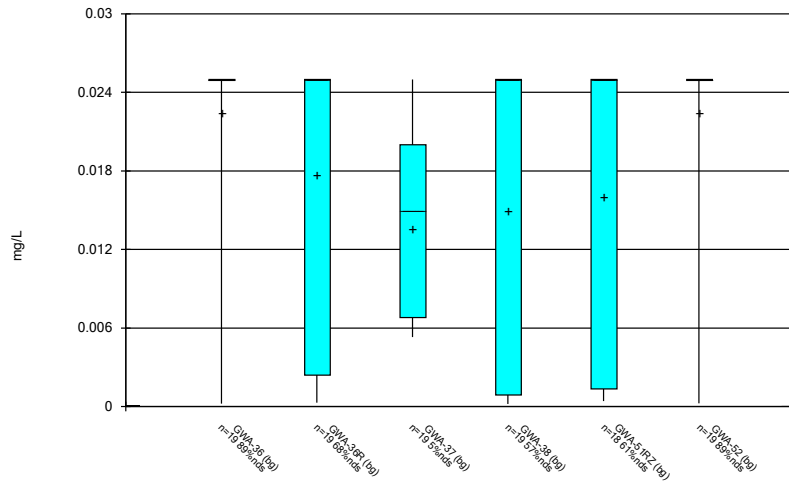
Constituent: Cobalt Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



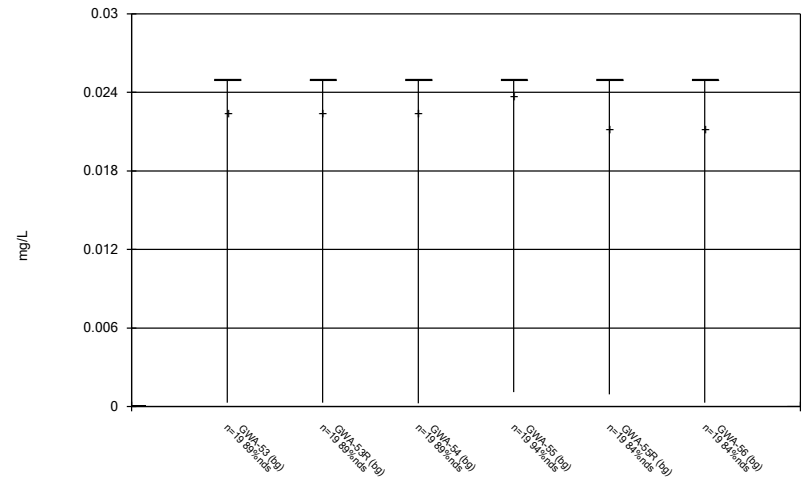
Constituent: Cobalt Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



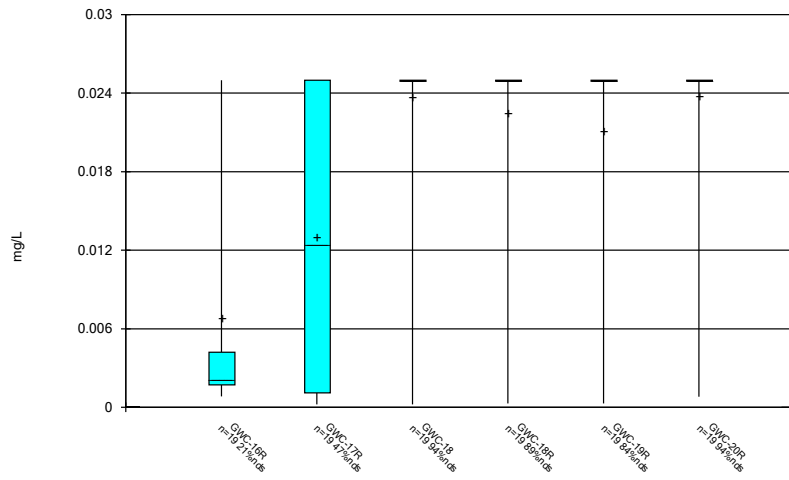
Constituent: Copper Analysis Run 1/26/2021 12:53 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



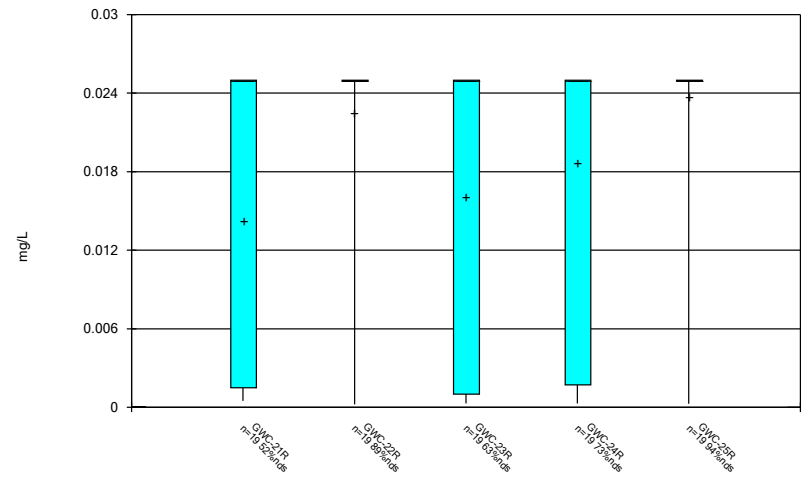
Constituent: Copper Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



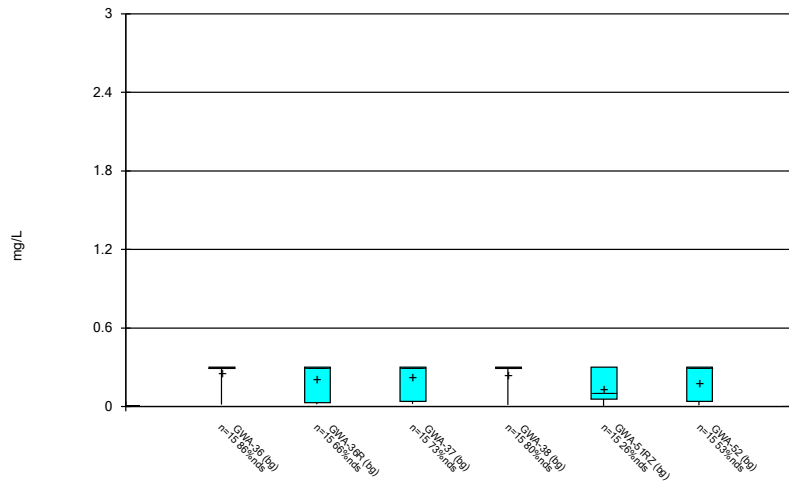
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



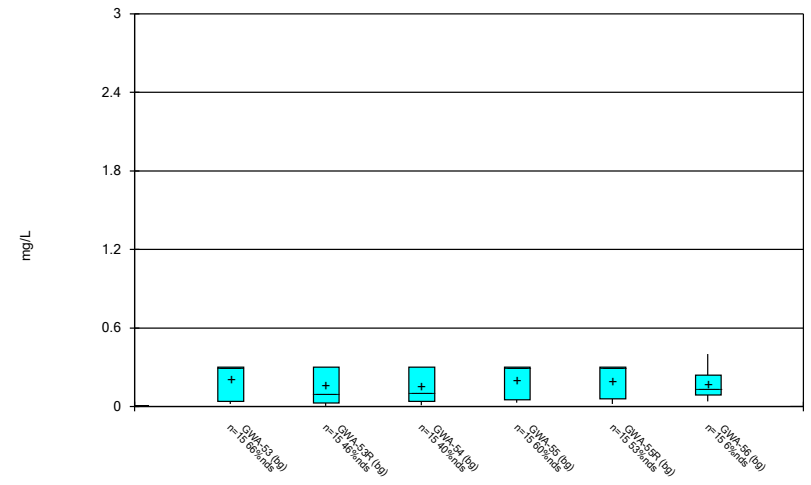
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



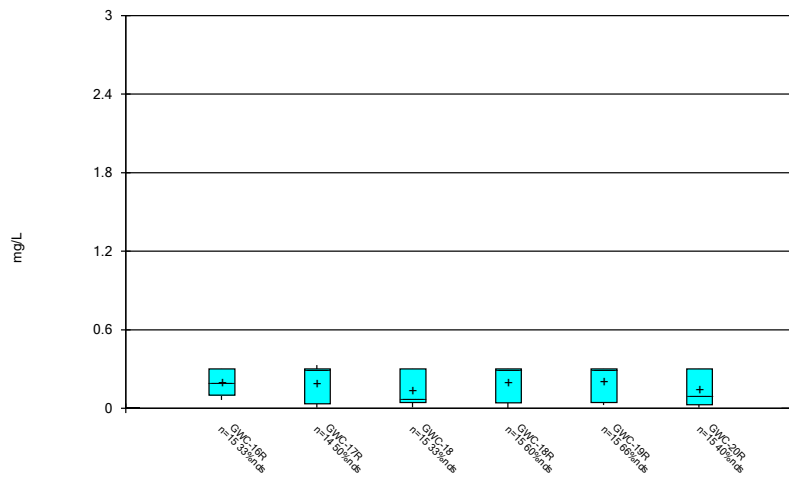
Constituent: Fluoride Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



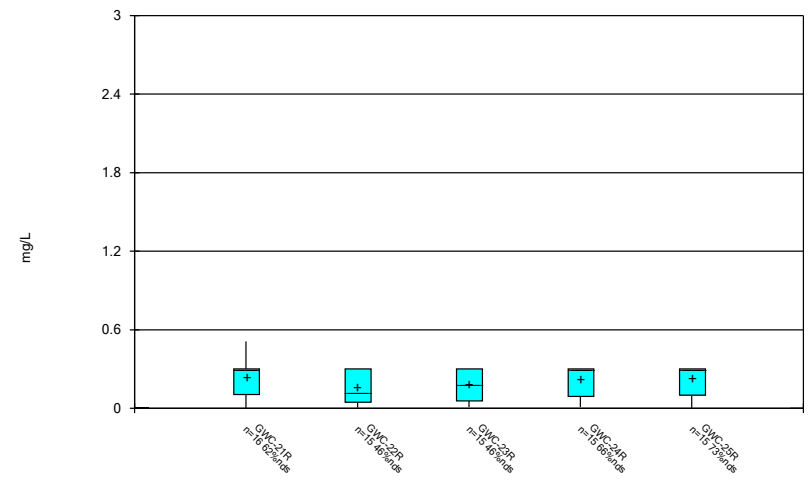
Constituent: Fluoride Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



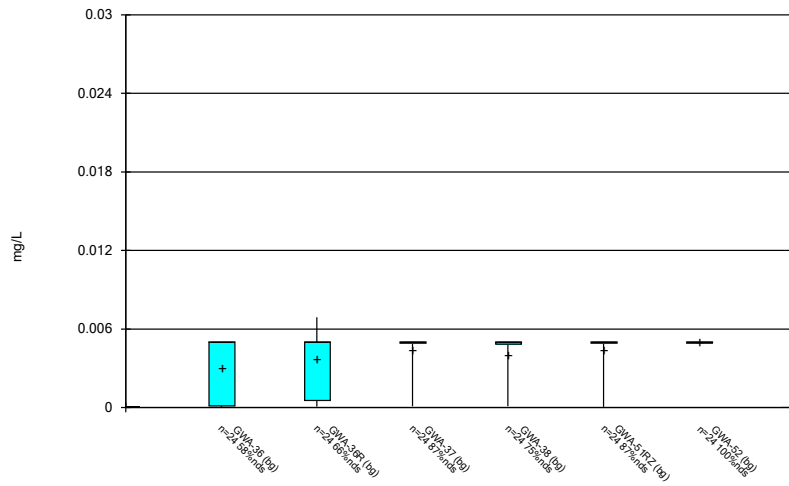
Constituent: Fluoride Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



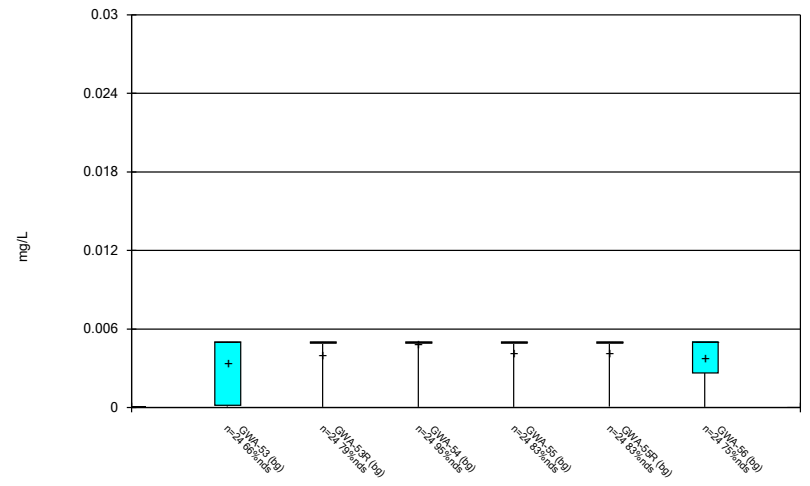
Constituent: Fluoride Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



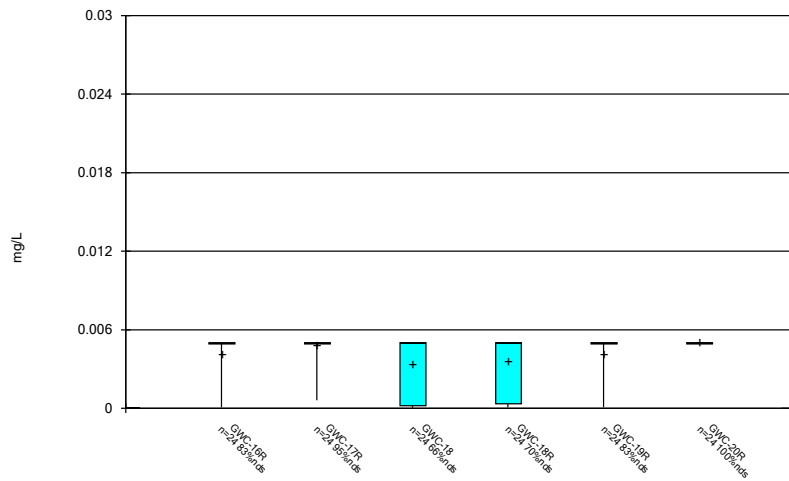
Constituent: Lead Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



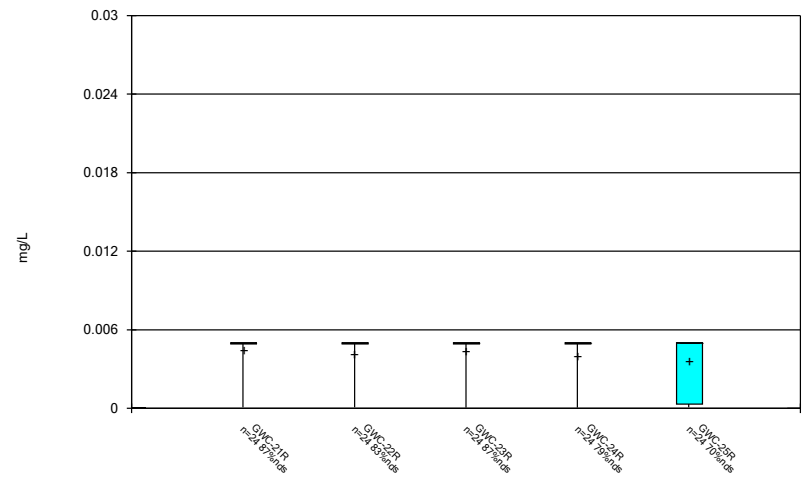
Constituent: Lead Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



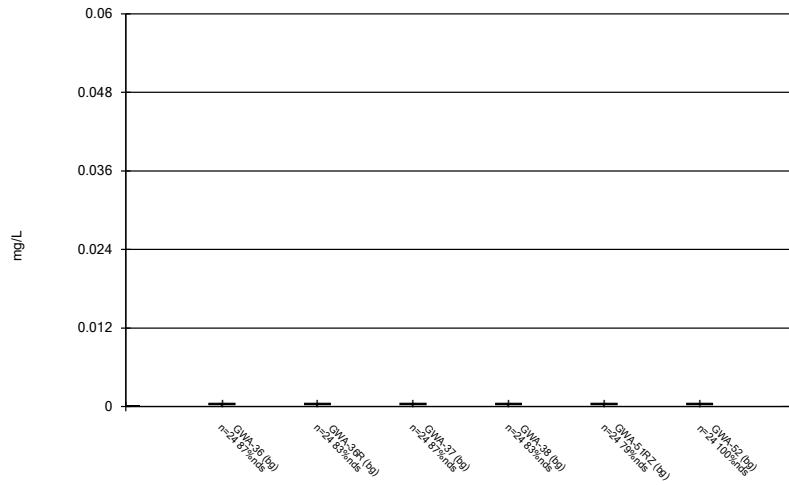
Constituent: Lead Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



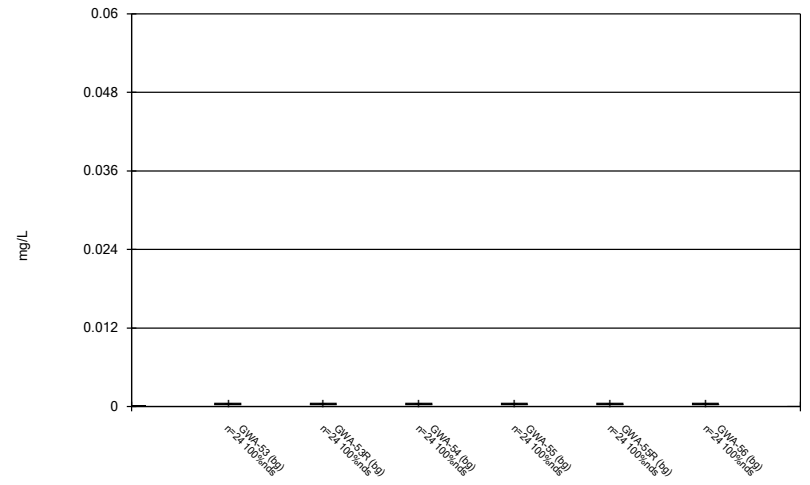
Constituent: Lead Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



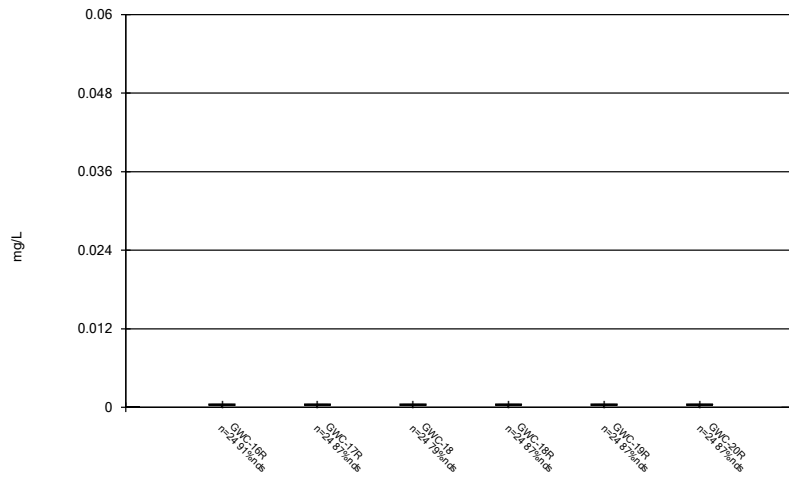
Constituent: Mercury Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



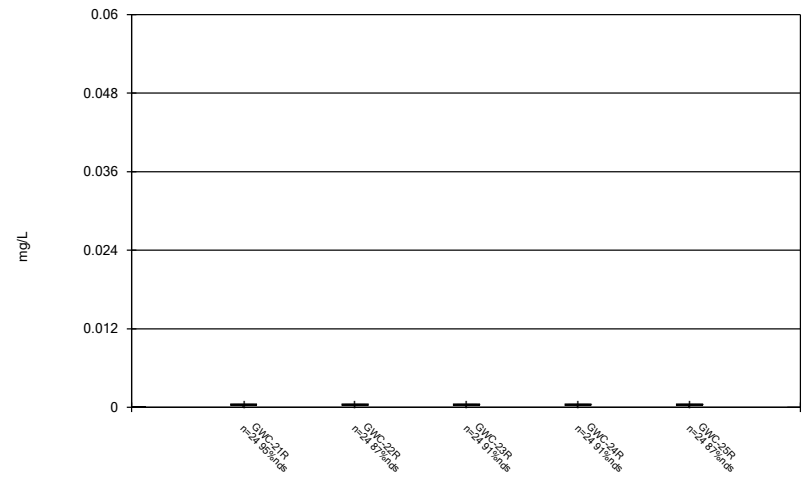
Constituent: Mercury Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



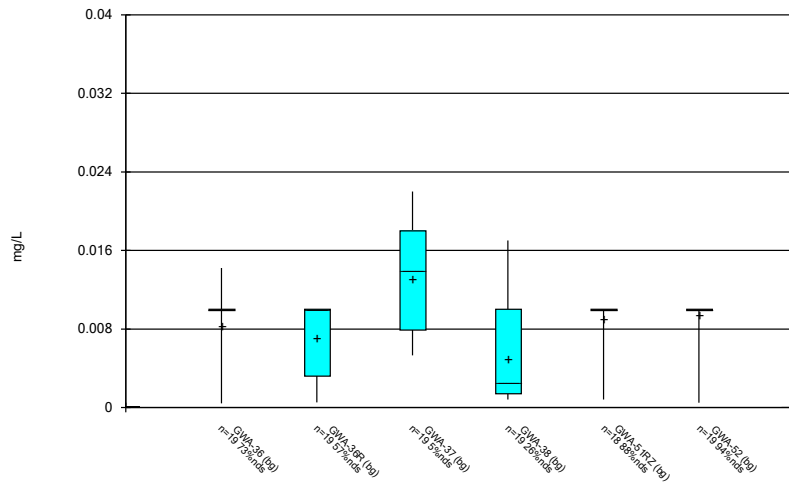
Constituent: Mercury Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



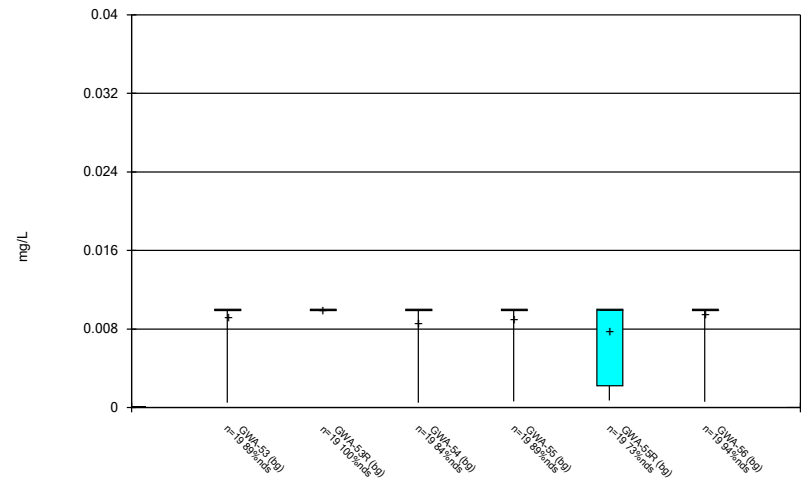
Constituent: Mercury Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



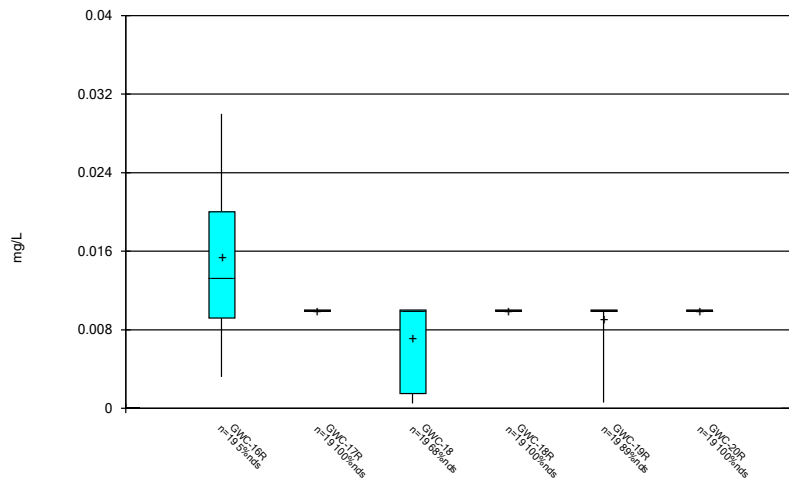
Constituent: Nickel Analysis Run 1/26/2021 12:54 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



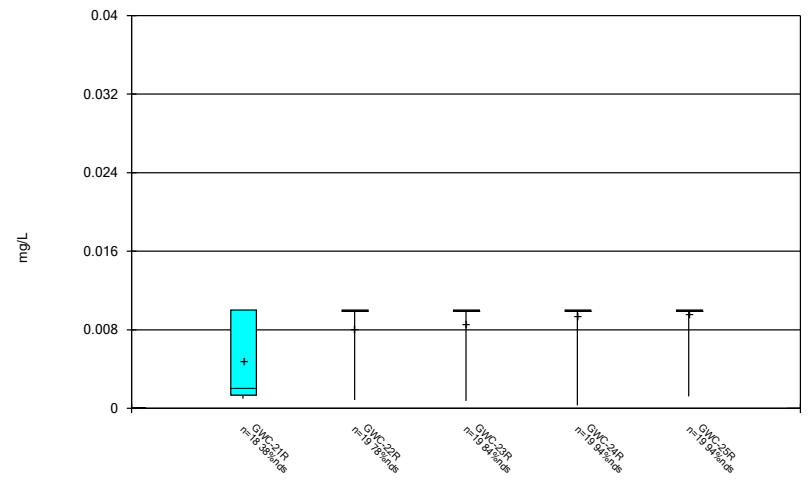
Constituent: Nickel Analysis Run 1/26/2021 12:54 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



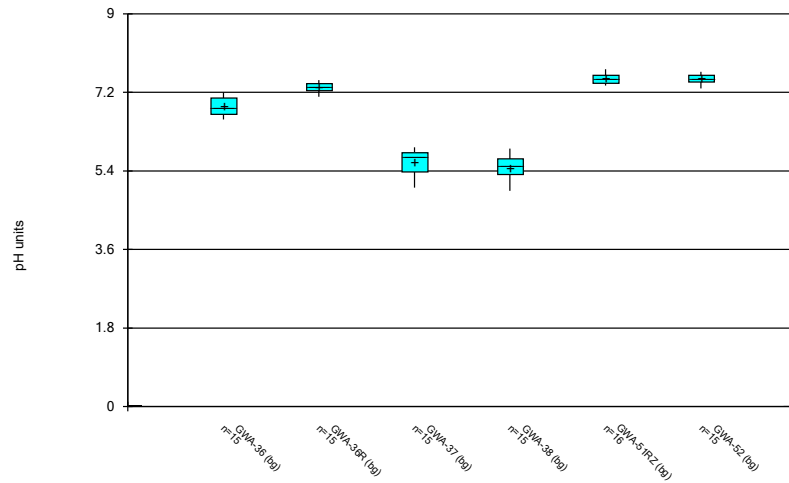
Constituent: Nickel Analysis Run 1/26/2021 12:54 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



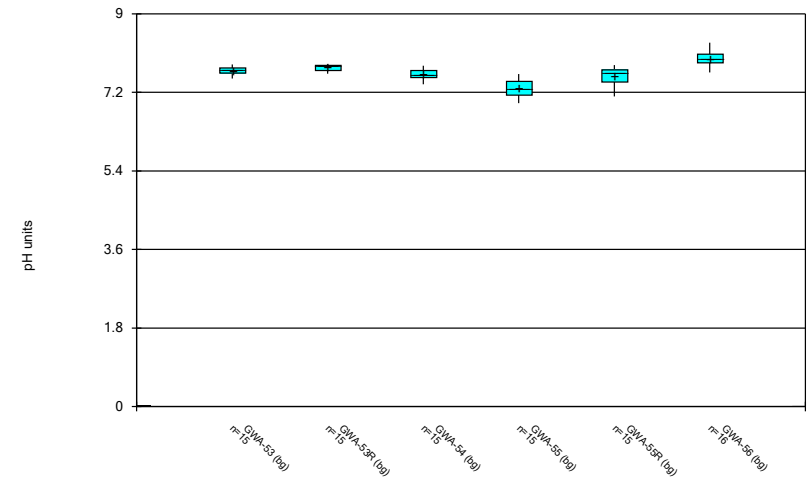
Constituent: Nickel Analysis Run 1/26/2021 12:54 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



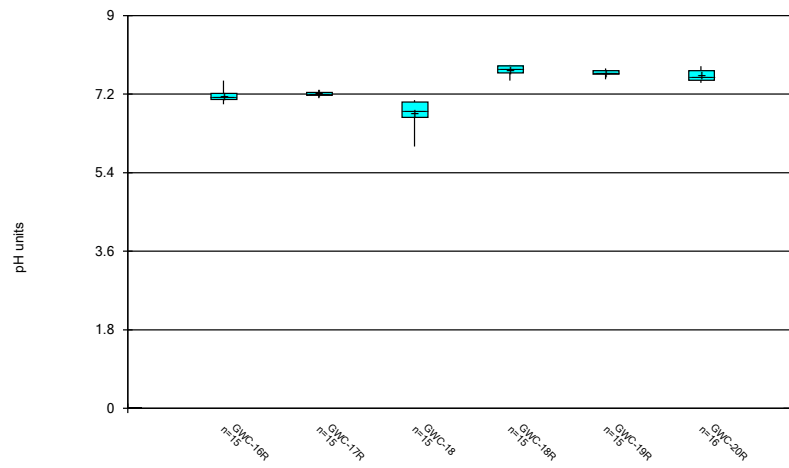
Constituent: pH Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



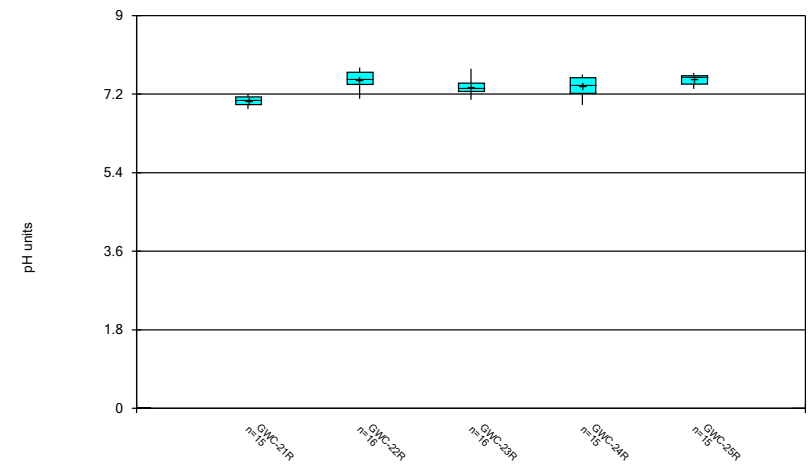
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



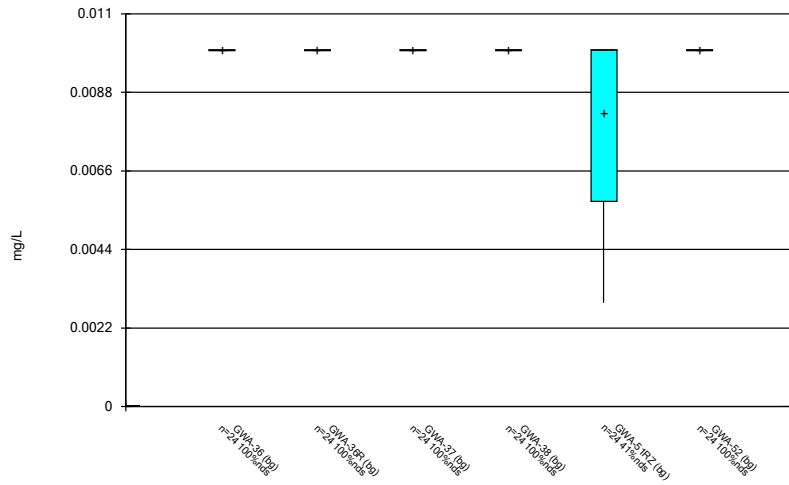
Constituent: pH Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



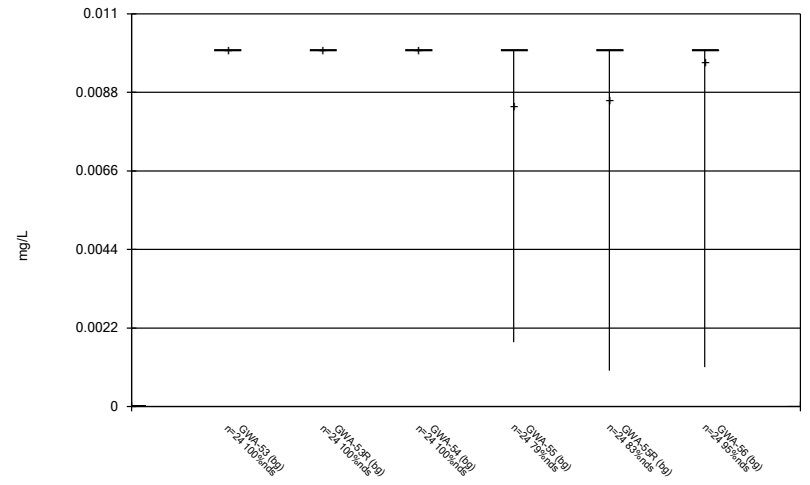
Constituent: pH Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



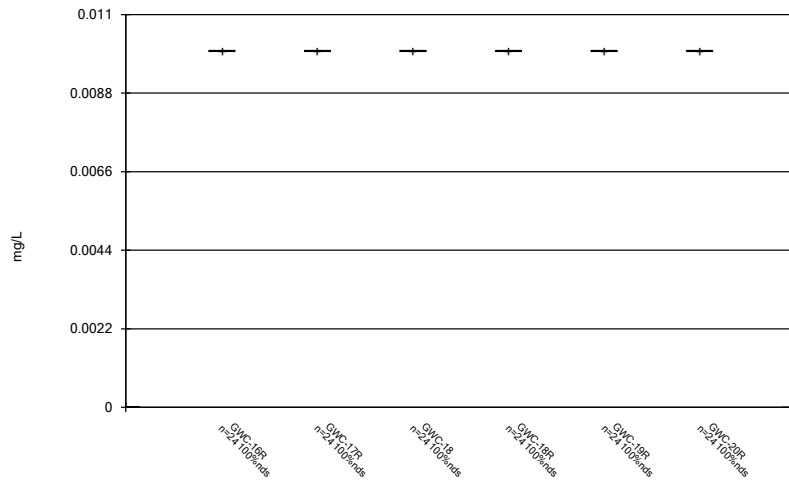
Constituent: Selenium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



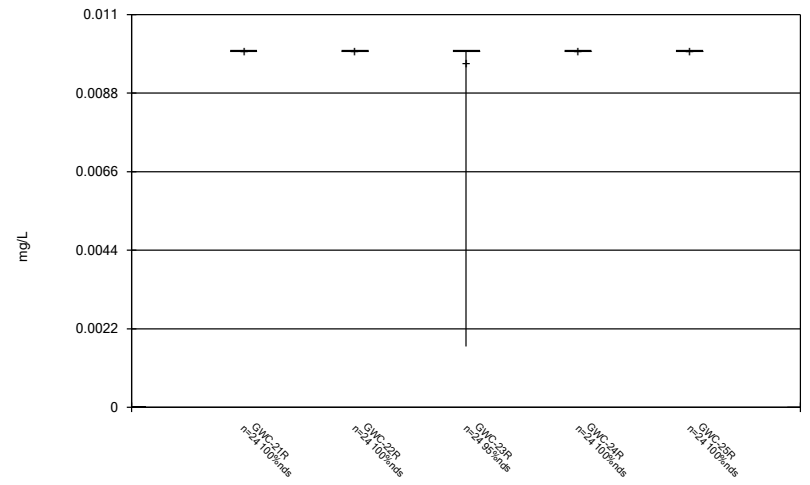
Constituent: Selenium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



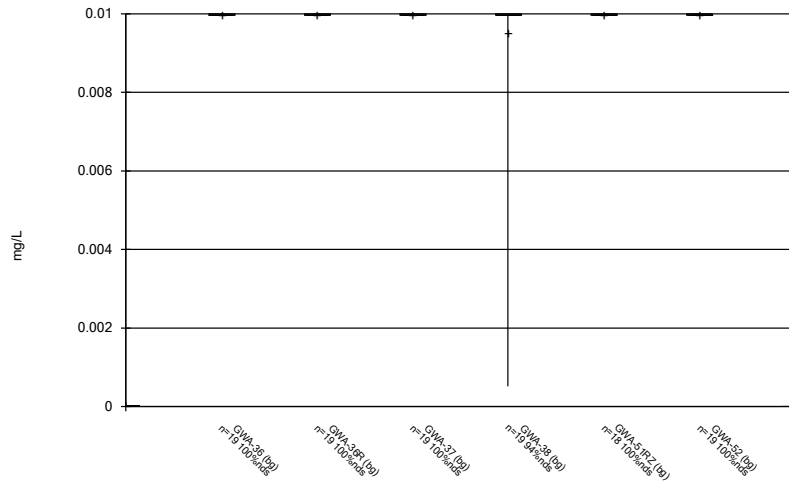
Constituent: Selenium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



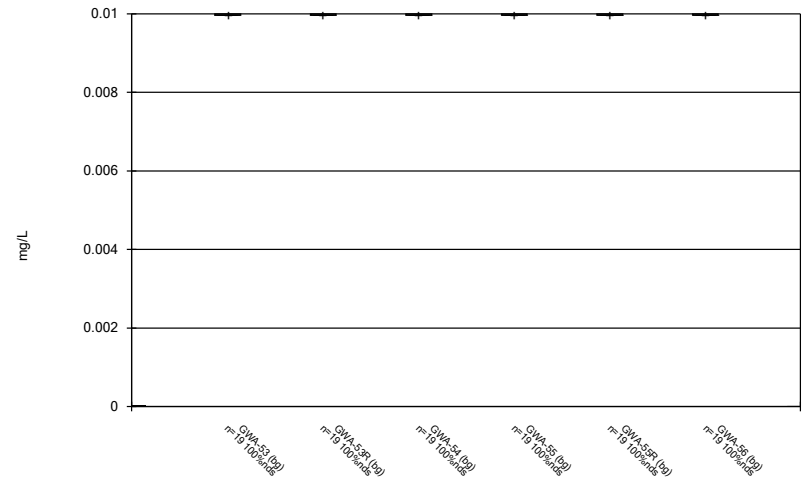
Constituent: Selenium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



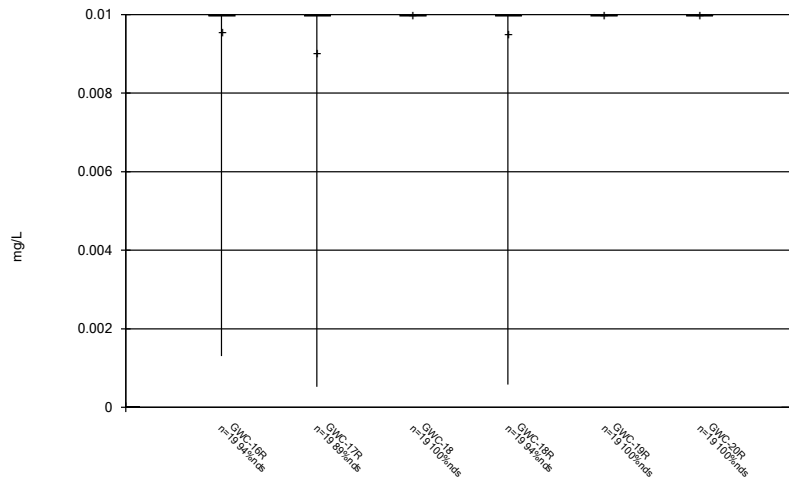
Constituent: Silver Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



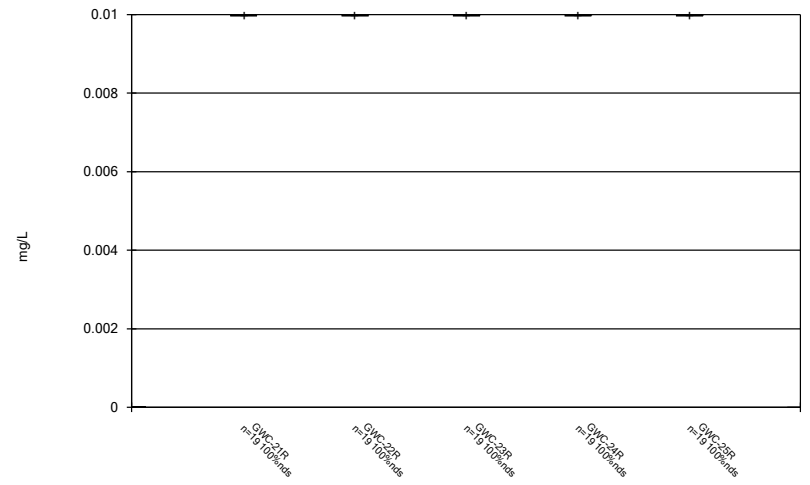
Constituent: Silver Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



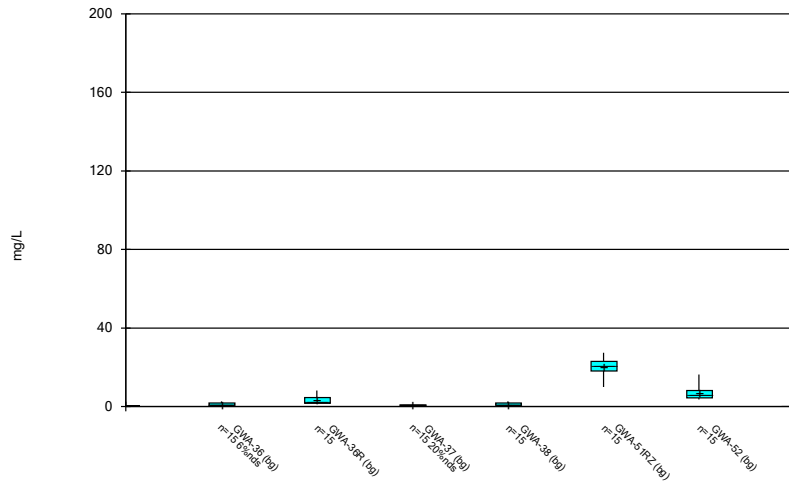
Constituent: Silver Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



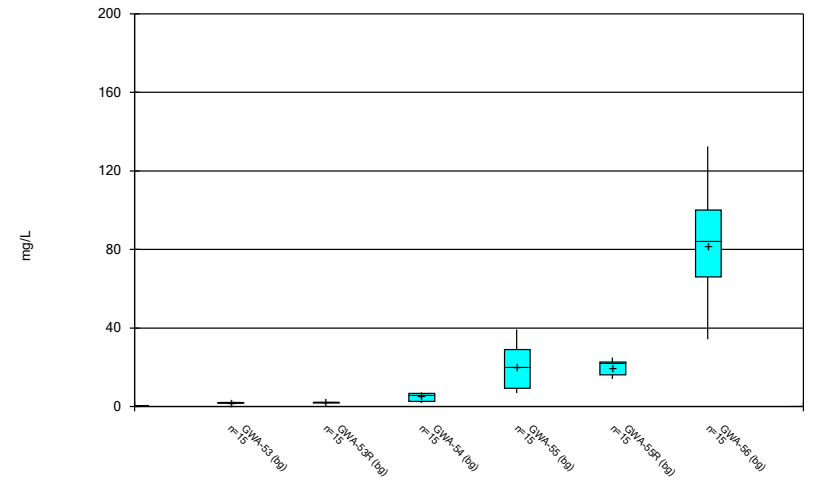
Constituent: Silver Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



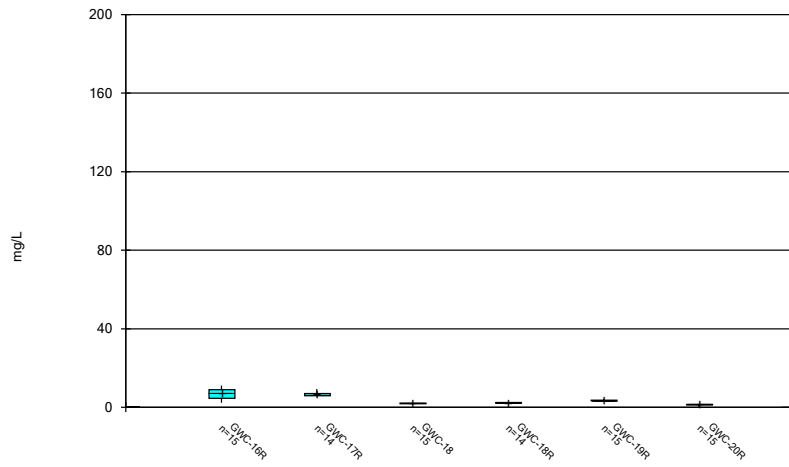
Constituent: Sulfate Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



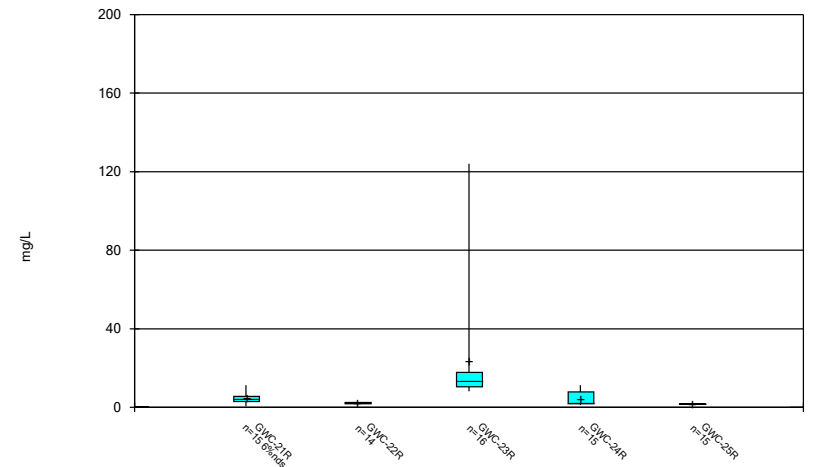
Constituent: Sulfate Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



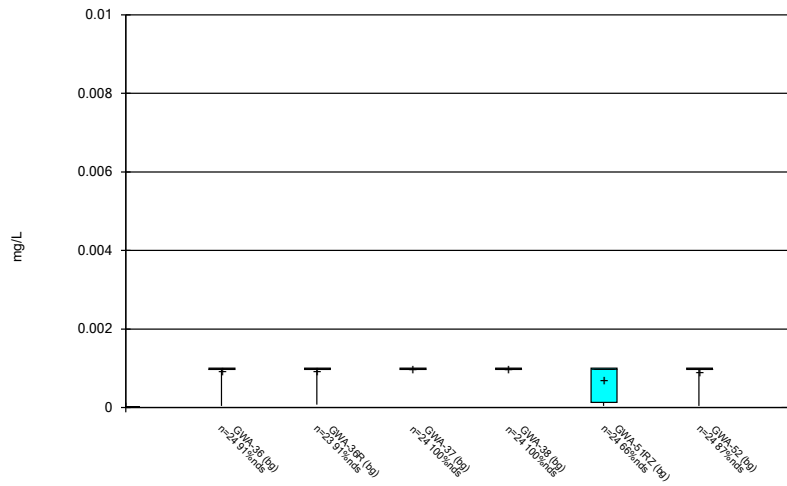
Constituent: Sulfate Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



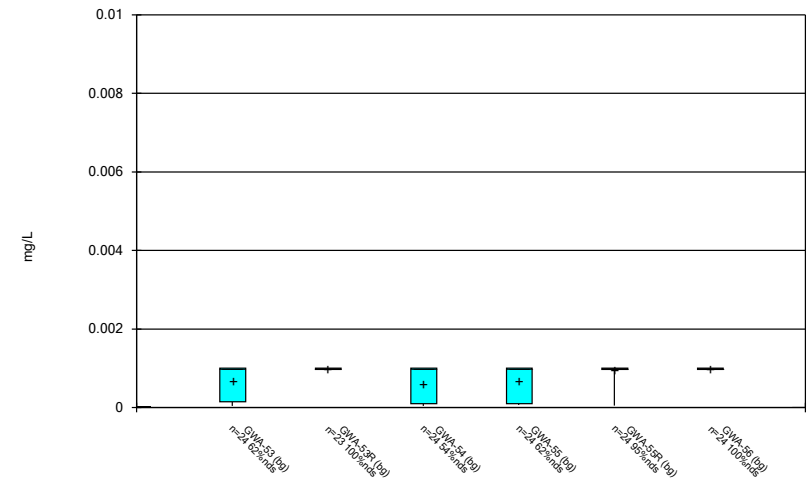
Constituent: Sulfate Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



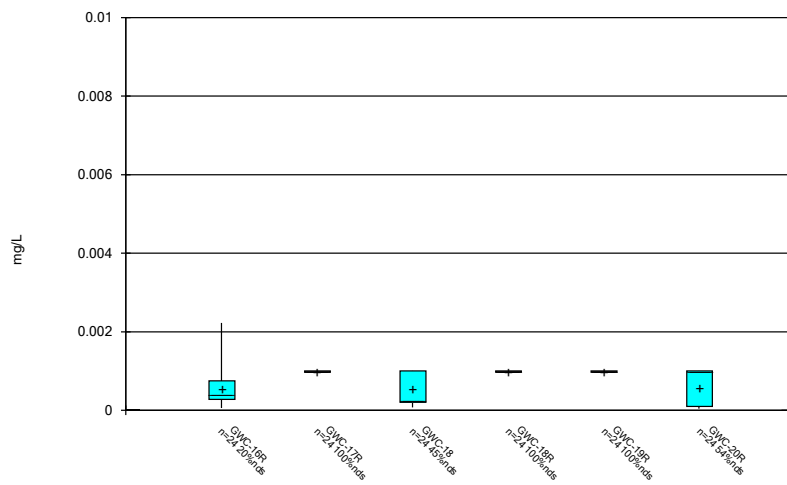
Constituent: Thallium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



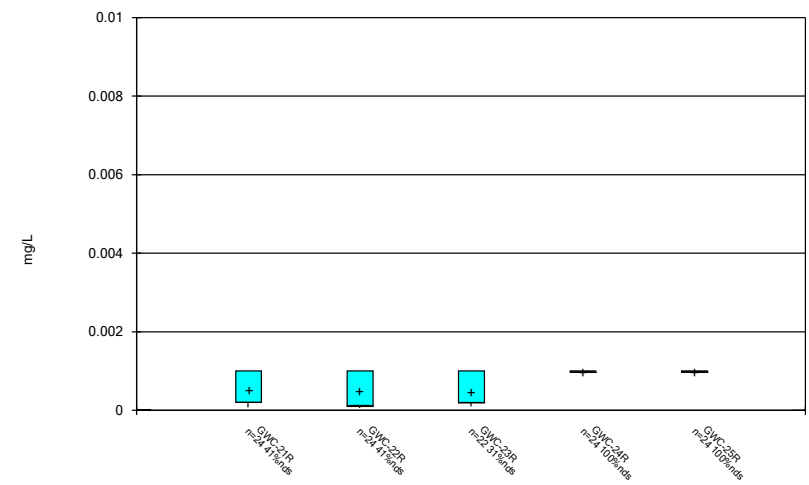
Constituent: Thallium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



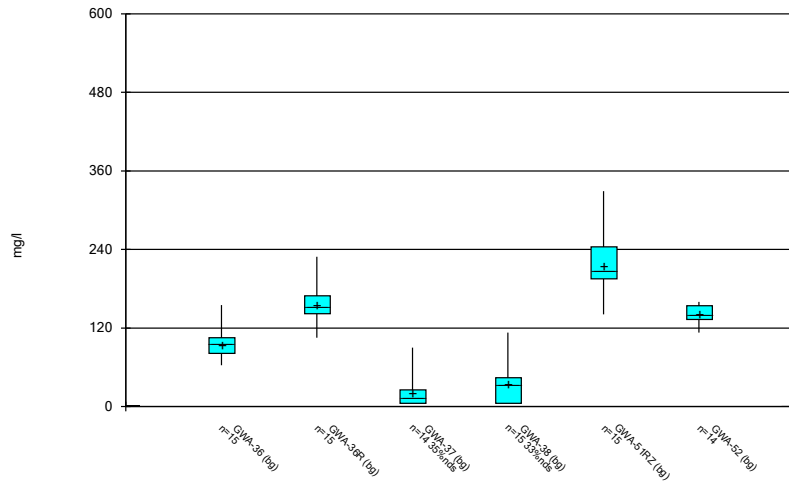
Constituent: Thallium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



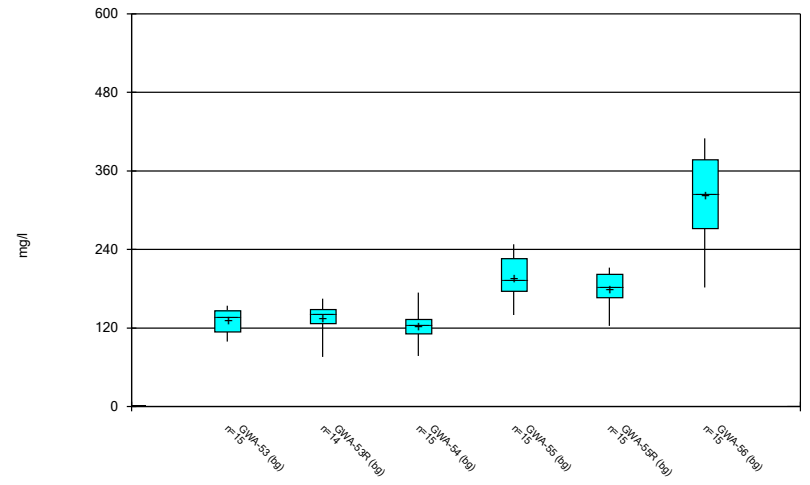
Constituent: Thallium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



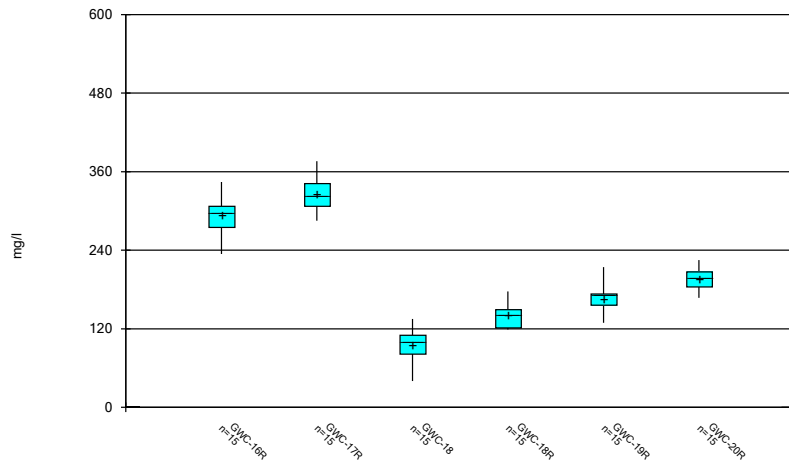
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



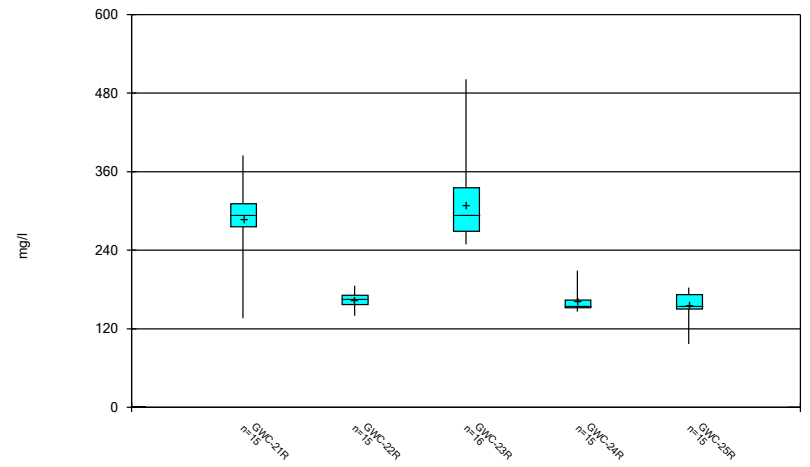
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



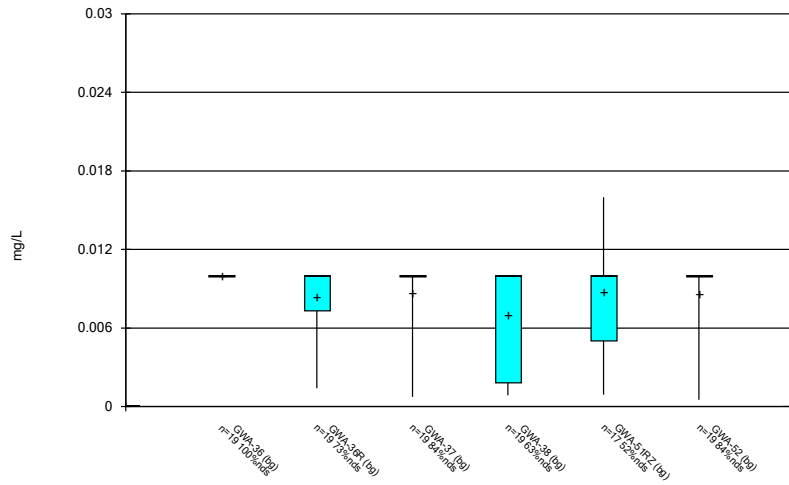
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



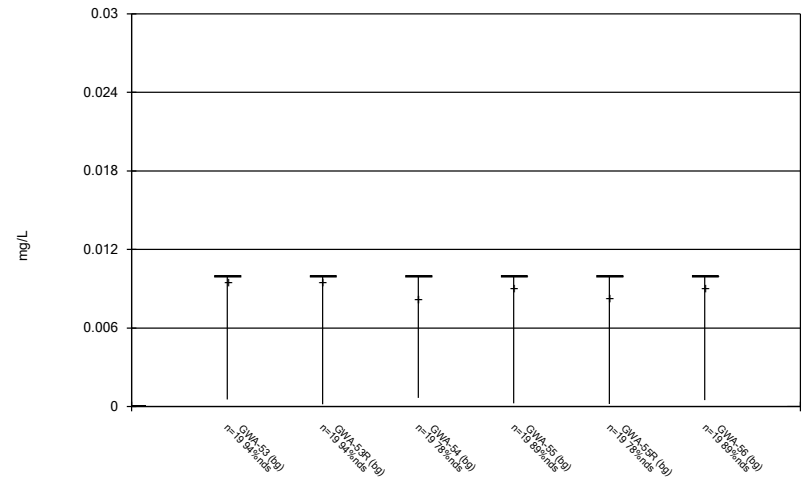
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



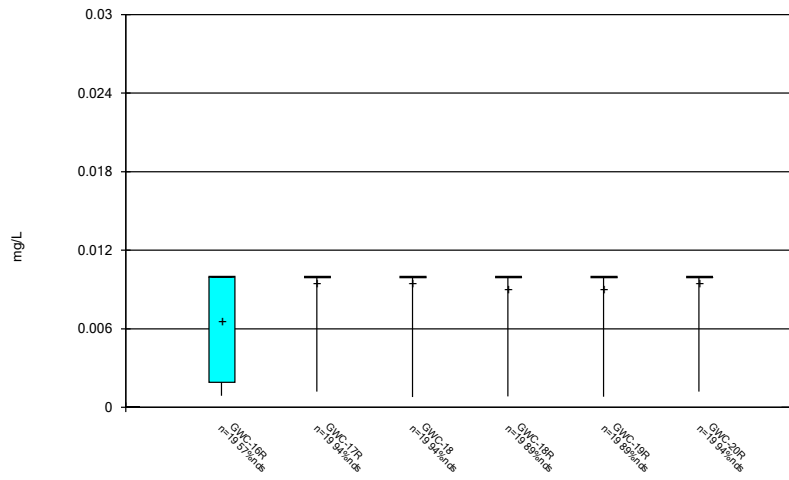
Constituent: Vanadium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



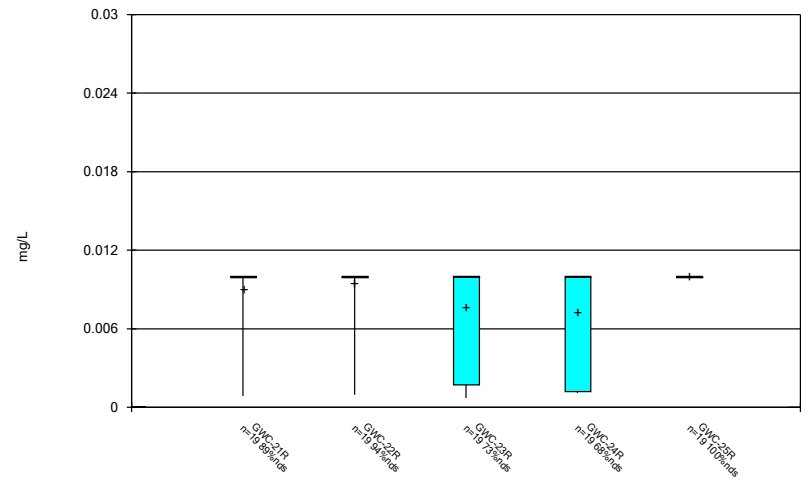
Constituent: Vanadium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



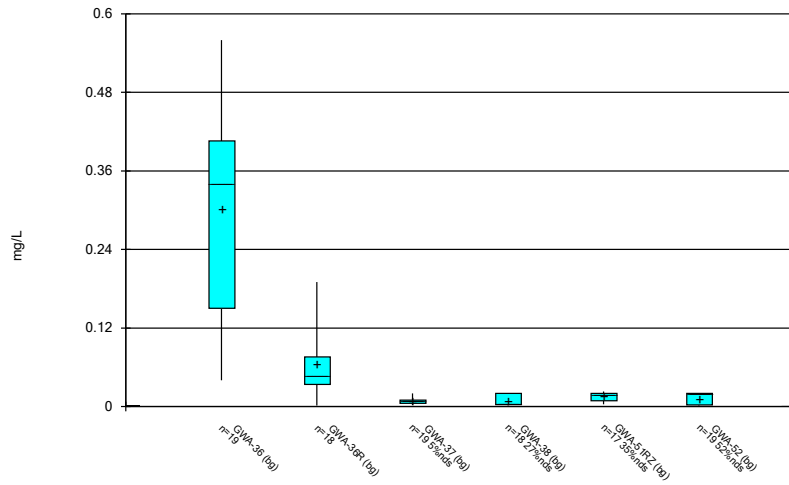
Constituent: Vanadium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



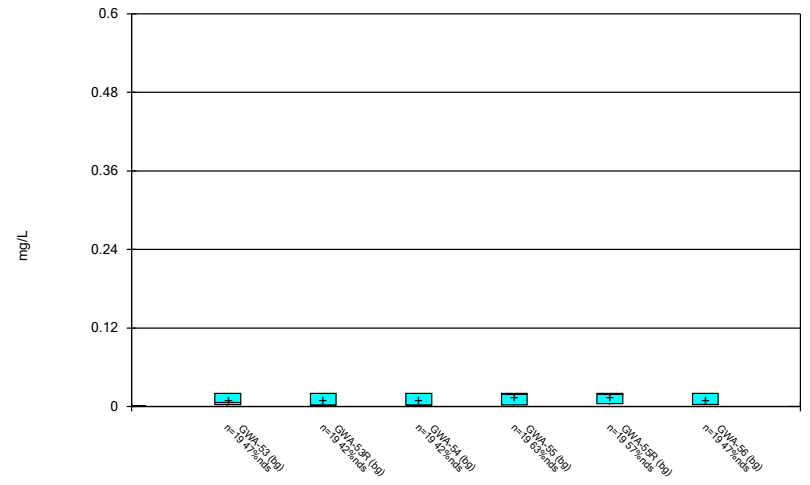
Constituent: Vanadium Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



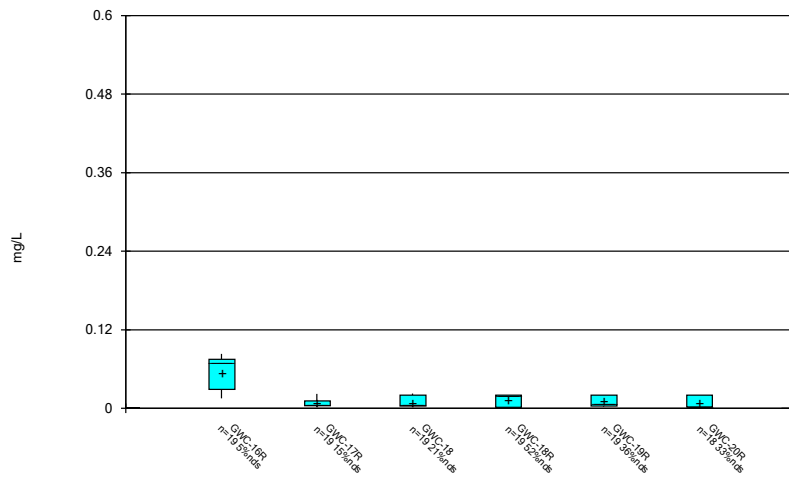
Constituent: Zinc Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



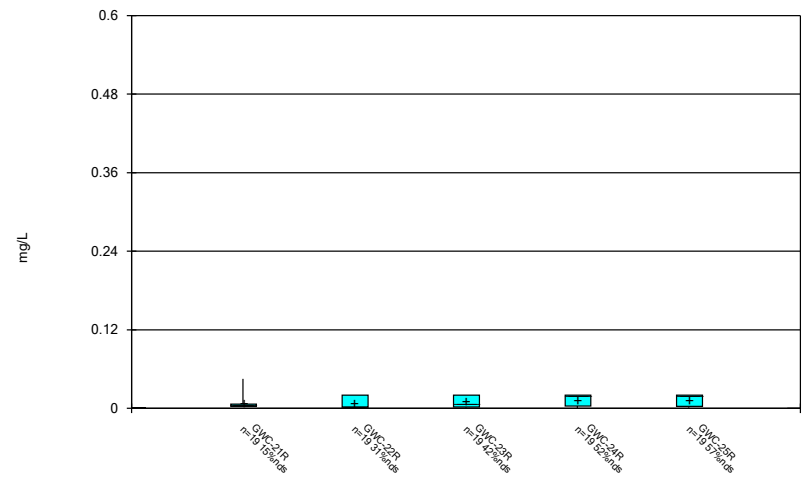
Constituent: Zinc Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 1/26/2021 12:54 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 2:34 PM

GWC-19R Barium (mg/L) GWC-24R Barium (mg/L) GWA-51RZ Chromium (mg/L) GWC-18 Chromium (mg/L) GWC-18R Chromium (mg/L) GWA-38 Cobalt (mg/L) GWC-17R Fluoride (mg/L) GWC-21R Nickel (mg/L) GWC-17R Sulfate (mg/L) GWC-23R Thallium (mg/L)

Date	GWC-19R Barium (mg/L)	GWC-24R Barium (mg/L)	GWA-51RZ Chromium (mg/L)	GWC-18 Chromium (mg/L)	GWC-18R Chromium (mg/L)	GWA-38 Cobalt (mg/L)	GWC-17R Fluoride (mg/L)	GWC-21R Nickel (mg/L)	GWC-17R Sulfate (mg/L)	GWC-23R Thallium (mg/L)
9/15/2014										
10/4/2014				0.025 (o)						
10/21/2014				0.024 (o)						
11/11/2014				0.025 (o)						
3/2/2015										
3/3/2015				0.029 (o)						
5/8/2015		0.036 (o)								
5/17/2015		0.029 (o)								
5/25/2015		0.029 (o)								
8/12/2015										
3/2/2016					<0.01 (o)					
3/3/2016										
3/4/2016		0.0422 (o)					2.1421 (O)			
3/7/2016	<3 (o)			<0.01 (o)						
3/8/2016							0.0261 (o)			
3/9/2016									0.0033 (Jo)	
5/3/2016					<0.01 (o)					
7/12/2016										
9/8/2016										
9/13/2016										
1/6/2017										
3/23/2017				<0.01 (o)						
3/12/2019									25.9 (O)	

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 2:34 PM

GWA-37 Total Dissolved Solids (mg/l)
GWA-51RZ Vanadium (mg/L)
GWA-36R Zinc (mg/L)
GWA-38 Zinc (mg/L)
GWA-51RZ Zinc (mg/L)
GWC-20R Zinc (mg/L)

9/15/2014
10/4/2014
10/21/2014
11/11/2014
3/2/2015
3/3/2015
5/8/2015
5/17/2015
5/25/2015
8/12/2015
3/2/2016
3/3/2016
3/4/2016
3/7/2016
3/8/2016
3/9/2016
5/3/2016
7/12/2016
9/8/2016
9/13/2016
1/6/2017
3/23/2017
3/12/2019

0.44 (o)

0.041 (o)

0.12 (o)

0.0279 (o)

0.557 (o)

189 (O)

FIGURE D.

State Intrawell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-36	0.0032	n/a	9/3/2020	0.00094J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.0052	n/a	9/3/2020	0.0012J	No	20	n/a	n/a	45	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-51RZ	0.0033	n/a	9/9/2020	0.00035J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-53	0.003	n/a	9/8/2020	0.0017J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-53R	0.0034	n/a	9/8/2020	0.00078J	No	20	n/a	n/a	60	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-54	0.003	n/a	9/8/2020	0.003ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-55	0.003	n/a	9/4/2020	0.00065J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-55R	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-56	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-16R	0.0187	n/a	9/9/2020	0.015	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.0064	n/a	9/8/2020	0.0041	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	9/9/2020	0.00094J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	9/4/2020	0.0013J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-36R	0.005	n/a	9/14/2020	0.005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-51RZ	0.008095	n/a	9/9/2020	0.005ND	No	19	0.002535	0.002138	36.84	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Arsenic (mg/L)	GWA-52	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-53	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-53R	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-54	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-55	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-55R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-56	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	9/9/2020	0.0011J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.005	n/a	9/8/2020	0.0023J	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	9/8/2020	0.0025J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-36	0.01907	n/a	9/3/2020	0.014	No	15	0.01257	0.002339	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-36R	0.03424	n/a	9/14/2020	0.03	No	20	0.02211	0.004732	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-37	0.014	n/a	9/3/2020	0.0045J	No	20	0.008485	0.002151	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-38	0.01787	n/a	9/3/2020	0.011	No	19	0.01284	0.001936	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-51RZ	0.0345	n/a	9/9/2020	0.017	No	20	0.01511	0.007558	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-52	0.04903	n/a	9/3/2020	0.017	No	20	0.02779	0.008281	5	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-53	0.02258	n/a	9/8/2020	0.012	No	15	0.01479	0.002803	6.667	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-53R	0.01632	n/a	9/8/2020	0.013	No	20	0.0144	0.0007501	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-54	0.058	n/a	9/8/2020	0.035	No	20	n/a	n/a	5	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-55	0.03737	n/a	9/4/2020	0.022	No	20	0.02333	0.005472	5	None	No	0.0002993	Param Intra 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWA-55R	0.08801	n/a	9/4/2020	0.032	No	20	0.05106	0.0144	5	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-56	0.03746	n/a	9/4/2020	0.033	No	20	0.02309	0.005602	5	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-16R	0.079	n/a	9/9/2020	0.051	No	20	0.2188	0.02428	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-17R	0.02153	n/a	9/9/2020	0.018	No	19	0.01975	0.0006818	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04779	n/a	9/9/2020	0.016	No	19	0.0302	0.006763	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18R	0.0176	n/a	9/9/2020	0.014	No	17	0.00000272	0.00000100	3.882	None	x^3	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-19R	0.01846	n/a	9/9/2020	0.014	No	19	0.01597	0.0009569	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-20R	0.03595	n/a	9/4/2020	0.033	No	20	0.02989	0.002362	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-21R	0.0377	n/a	9/8/2020	0.015	No	20	n/a	n/a	0	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-22R	0.07123	n/a	9/8/2020	0.054	No	20	0.03822	0.01287	5	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-23R	0.0421	n/a	9/9/2020	0.036	No	20	0.02645	0.006104	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-24R	0.03363	n/a	9/9/2020	0.024	No	19	0.02339	0.003934	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-25R	0.0167	n/a	9/4/2020	0.016	No	20	n/a	n/a	0	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36	0.003	n/a	9/3/2020	0.0002J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36R	0.0032	n/a	9/14/2020	0.00012J	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	9/3/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	9/3/2020	0.003ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-51RZ	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-53	0.003	n/a	9/8/2020	0.000055J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-53R	0.003	n/a	9/8/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-55	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-55R	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-56	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	9/9/2020	0.0002J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	9/9/2020	0.003ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	9/4/2020	0.003ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-36	0.001664	n/a	9/3/2020	0.00089J	No	20	0.0008898	0.000302	15	None	No	0.0002993	Param Intra 1 of 2
Cadmium (mg/L)	GWA-36R	0.001	n/a	9/14/2020	0.00016J	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-37	0.0025	n/a	9/3/2020	0.0025ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0025	n/a	9/3/2020	0.0025ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-51RZ	0.0025	n/a	9/9/2020	0.0025ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0025	n/a	9/9/2020	0.0025ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0025	n/a	9/8/2020	0.0025ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0025	n/a	9/8/2020	0.0025ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0025	n/a	9/4/2020	0.0025ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36	0.01	n/a	9/3/2020	0.01ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36R	0.01	n/a	9/14/2020	0.01ND	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.01	n/a	9/3/2020	0.01ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.01	n/a	9/3/2020	0.0013J	No	20	n/a	n/a	20	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-51RZ	0.02	n/a	9/9/2020	0.01ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-52	0.01	n/a	9/3/2020	0.0011J	No	20	n/a	n/a	60	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-53	0.01	n/a	9/8/2020	0.01ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-53R	0.01	n/a	9/8/2020	0.01ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-54	0.01	n/a	9/8/2020	0.0014J	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-55	0.01	n/a	9/4/2020	0.0012J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-55R	0.01	n/a	9/4/2020	0.01ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-56	0.01	n/a	9/4/2020	0.0012J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-16R	0.01	n/a	9/9/2020	0.00056J	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.01	n/a	9/9/2020	0.01ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-18	0.01201	n/a	9/9/2020	0.001J	No	18	-5.726	0.4943	11.11	None	ln(x)	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-18R	0.01	n/a	9/9/2020	0.01ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19R	0.01	n/a	9/9/2020	0.01ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.01	n/a	9/4/2020	0.00078J	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.01	n/a	9/8/2020	0.0013J	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.01ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.01	n/a	9/9/2020	0.01ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.01	n/a	9/9/2020	0.01ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.01	n/a	9/4/2020	0.00073J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36R	0.005	n/a	9/14/2020	0.005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	55	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.004336	n/a	9/3/2020	0.00091J	No	17	0.04368	0.008291	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWA-51RZ	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-54	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-55	0.00715	n/a	9/4/2020	0.0012J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-55R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-16R	0.00818	n/a	9/9/2020	0.00069J	No	20	0.0431	0.01846	15	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.00087J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	9/4/2020	0.0012J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36	0.025	n/a	9/3/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36R	0.025	n/a	9/14/2020	0.025ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.02858	n/a	9/3/2020	0.0067J	No	10	0.01155	0.005241	0	None	No	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWA-38	0.025	n/a	9/3/2020	0.025ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-51RZ	0.025	n/a	9/9/2020	0.0019J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-52	0.025	n/a	9/3/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-53	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-53R	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-54	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-55	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-55R	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-56	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	13.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-17R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-18	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.025	n/a	9/8/2020	0.025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.025	n/a	9/9/2020	0.025ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.025	n/a	9/9/2020	0.0017J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.025	n/a	9/4/2020	0.025ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36	0.005	n/a	9/3/2020	0.00012J	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36R	0.0069	n/a	9/14/2020	0.00065J	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.005	n/a	9/3/2020	0.005ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant) Page 4

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWA-51RZ	0.005	n/a	9/9/2020	0.000089J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-53	0.005	n/a	9/8/2020	0.00012J	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-53R	0.005	n/a	9/8/2020	0.0006J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-54	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-55	0.005	n/a	9/4/2020	0.0001J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-55R	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-56	0.005	n/a	9/4/2020	0.005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.005	n/a	9/9/2020	0.00017J	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.005	n/a	9/9/2020	0.00006J	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.005	n/a	9/9/2020	0.00025J	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.005	n/a	9/8/2020	0.000067J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.005	n/a	9/8/2020	0.005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.005	n/a	9/9/2020	0.0001J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.005	n/a	9/4/2020	0.00012J	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36	0.0005	n/a	9/3/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36R	0.0005	n/a	9/14/2020	0.0005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0005	n/a	9/3/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0005	n/a	9/3/2020	0.0005ND	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-51RZ	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	75	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0005	n/a	9/4/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-21R	0.0005	n/a	9/8/2020	0.0005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0005	n/a	9/8/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0005	n/a	9/9/2020	0.0005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0005	n/a	9/4/2020	0.0005ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36	0.0142	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36R	0.01	n/a	9/14/2020	0.01ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02948	n/a	9/3/2020	0.0096J	No	15	0.01434	0.005448	0	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWA-38	0.01429	n/a	9/3/2020	0.00089J	No	15	0.05358	0.02374	26.67	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWA-51RZ	0.01	n/a	9/9/2020	0.01ND	No	14	n/a	n/a	85.71	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-52	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-53	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-54	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-55	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-55R	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-56	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-16R	0.02928	n/a	9/9/2020	0.0067J	No	11	0.01443	0.004761	0	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	9/8/2020	0.0014J	No	14	n/a	n/a	42.86	n/a	n/a	0.008612	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.00083J	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

State Intrawell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWC-24R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-51RZ	0.01	n/a	9/9/2020	0.0059J	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Selenium (mg/L)	GWA-55	0.01	n/a	9/4/2020	0.01ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-55R	0.01	n/a	9/4/2020	0.01ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-56	0.01	n/a	9/4/2020	0.01ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.01	n/a	9/9/2020	0.0017J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36	0.001	n/a	9/3/2020	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36R	0.001	n/a	9/14/2020	0.001ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-51RZ	0.001	n/a	9/9/2020	0.001ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-52	0.001	n/a	9/3/2020	0.001ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-53	0.001	n/a	9/8/2020	0.001ND	No	20	n/a	n/a	55	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-54	0.001	n/a	9/8/2020	0.001ND	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWA-55	0.001	n/a	9/4/2020	0.001ND	No	20	n/a	n/a	65	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-55R	0.001	n/a	9/4/2020	0.001ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.00116	n/a	9/9/2020	0.001ND	No	20	-8.321	0.6089	20	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	9/9/2020	0.001ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	9/4/2020	0.001ND	No	20	n/a	n/a	45	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	9/8/2020	0.001ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	9/8/2020	0.00016J	No	20	n/a	n/a	50	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	9/9/2020	0.00016J	No	18	n/a	n/a	33.33	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWA-36R	0.01	n/a	9/14/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-51RZ	0.01862	n/a	9/9/2020	0.01ND	No	13	0.006365	0.004195	46.15	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Vanadium (mg/L)	GWA-52	0.01	n/a	9/3/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-53	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-53R	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-54	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-55	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-55R	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-56	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	9/4/2020	0.01ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.01ND	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	9/9/2020	0.01ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-36	0.6606	n/a	9/3/2020	0.35	No	10	0.3509	0.09528	0	None	No	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-36R	0.2321	n/a	9/14/2020	0.053	No	14	0.06816	0.05752	0	None	No	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-37	0.01469	n/a	9/3/2020	0.0049J	No	15	0.007437	0.002609	6.667	None	No	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-38	0.01558	n/a	9/3/2020	0.02ND	No	14	0.06544	0.02083	21.43	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2

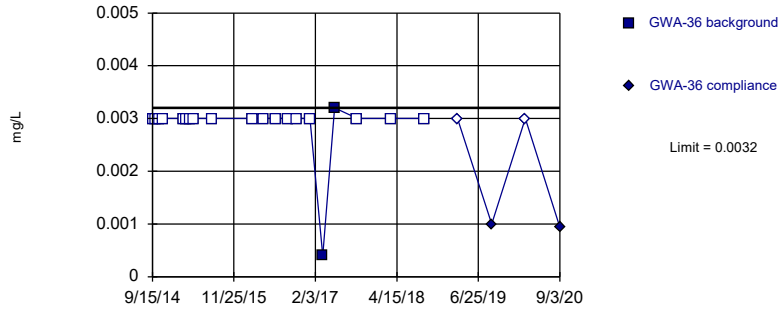
State Intrawell Prediction Limit Summary - All Results (No Significant) Page 6

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWA-51RZ	0.03012	n/a	9/9/2020	0.02ND	No	13	0.01304	0.00585	30.77	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-52	0.02	n/a	9/3/2020	0.02ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-53	0.02	n/a	9/8/2020	0.02ND	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-53R	0.02	n/a	9/8/2020	0.02ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-54	0.02	n/a	9/8/2020	0.02ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-55	0.02	n/a	9/4/2020	0.02ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-55R	0.02	n/a	9/4/2020	0.02ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-56	0.02	n/a	9/4/2020	0.02ND	No	15	n/a	n/a	46.67	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.09557	n/a	9/9/2020	0.037	No	15	0.0002999	0.0002062	6.667	None	x^3	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-17R	0.0219	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	13.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.0225	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	13.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.02	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.02	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	33.33	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.02	n/a	9/4/2020	0.02ND	No	14	n/a	n/a	28.57	n/a	n/a	0.008612	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.006515	n/a	9/8/2020	0.0063J	No	15	-5.726	0.2492	20	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-22R	0.01	n/a	9/8/2020	0.0037J	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.02	n/a	9/9/2020	0.02ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-24R	0.01	n/a	9/9/2020	0.0048J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.02	n/a	9/4/2020	0.02ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

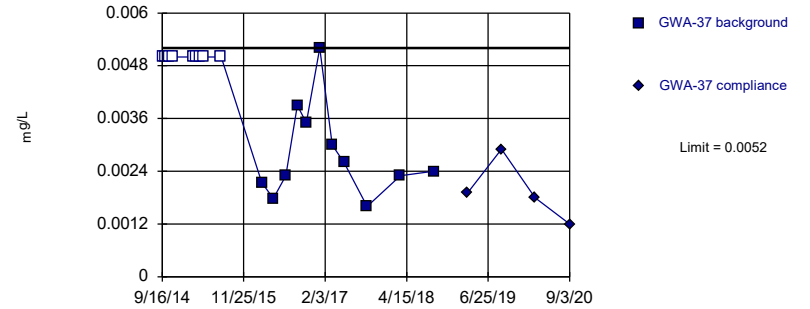


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

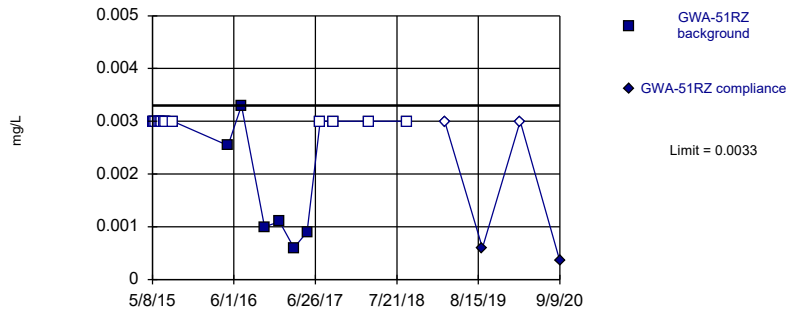


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 45% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

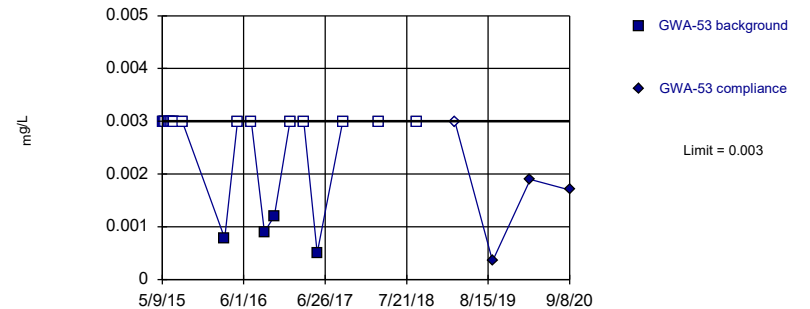


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

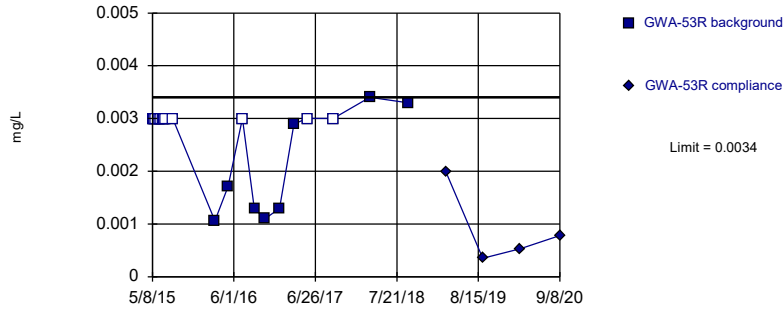


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

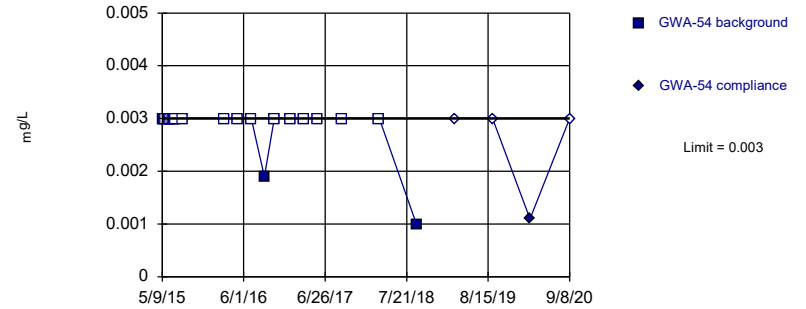


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 60% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

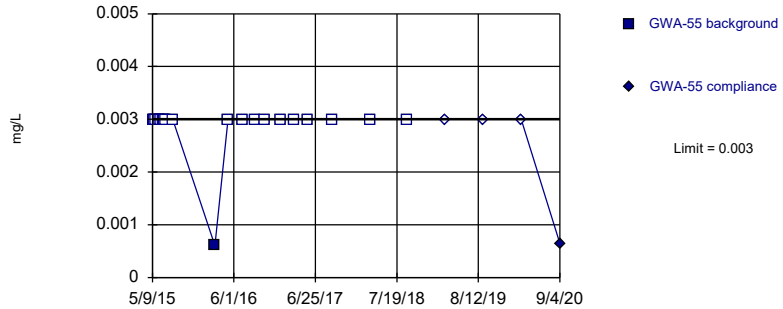


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

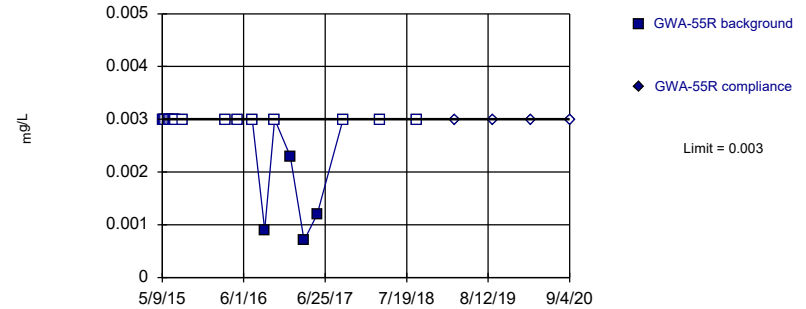


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

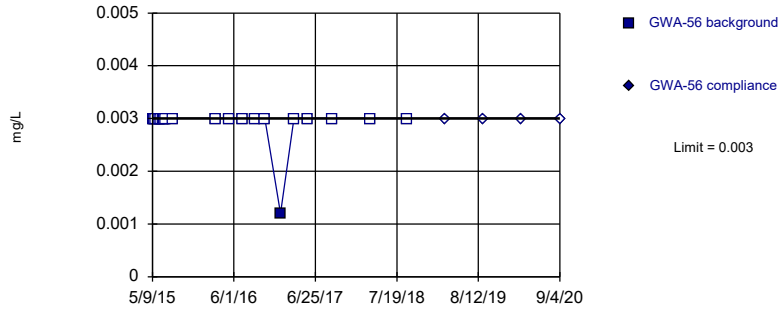


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

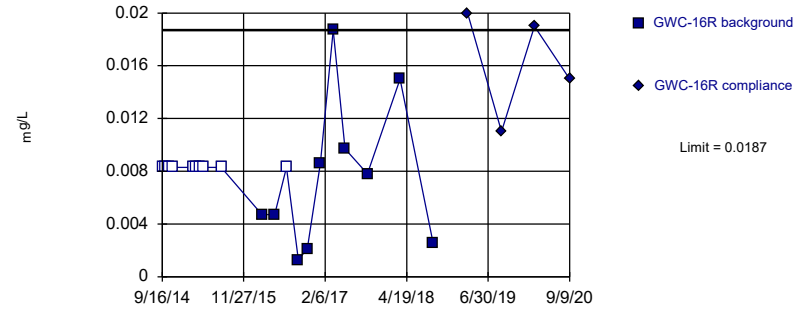


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

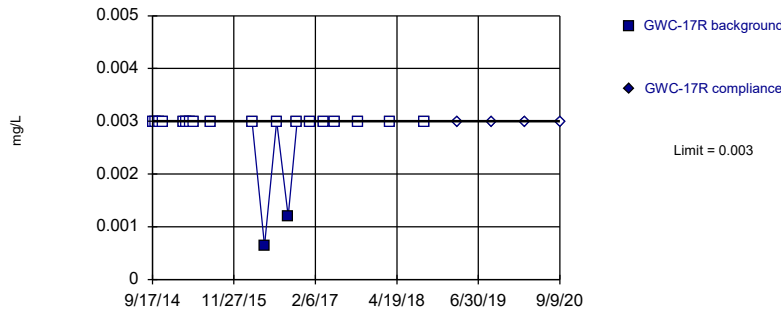


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

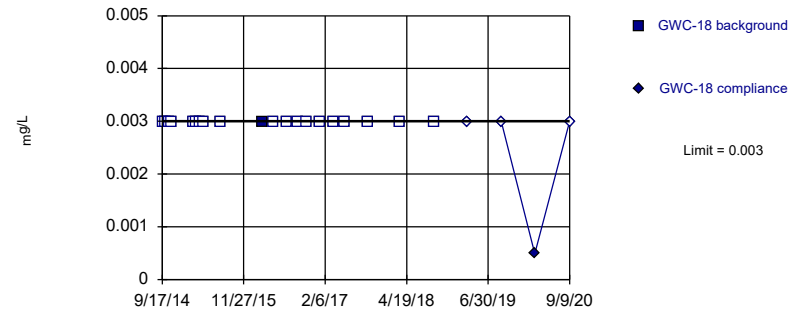


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

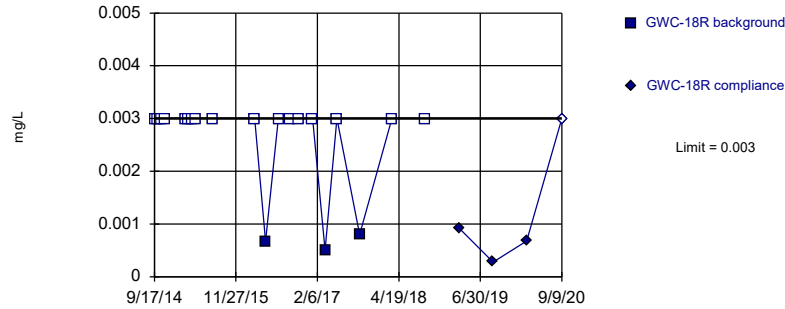


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

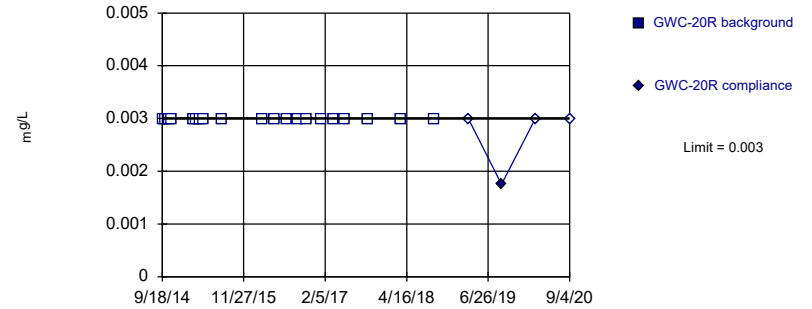


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

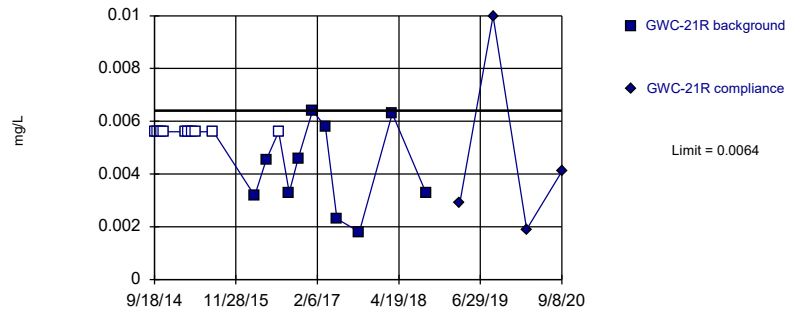


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

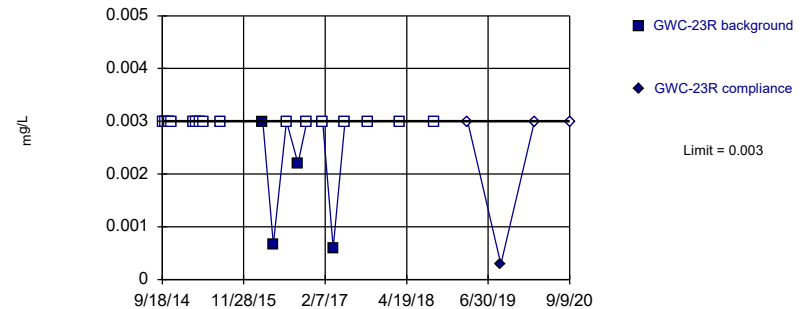


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

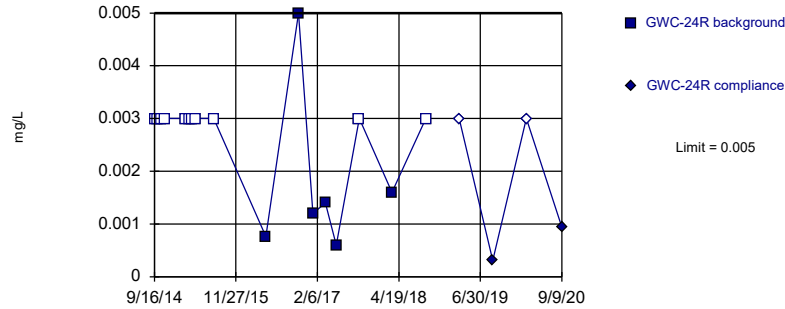


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

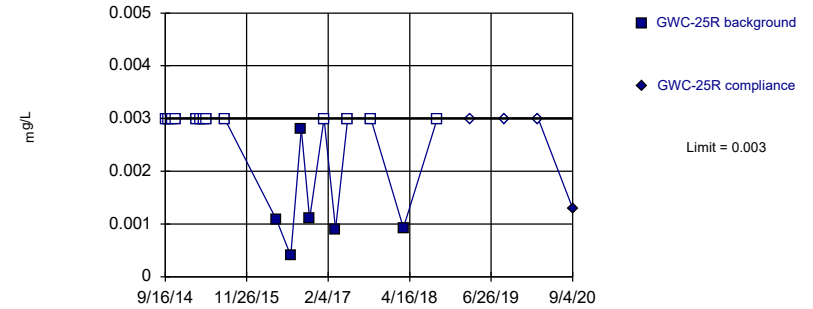


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

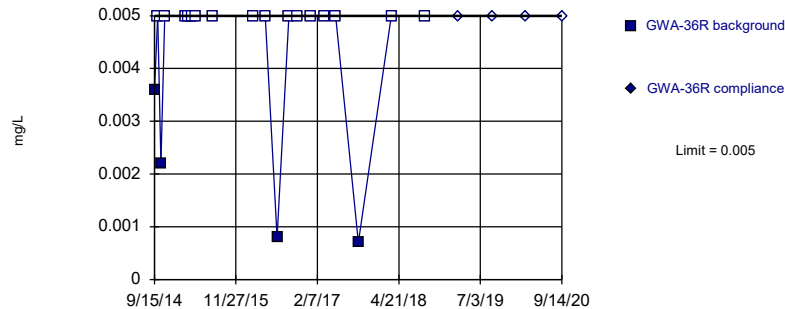


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Antimony Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

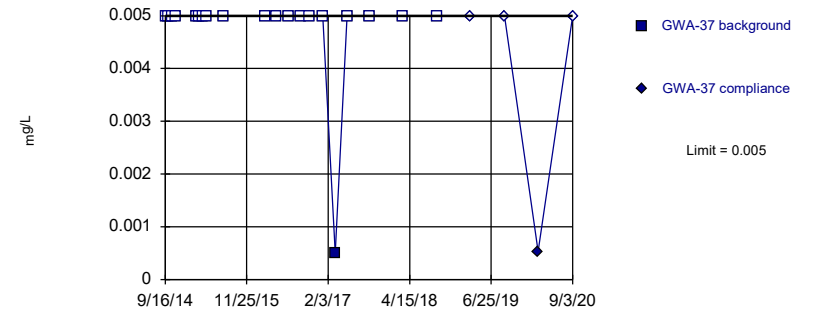


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

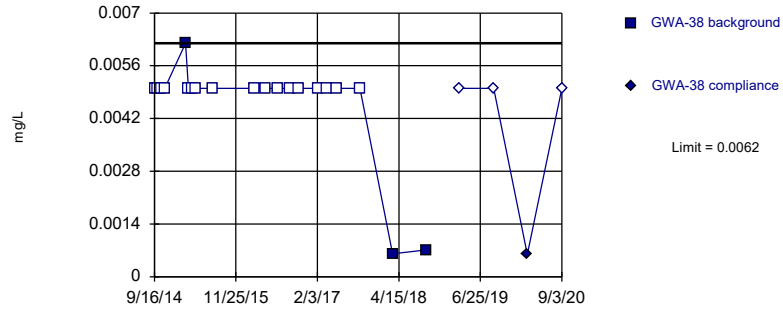


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:29 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

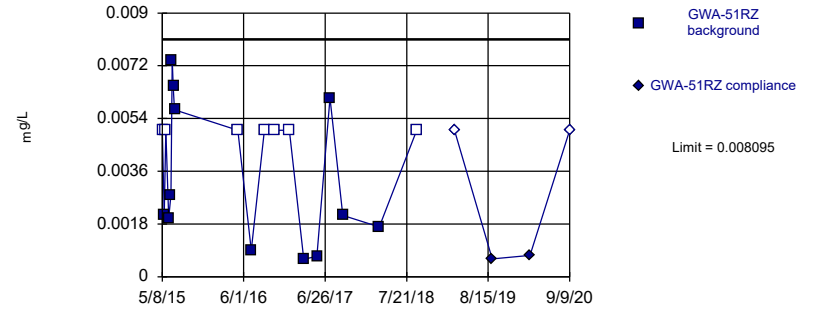


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

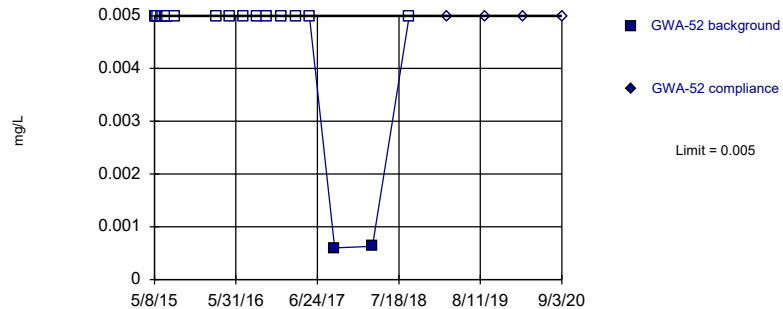


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002535, Std. Dev.=0.002138, n=19, 36.84% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8967, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

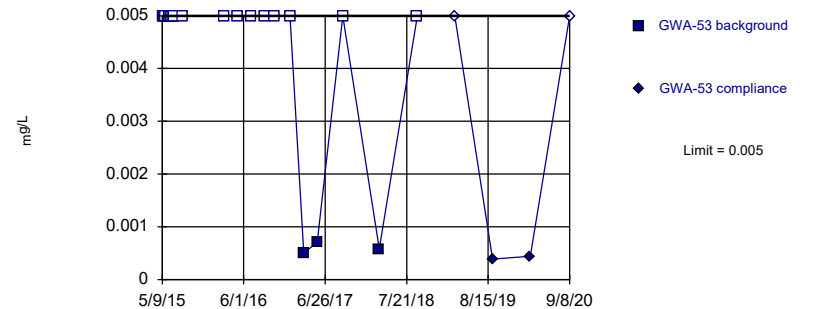


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

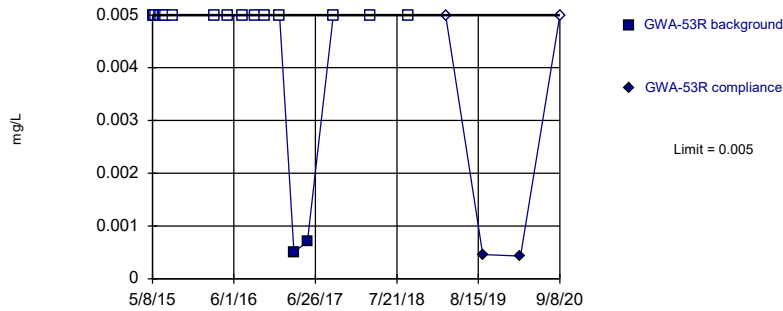


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

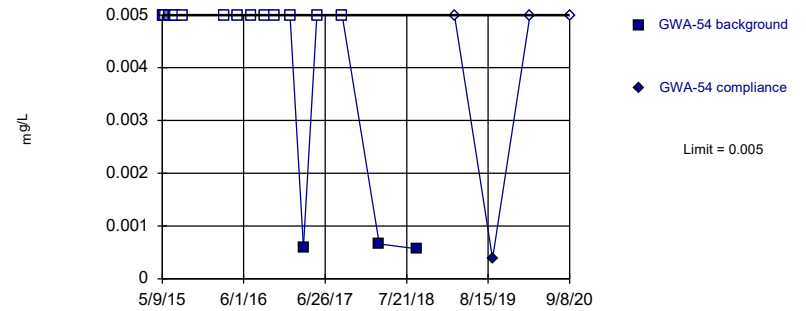


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

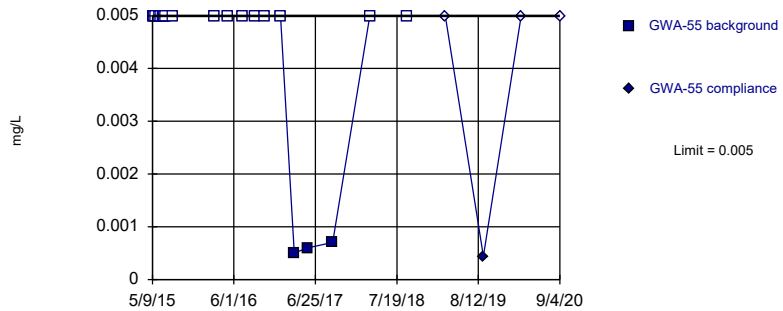


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

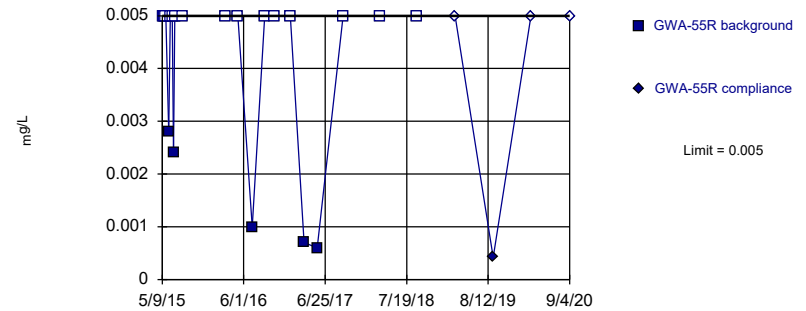


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

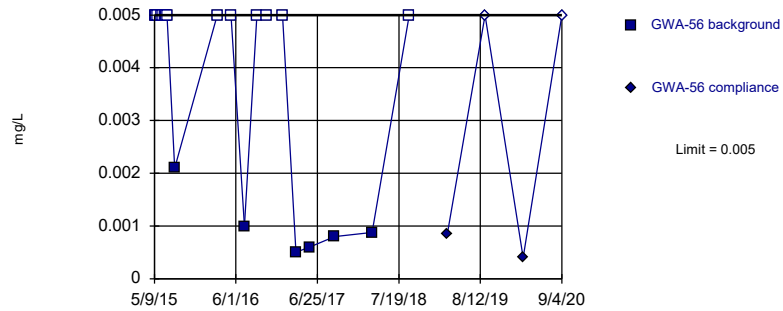


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

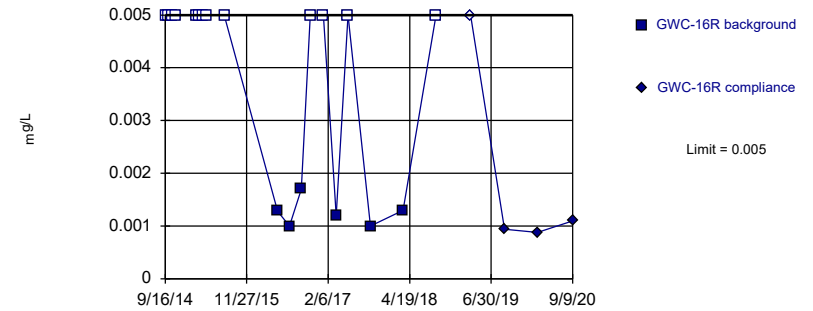


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

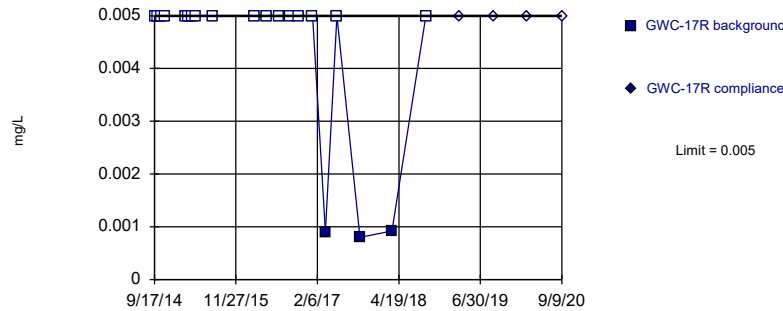


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

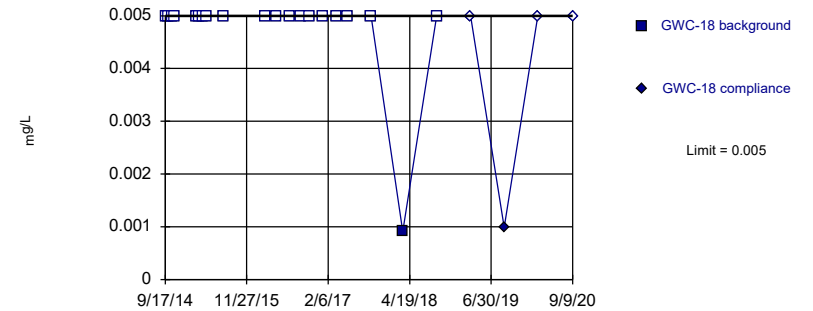


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

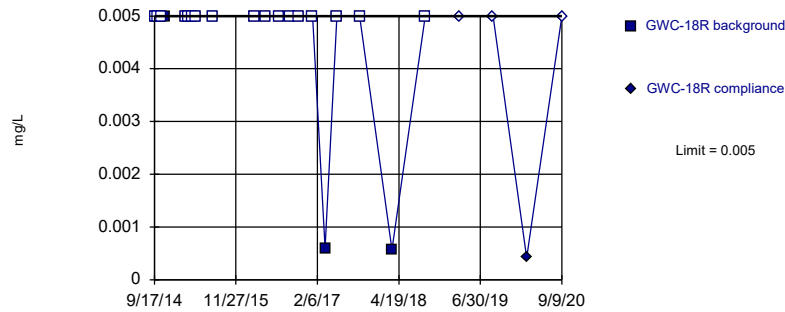


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

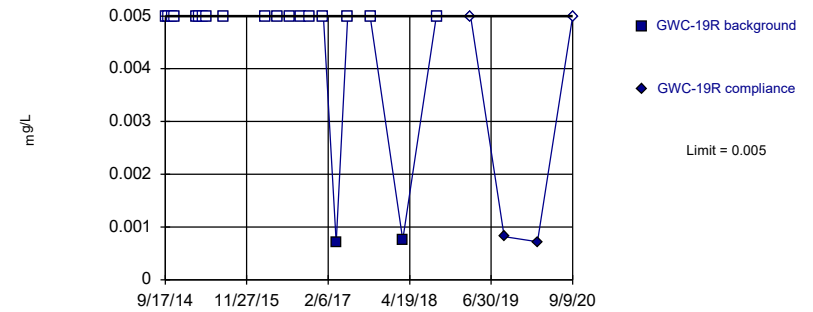


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

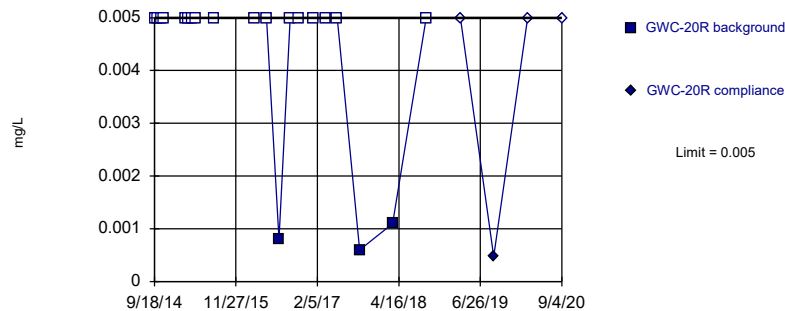


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

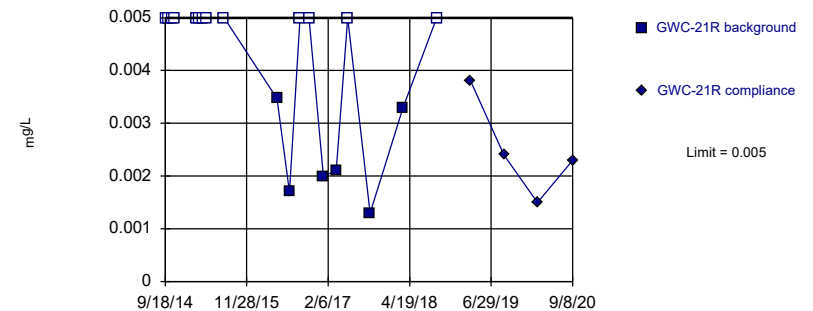


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

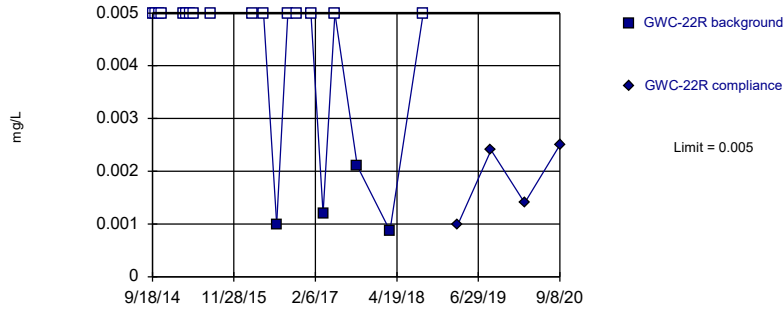


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

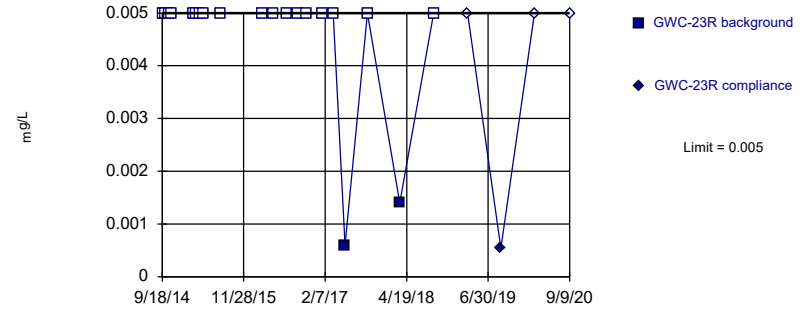


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

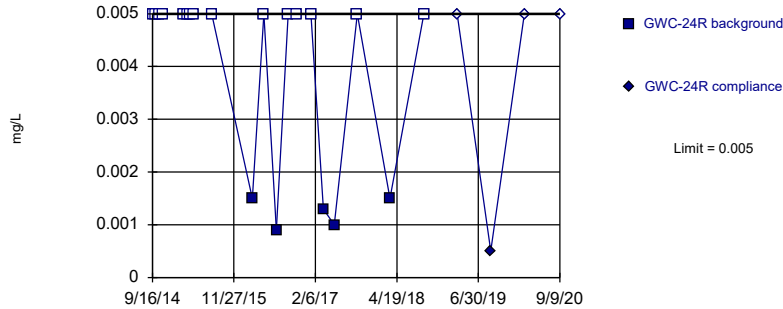


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

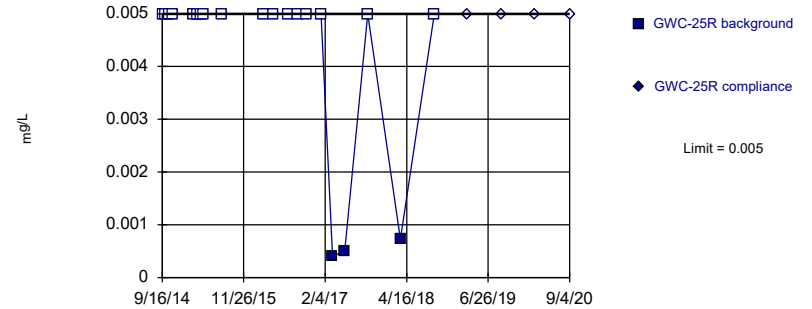


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

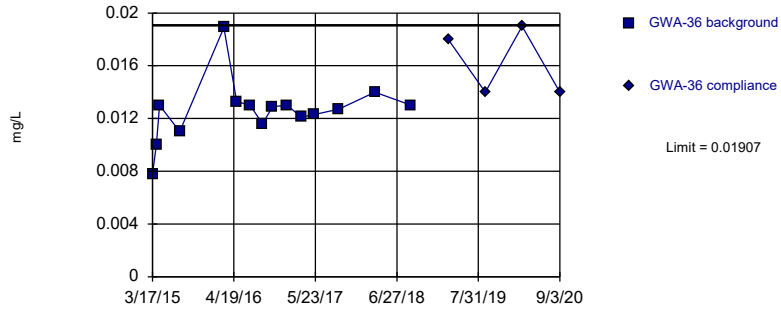
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Arsenic Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

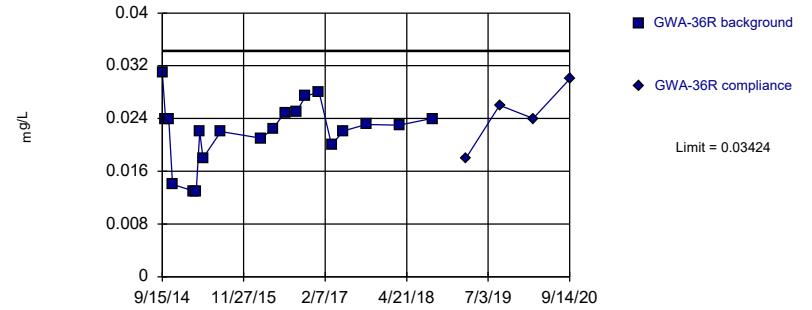
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01257, Std. Dev.=0.002339, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.851, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

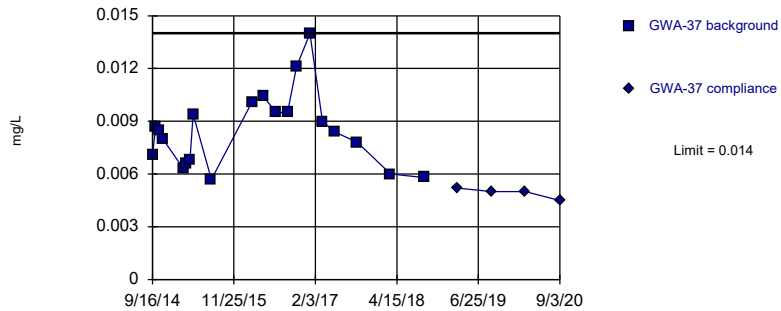
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02211, Std. Dev.=0.004732, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9286, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

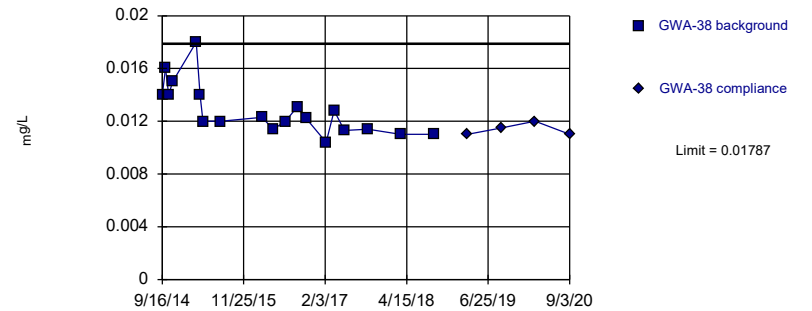
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.008485, Std. Dev.=0.002151, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit Prediction Limit
Intrawell Parametric

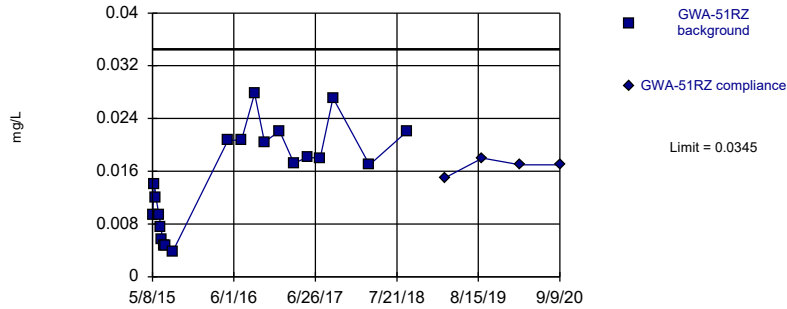


Background Data Summary: Mean=0.01284, Std. Dev.=0.001936, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

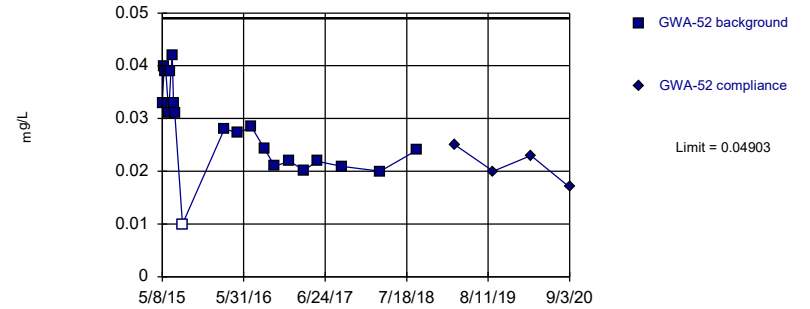


Background Data Summary: Mean=0.01511, Std. Dev.=0.007558, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9362, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

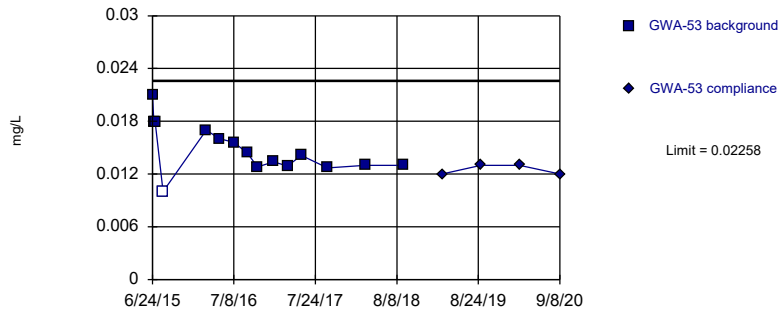


Background Data Summary: Mean=0.02779, Std. Dev.=0.008281, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

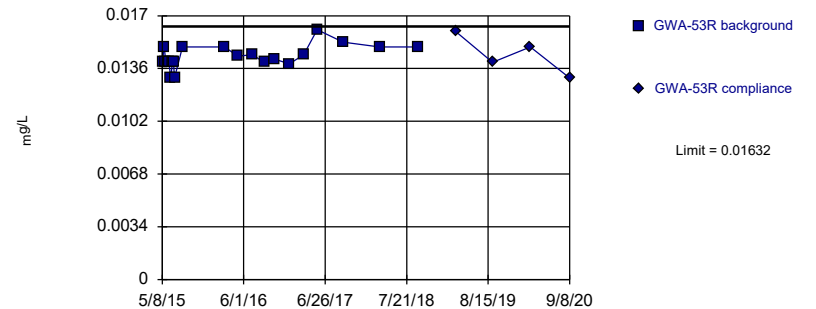


Background Data Summary: Mean=0.01479, Std. Dev.=0.002803, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

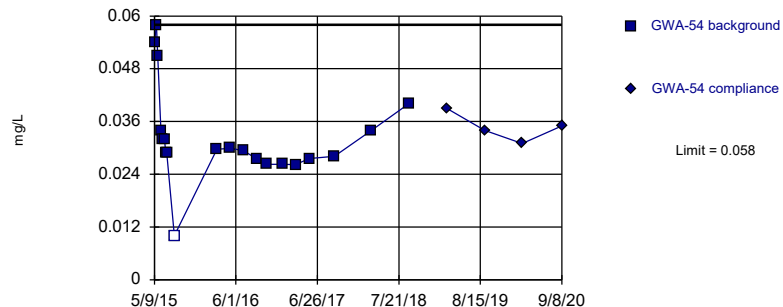


Background Data Summary: Mean=0.0144, Std. Dev.=0.0007501, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

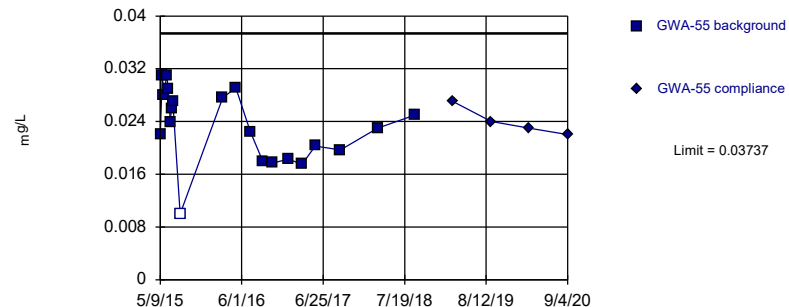


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 5% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

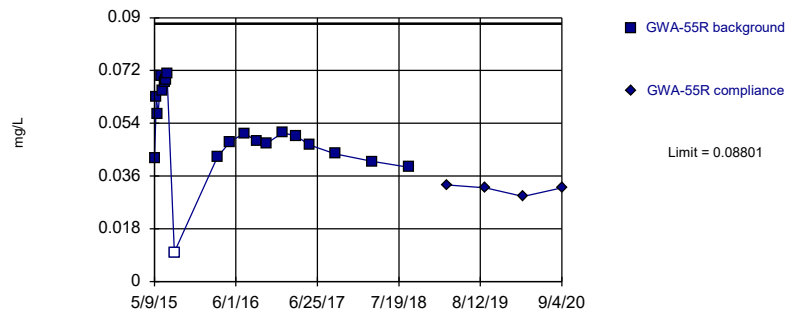


Background Data Summary: Mean=0.02333, Std. Dev.=0.005472, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9513, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

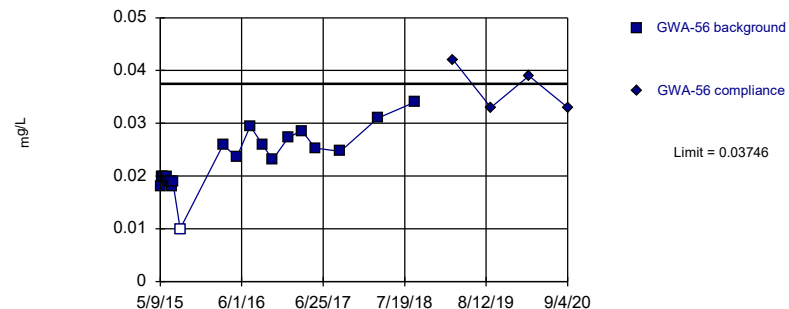


Background Data Summary: Mean=0.05106, Std. Dev.=0.0144, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8917, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

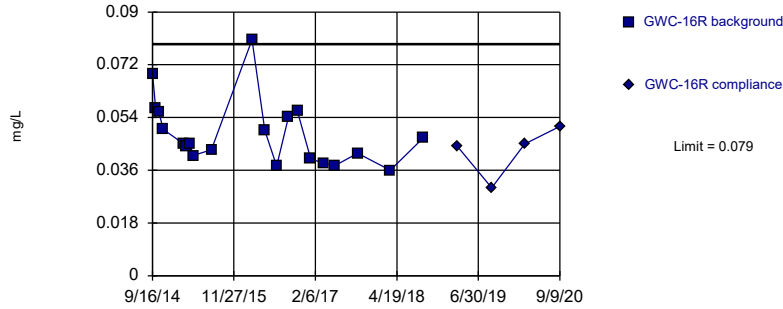
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02309, Std. Dev.=0.005602, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9649, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

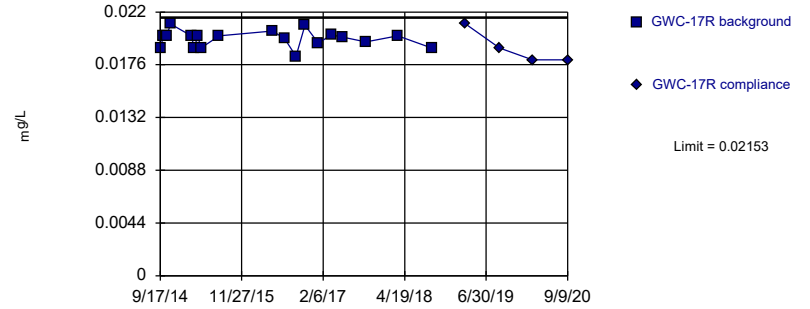
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2188, Std. Dev.=0.02428, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8997, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

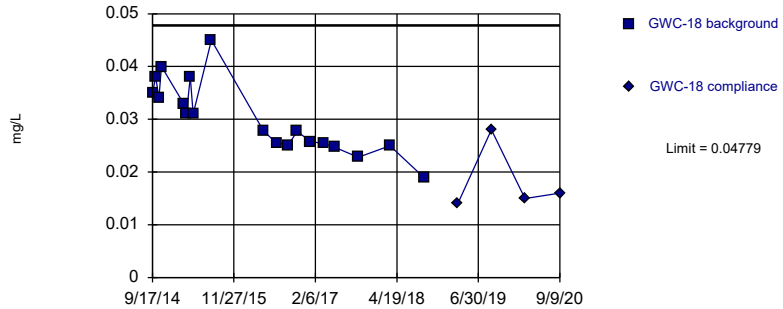
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01975, Std. Dev.=0.0006818, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

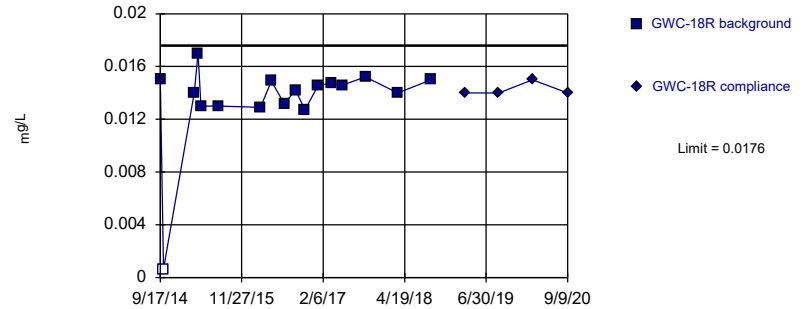
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.0302, Std. Dev.=0.006763, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9507, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

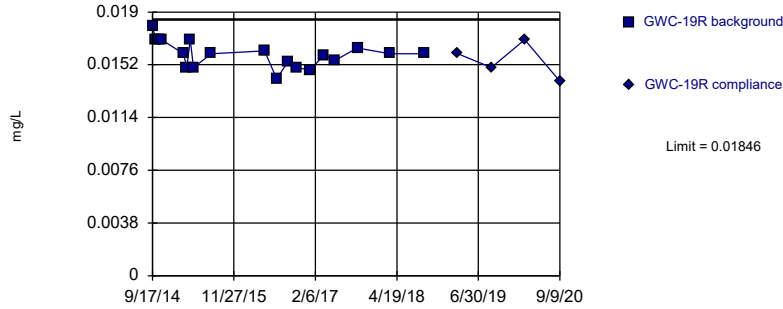
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=0.000002772, Std. Dev.=0.000001001, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8876, critical = 0.851. Kappa = 2.673 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

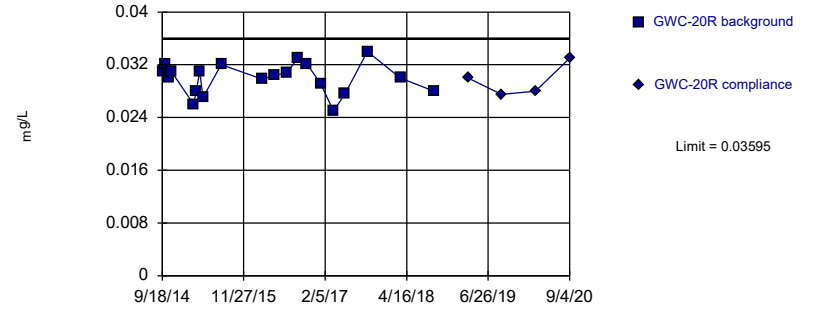
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01597, Std. Dev.=0.0009569, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9654, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

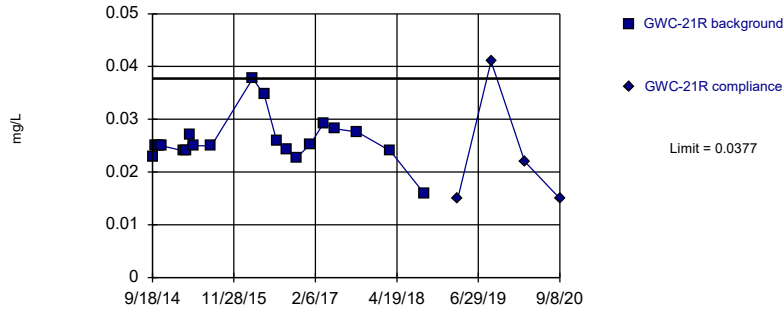
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02989, Std. Dev.=0.002362, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

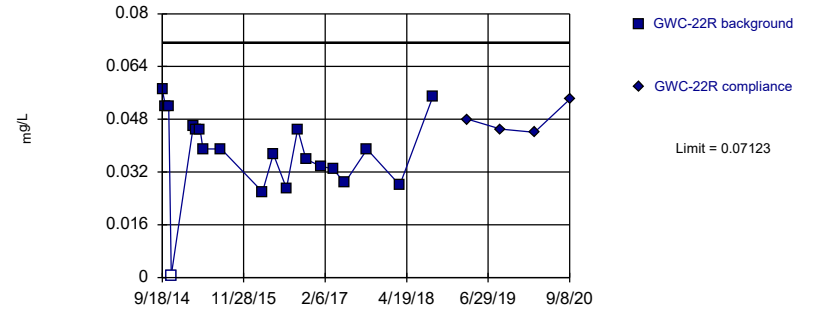
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

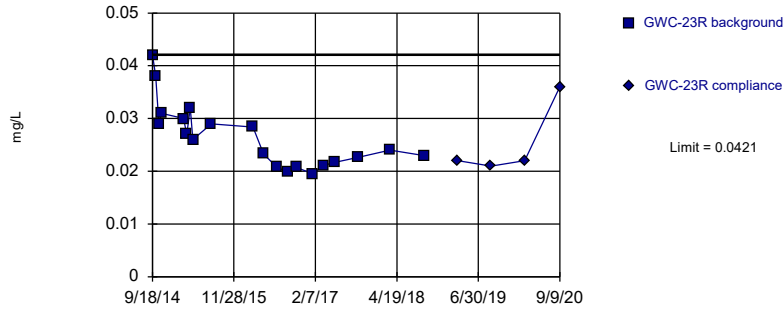
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.03822, Std. Dev.=0.01287, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9181, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

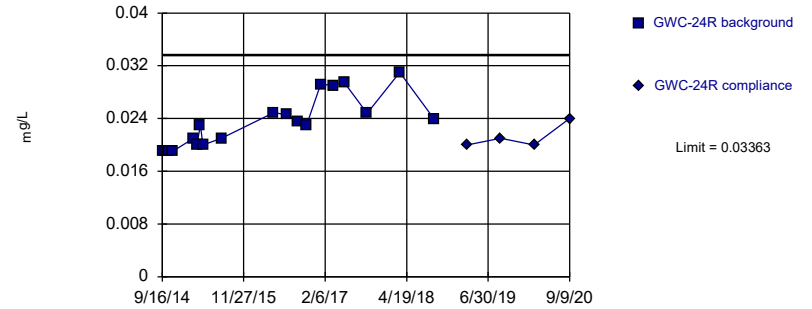
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02645, Std. Dev.=0.006104, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8978, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

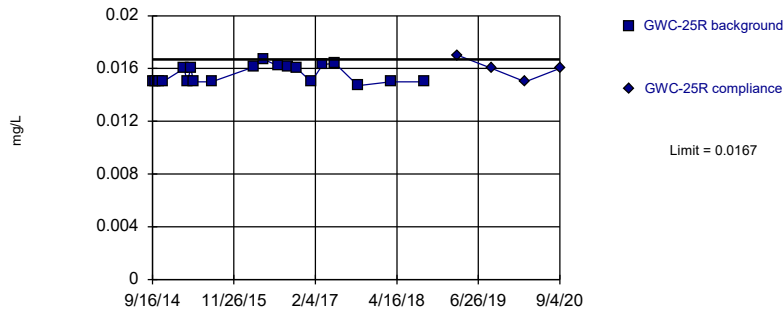
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02339, Std. Dev.=0.003934, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8951, critical = 0.863. Kappa = 2.601 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

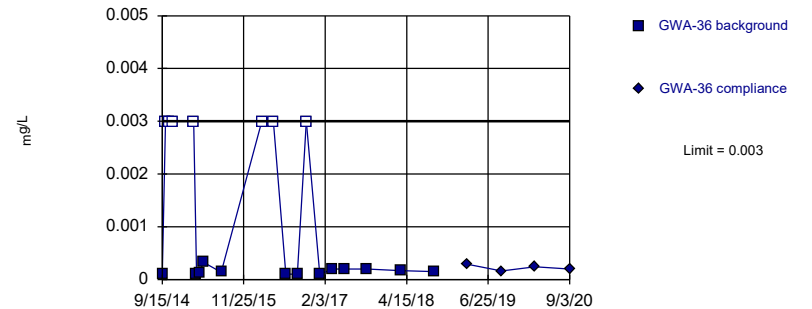
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Barium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit Prediction Limit
Intrawell Non-parametric

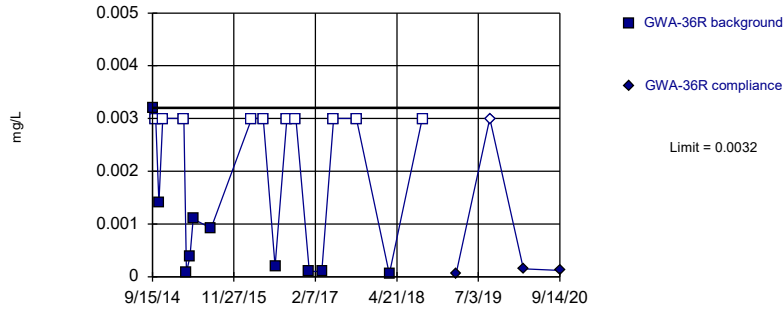


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

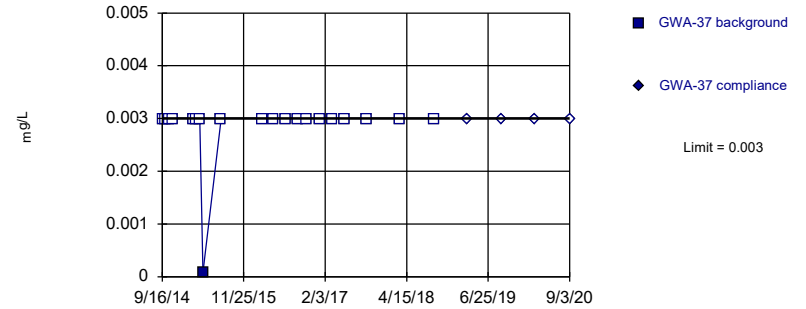


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

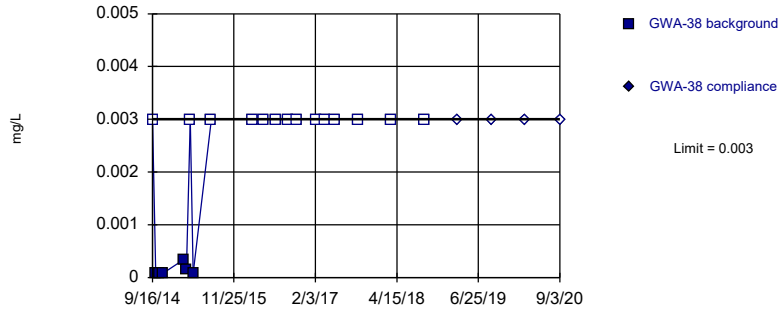


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

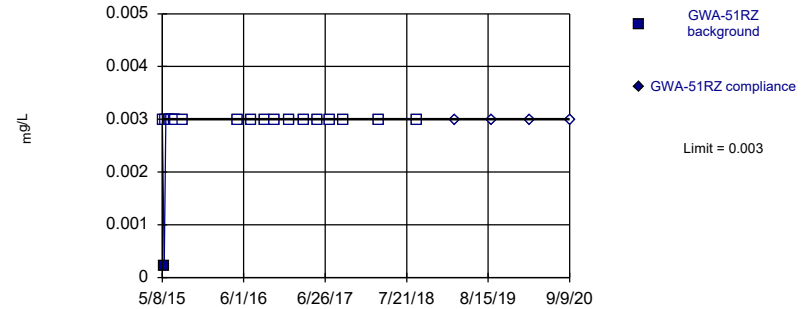


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

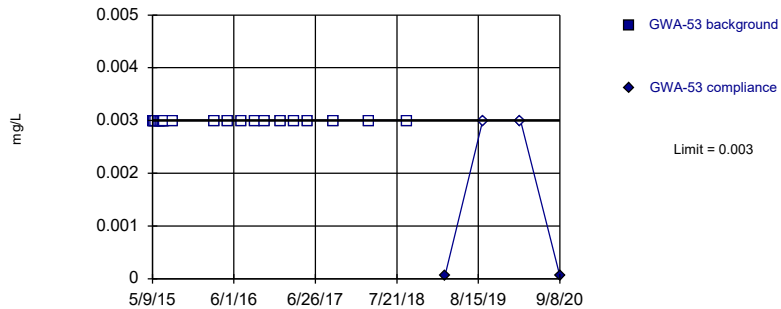


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

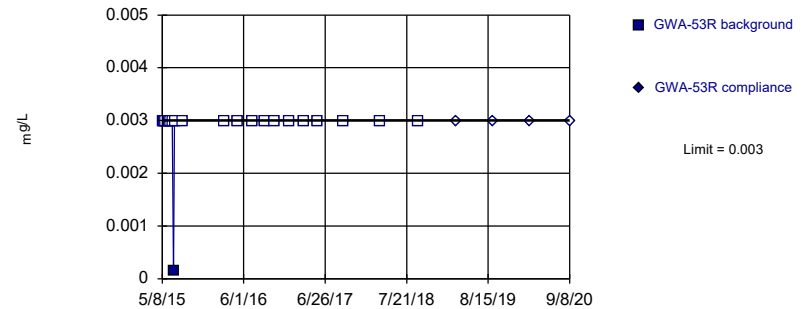


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

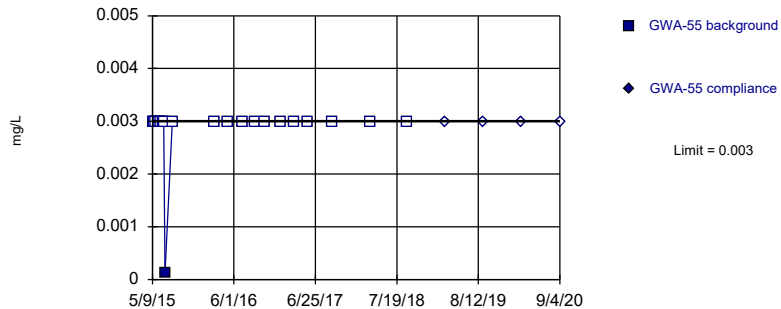


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

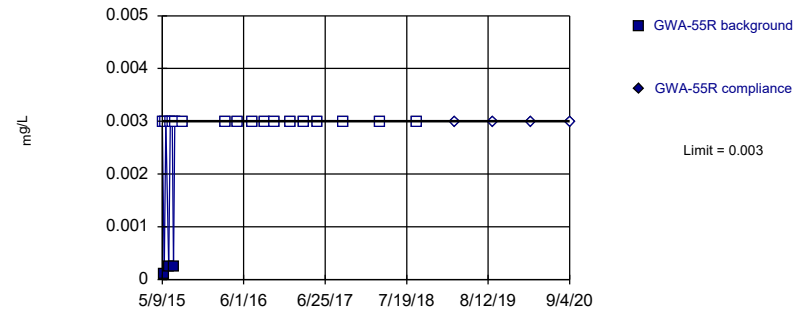


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

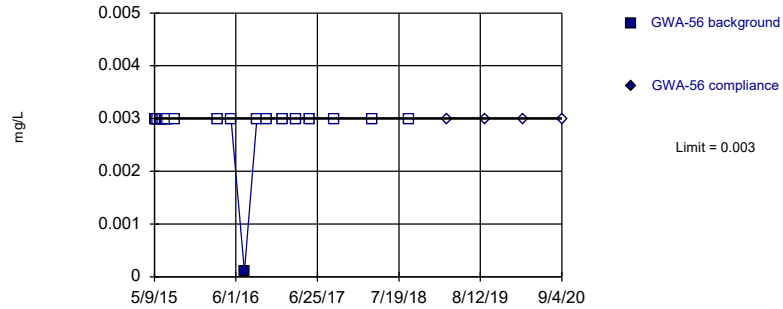


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

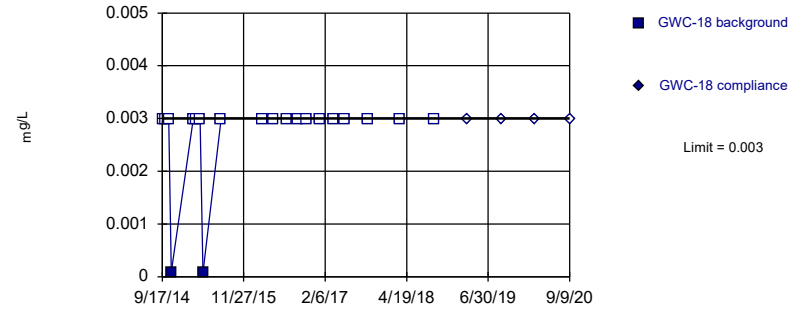


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

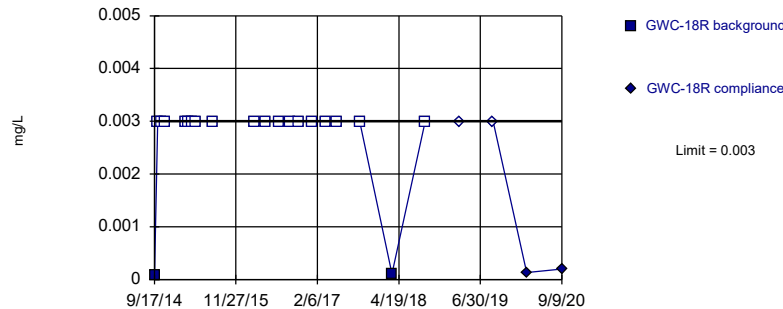


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

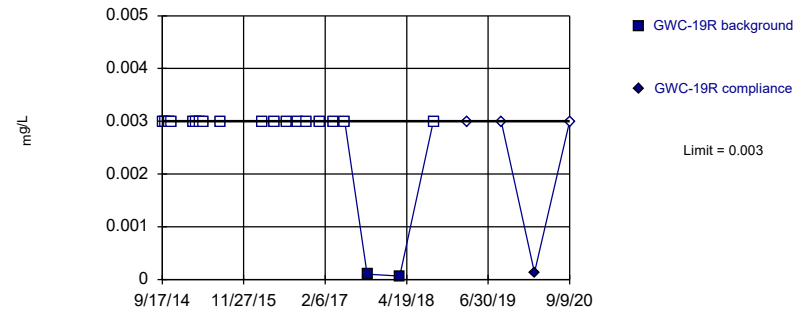


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

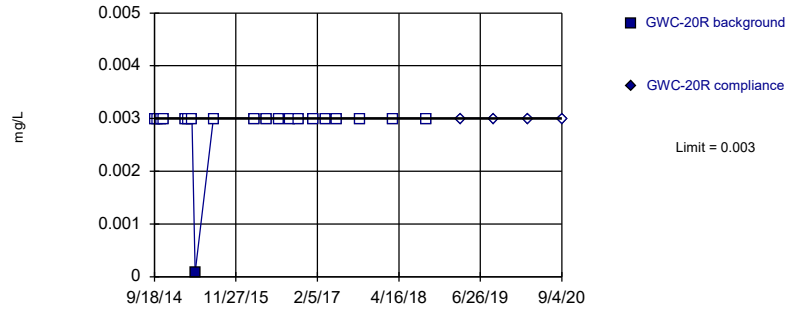


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

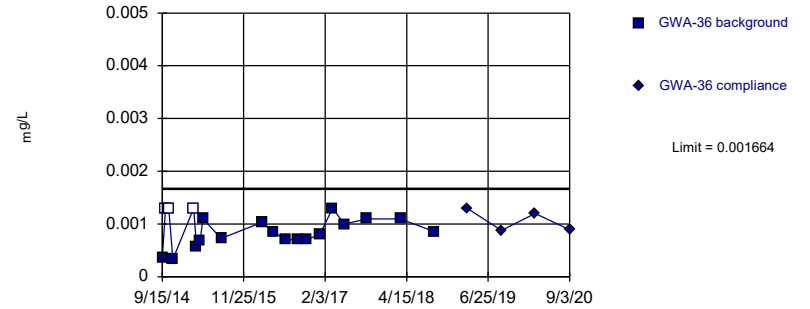


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Beryllium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

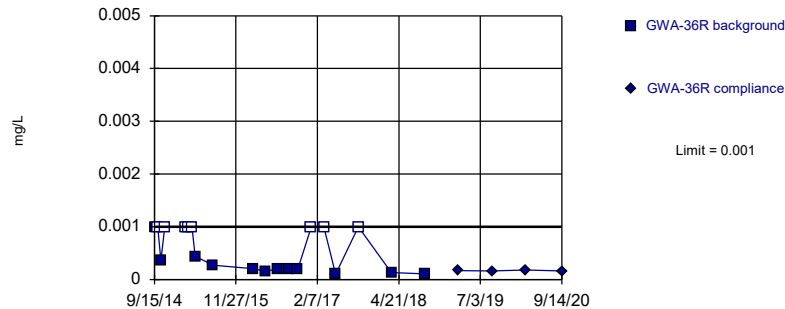


Background Data Summary: Mean=0.0008898, Std. Dev.=0.000302, n=20, 15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

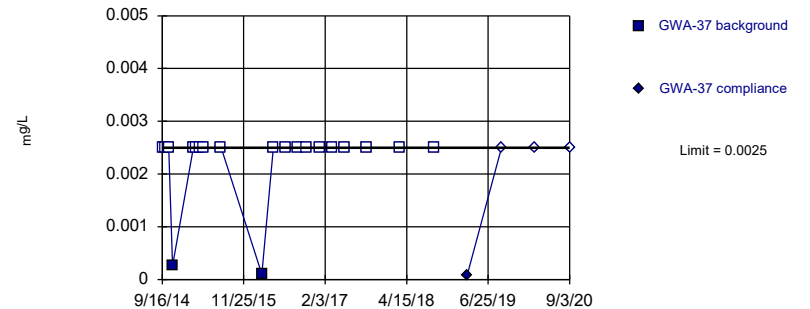


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

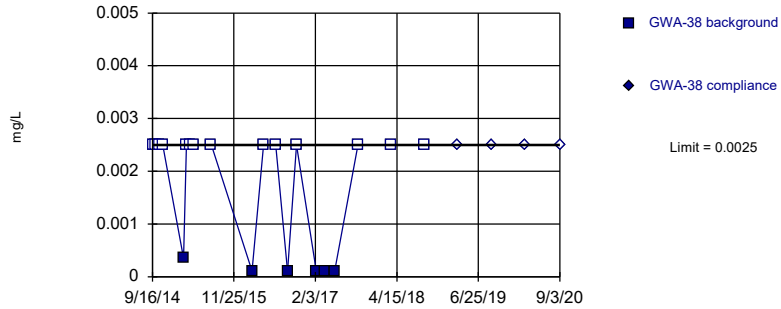


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

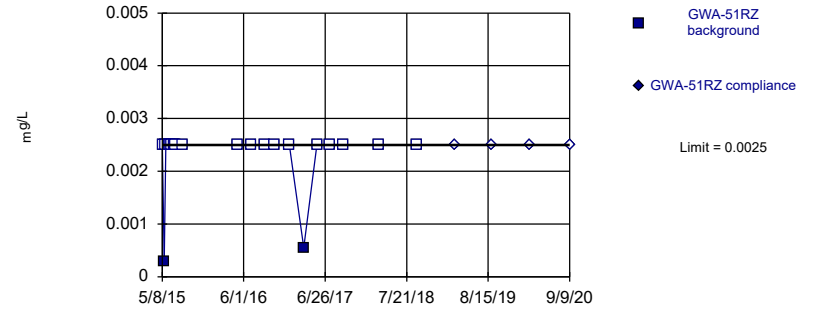


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

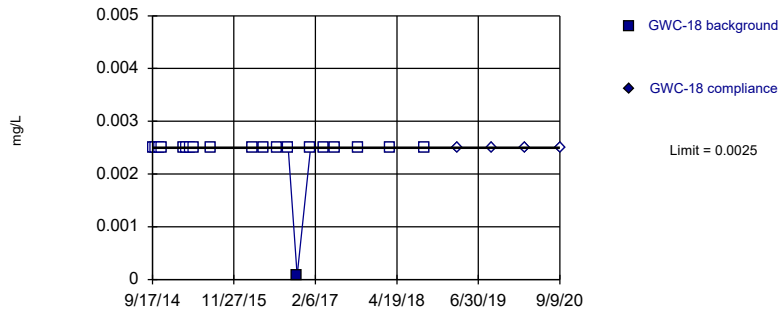


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

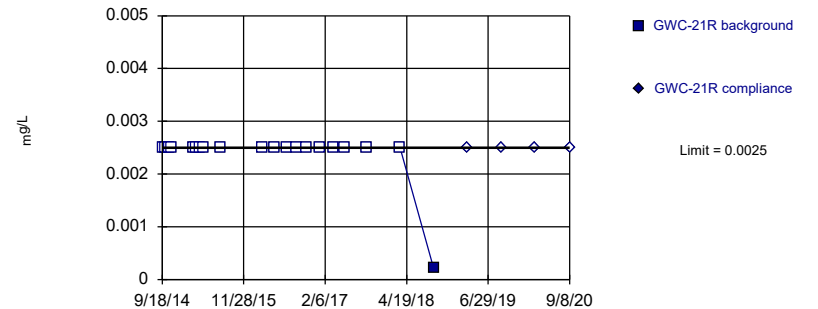


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

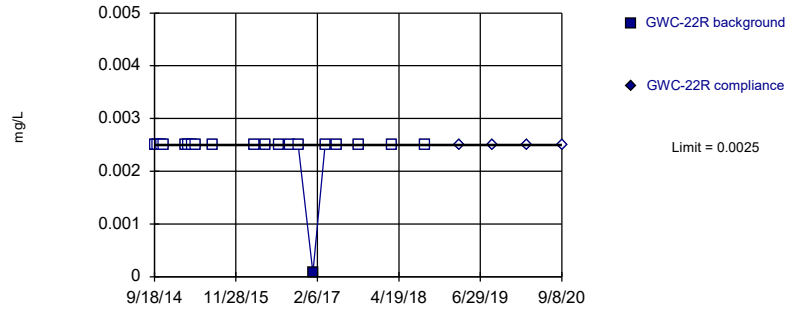


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

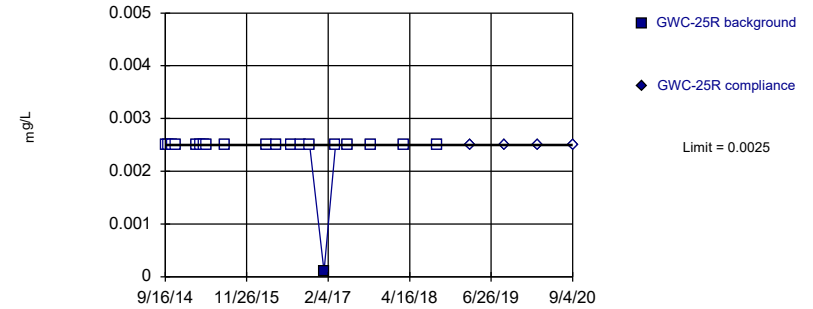


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

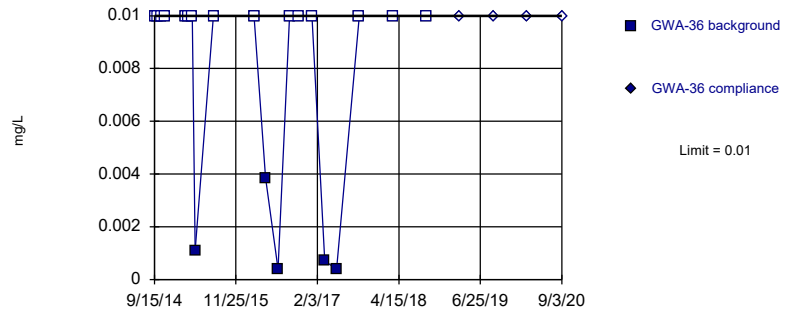


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cadmium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

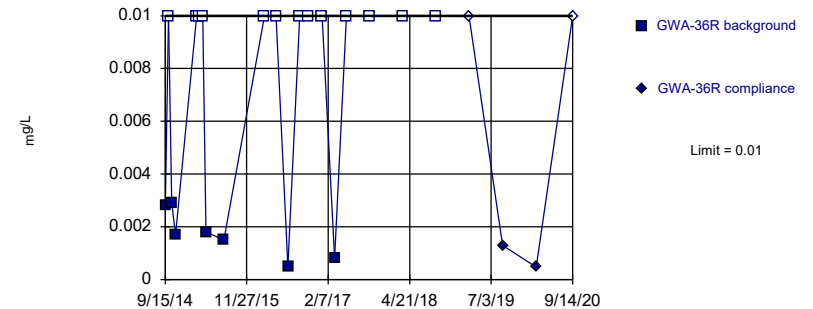


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

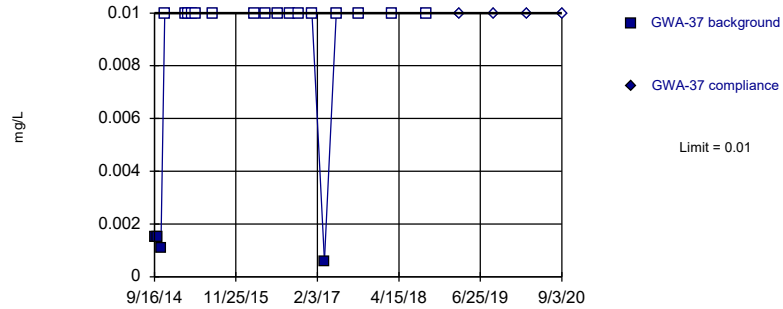


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

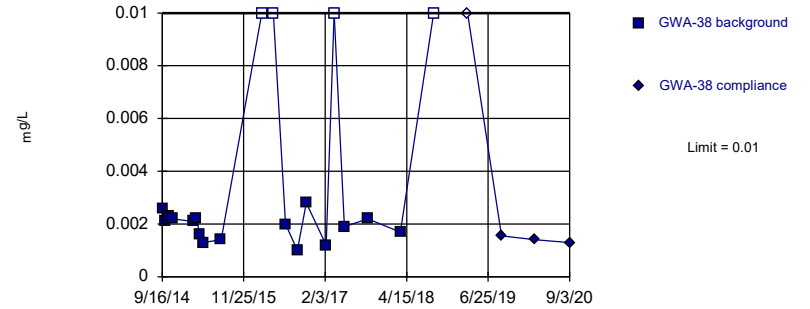


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

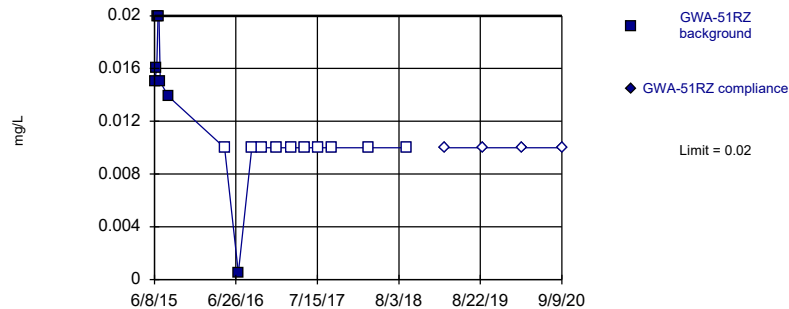


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 20% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

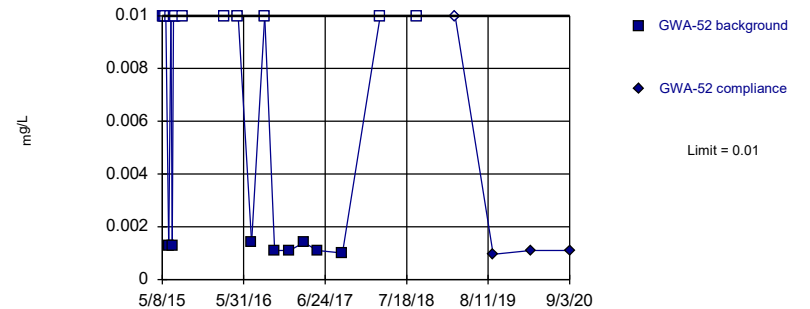


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

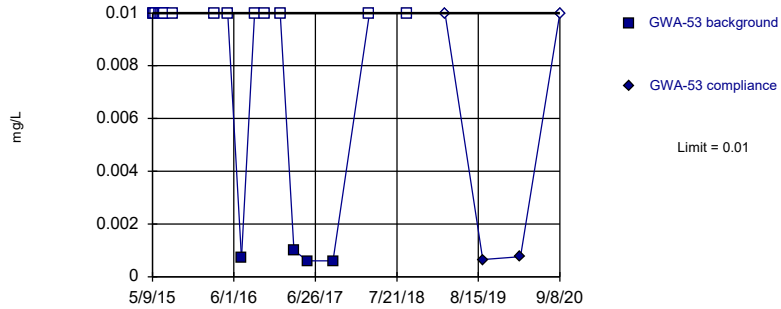


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 60% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

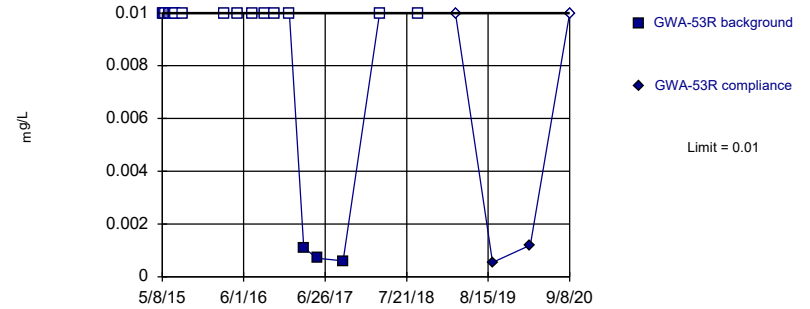


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

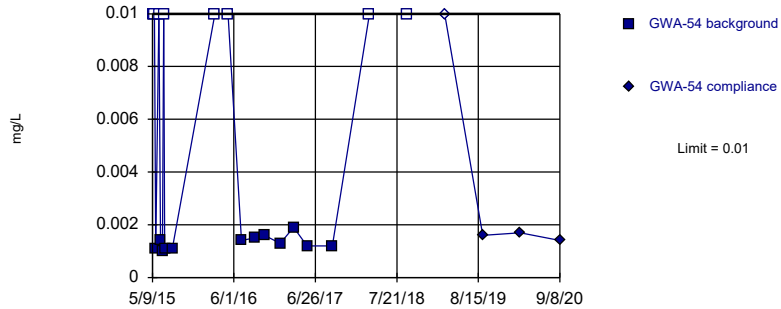


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

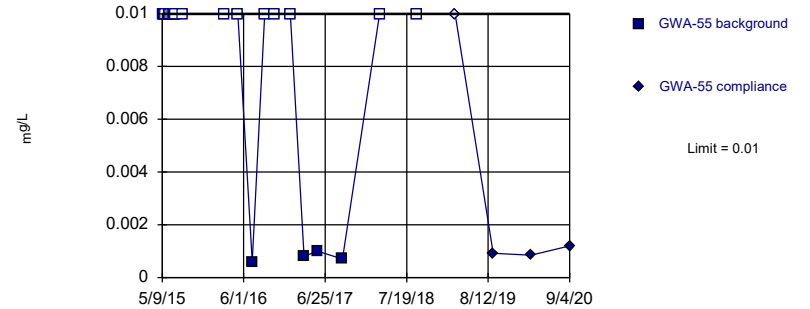


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

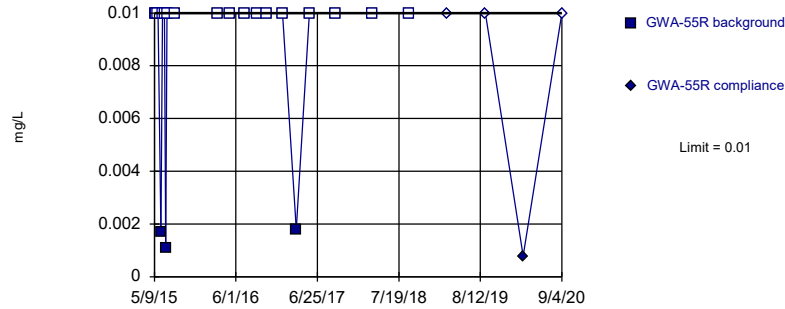


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:30 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

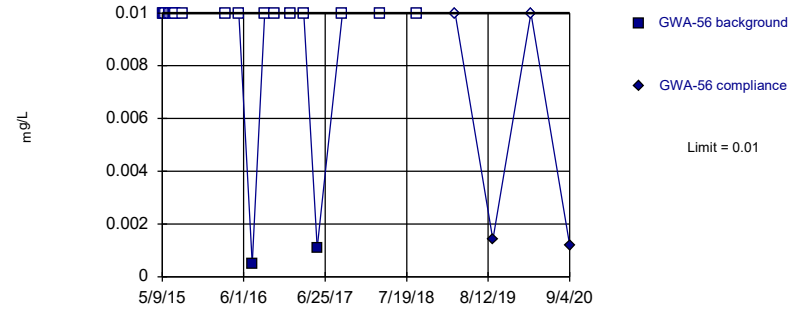


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

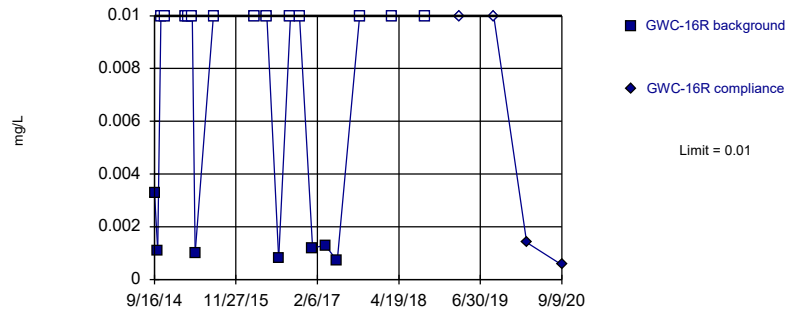


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

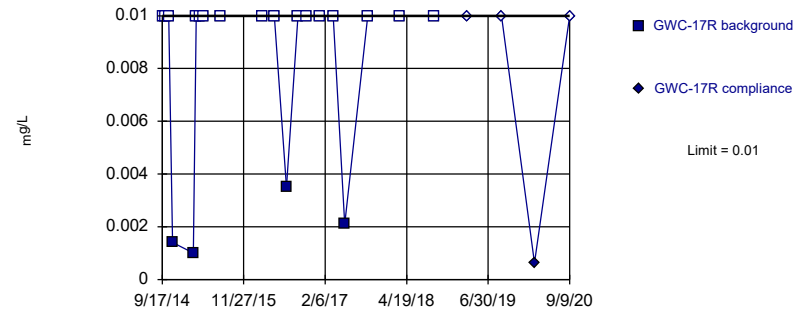


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

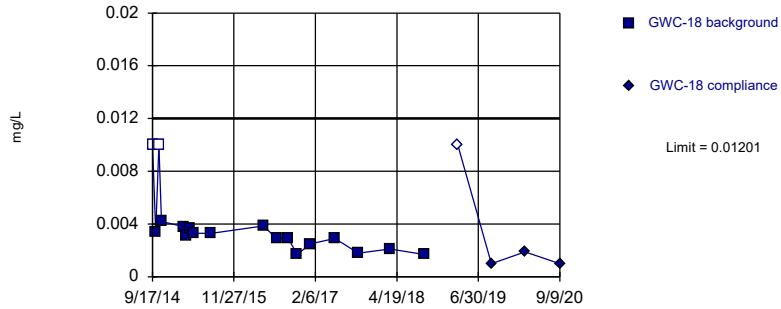


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

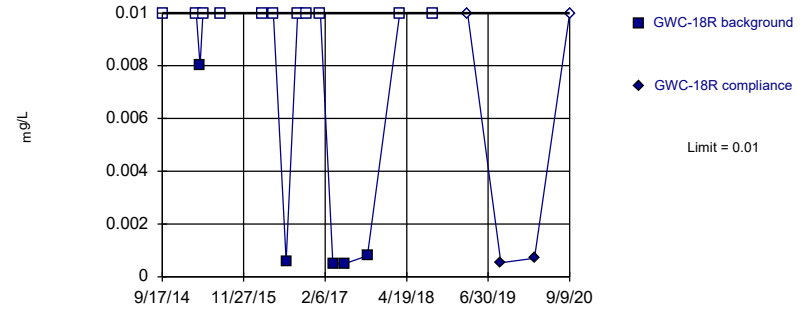


Background Data Summary (based on natural log transformation): Mean=-5.726, Std. Dev.=0.4943, n=18, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8669, critical = 0.858. Kappa = 2.637 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

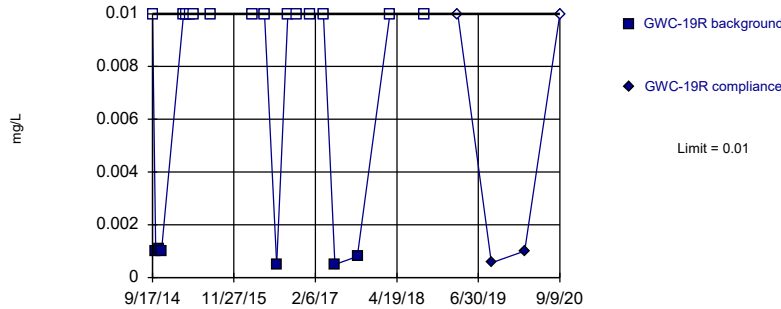


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

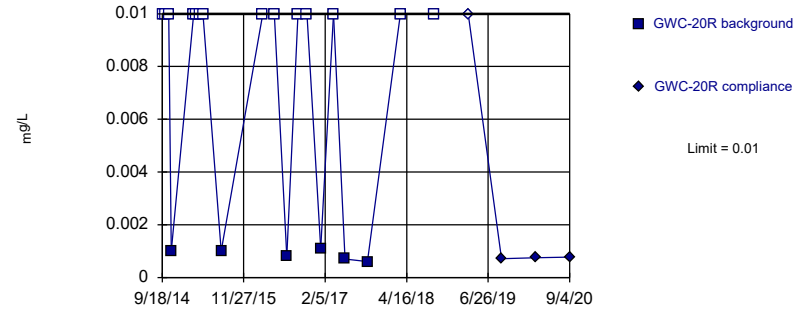


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

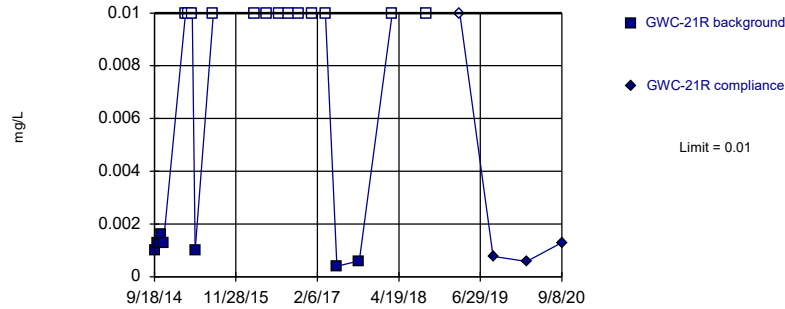


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

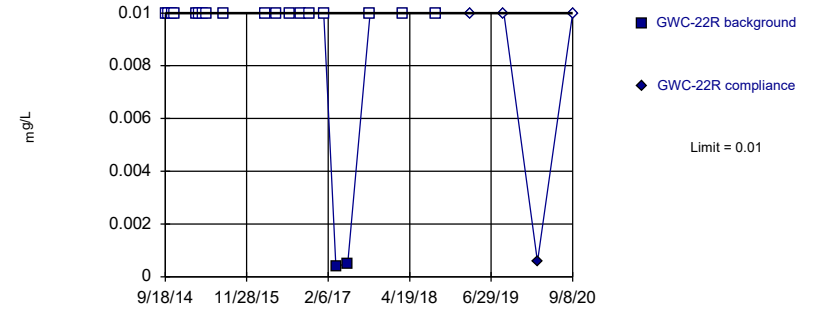


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

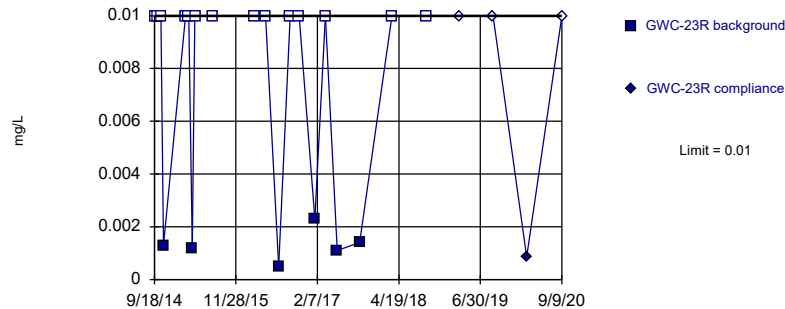


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

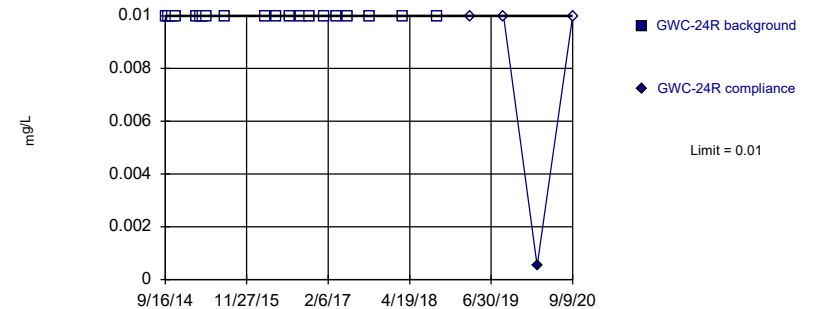


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

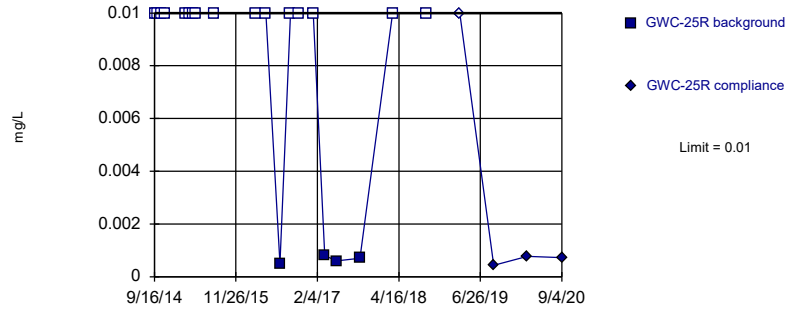


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

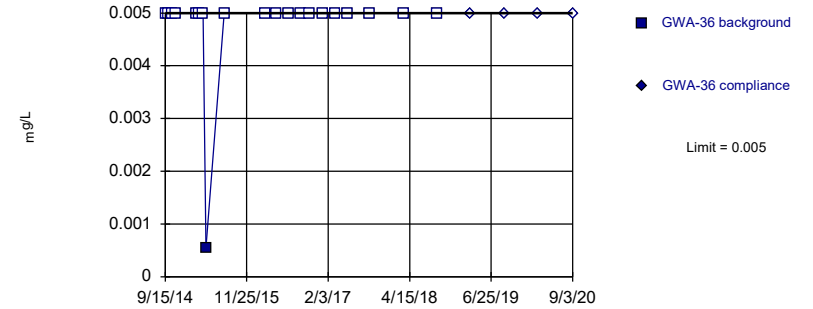


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Chromium Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

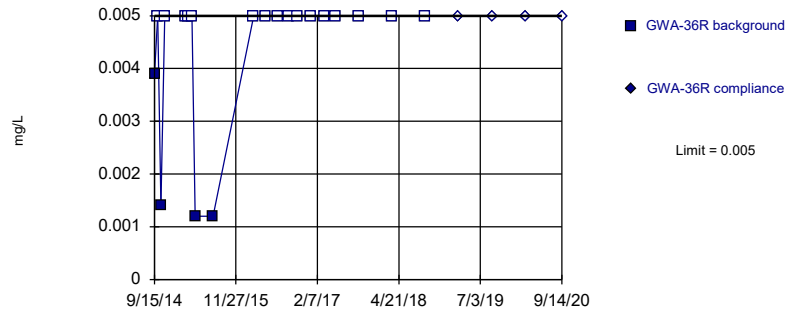


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

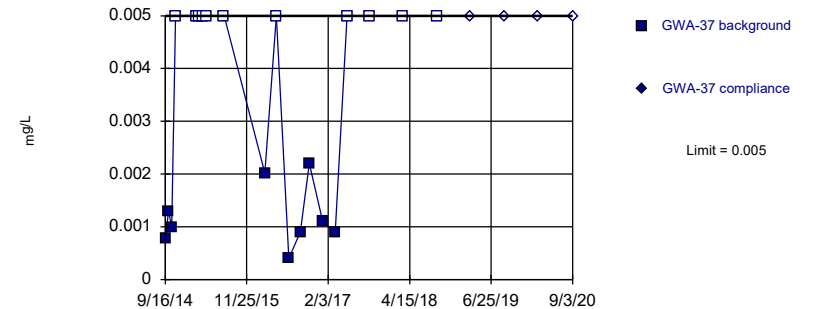


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

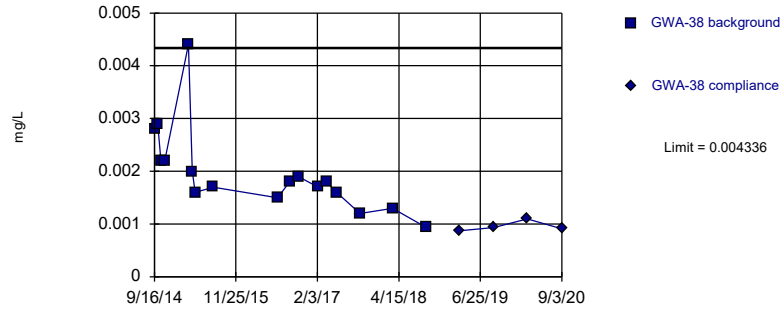


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

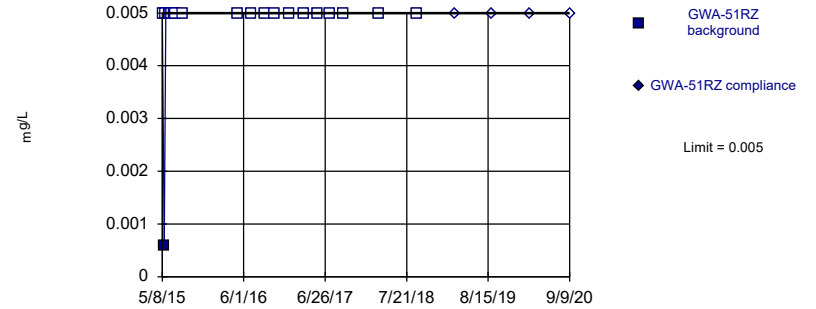


Background Data Summary (based on square root transformation): Mean=0.04368, Std. Dev.=0.008291, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9141, critical = 0.851. Kappa = 2.673 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

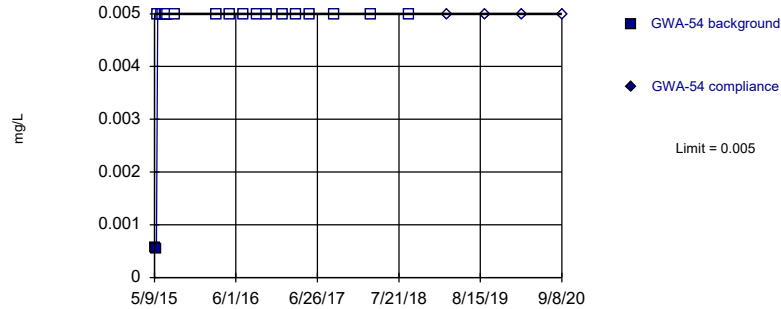


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

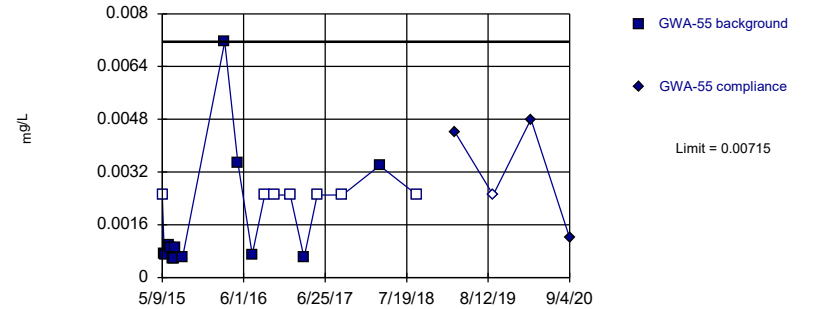


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

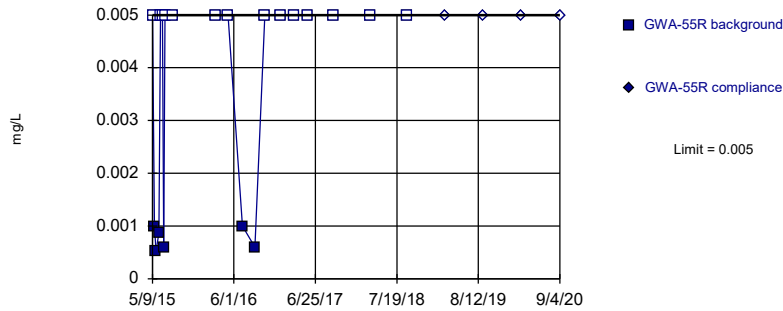


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

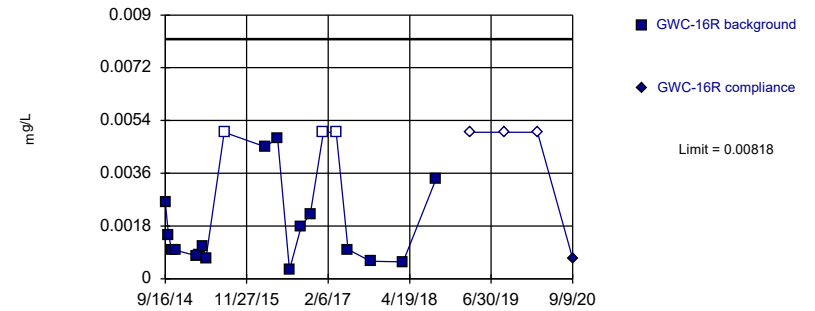


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

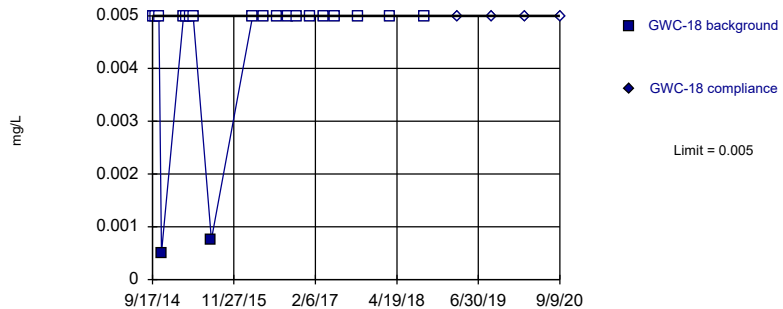


Background Data Summary (based on square root transformation): Mean=0.0431, Std. Dev.=0.01846, n=20, 15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8744, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

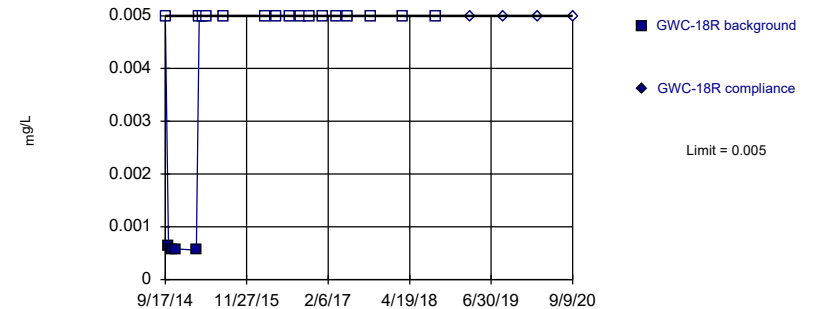


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

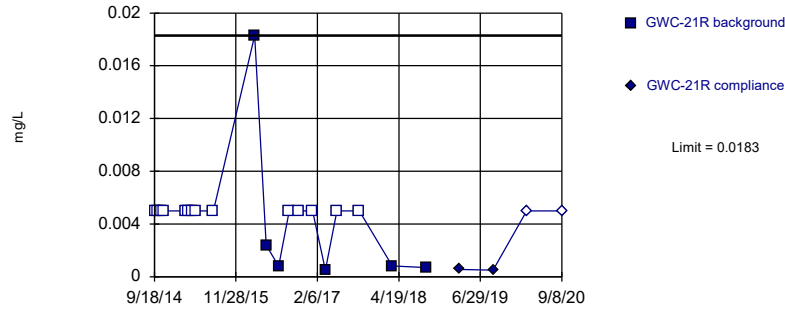


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

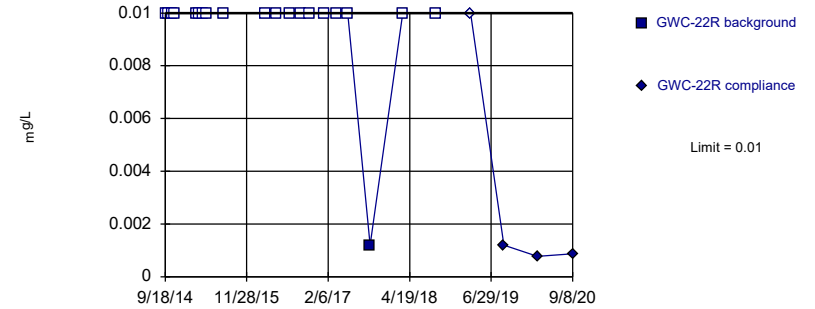


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

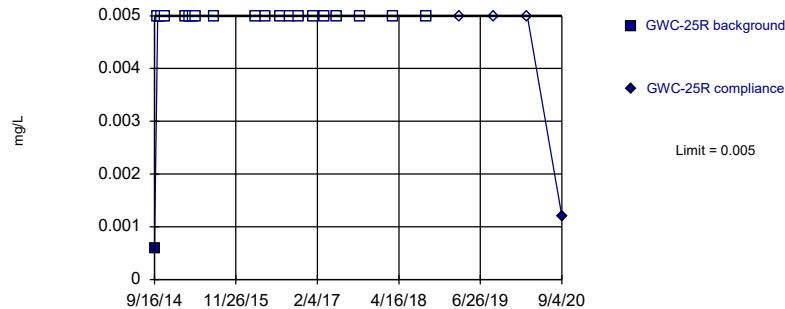


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

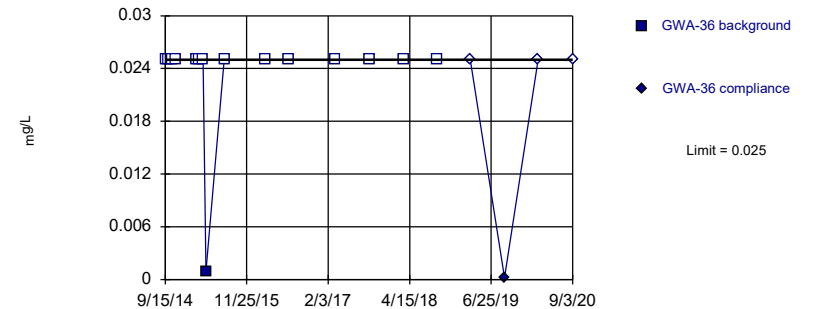


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Cobalt Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

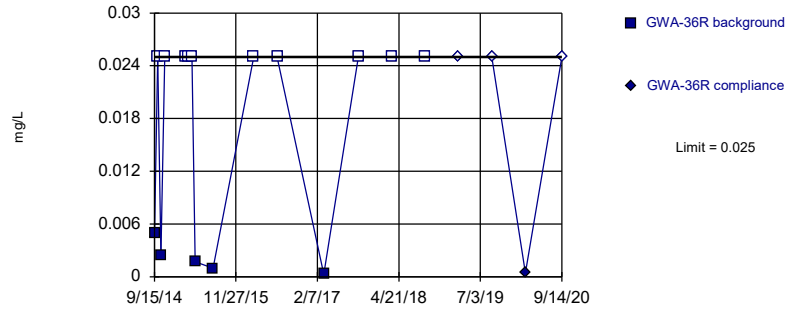


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

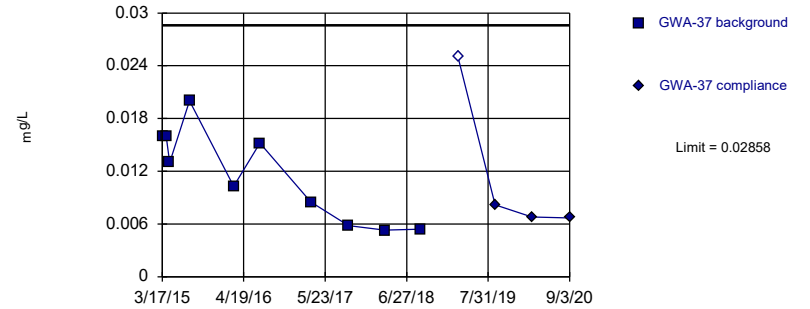


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

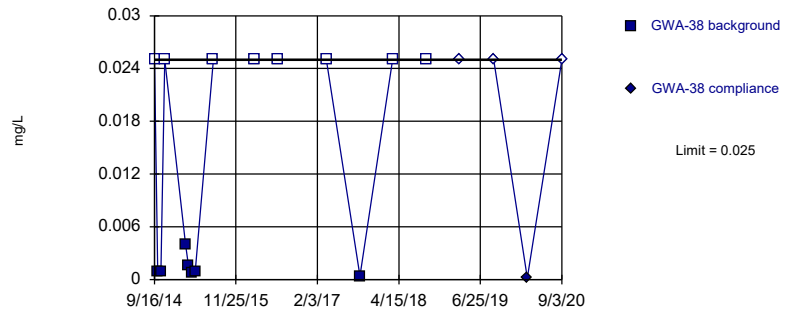


Background Data Summary: Mean=0.01155, Std. Dev.=0.005241, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9145, critical = 0.781. Kappa = 3.25 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

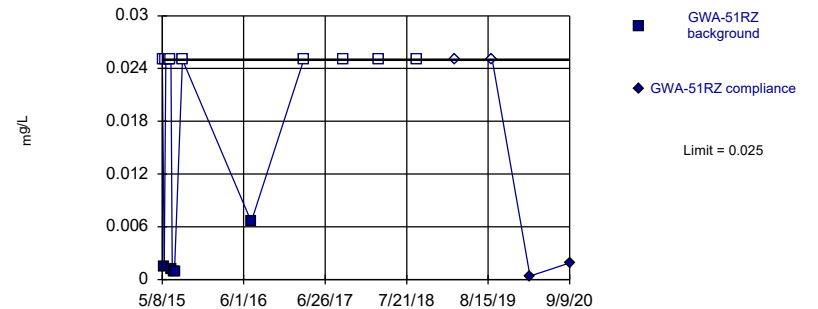


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

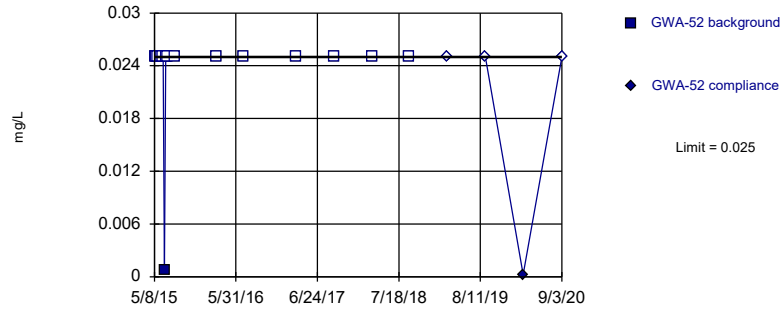


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

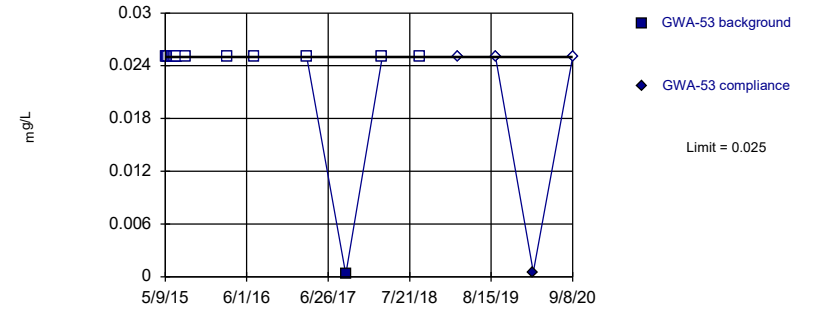


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

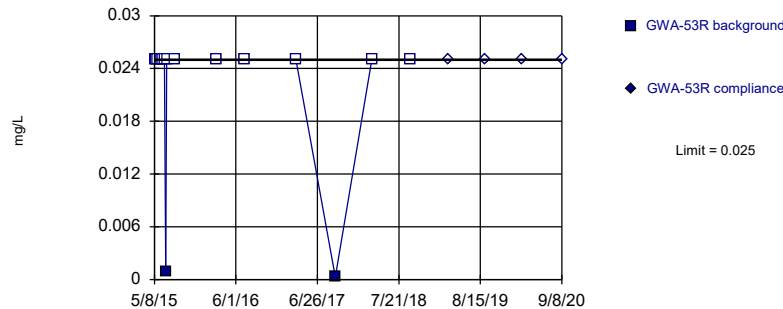


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

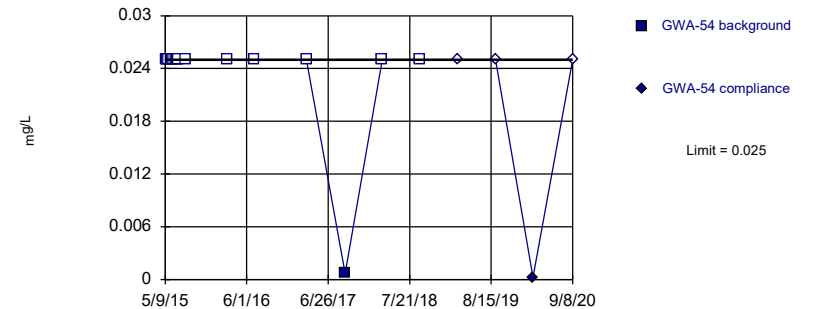


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

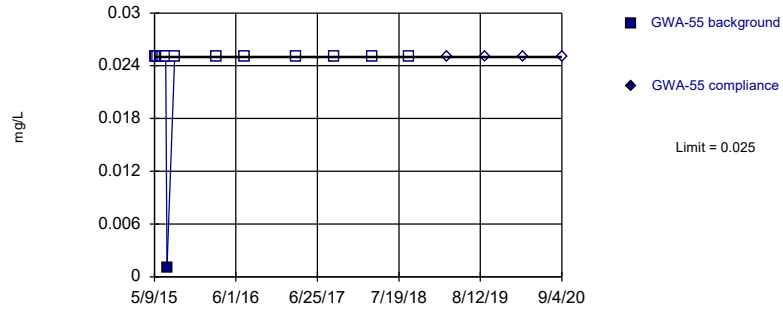


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

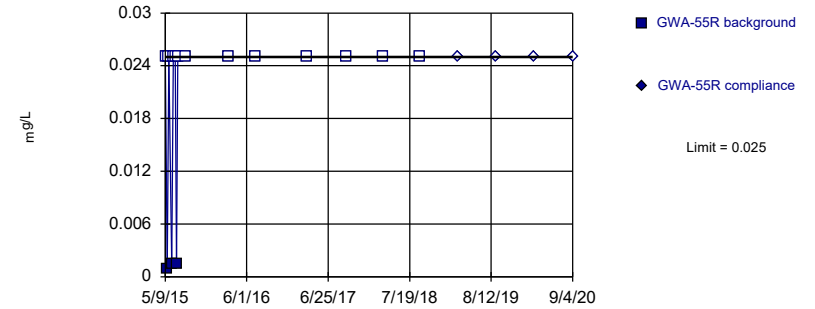


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

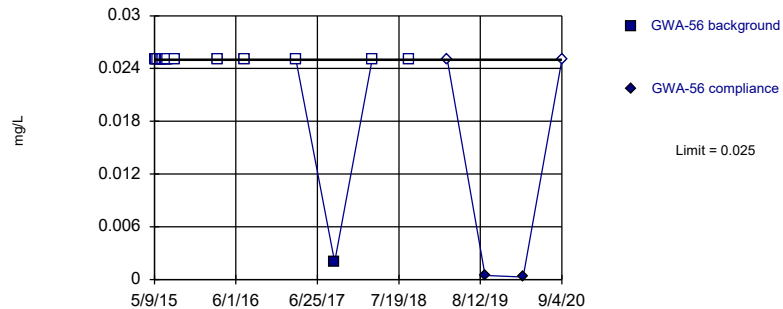


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

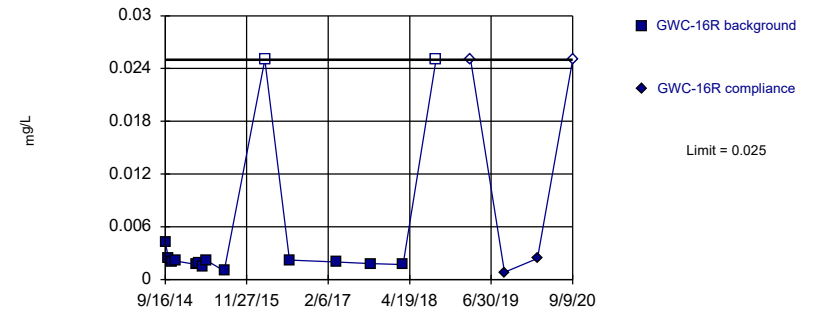


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

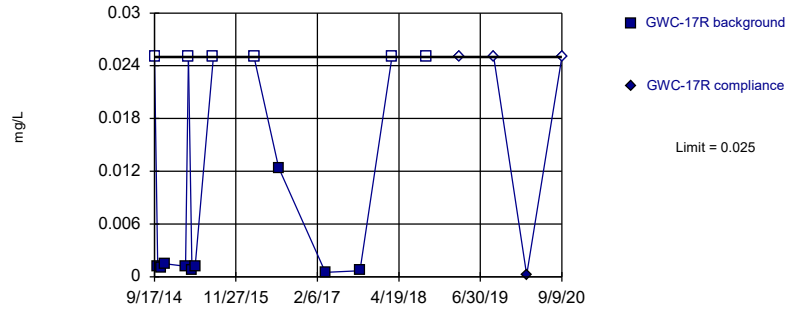


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 13.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

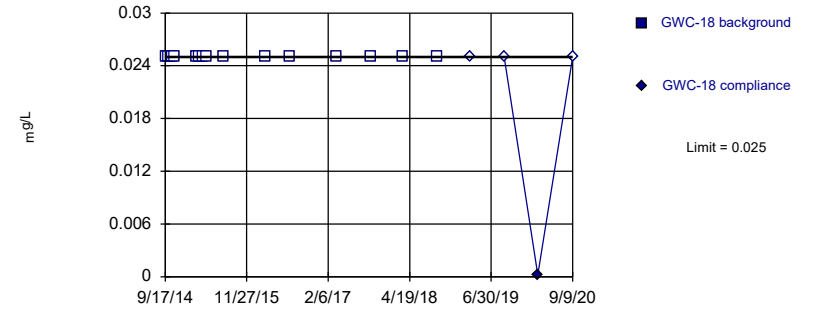


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

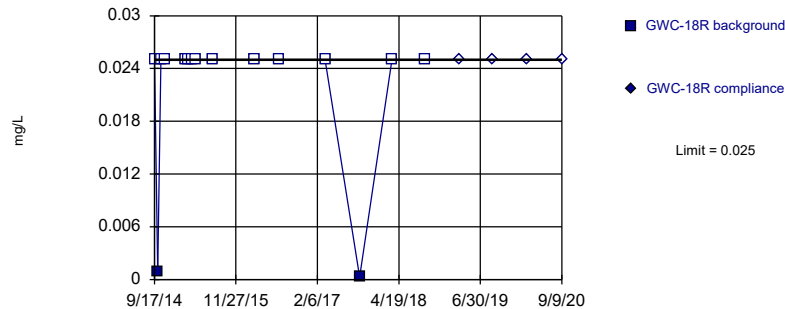


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

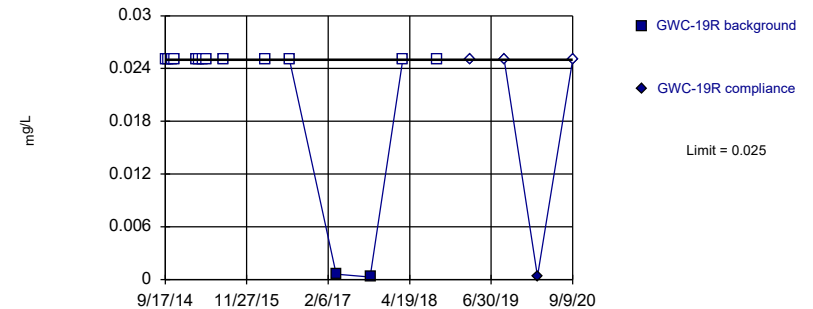


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

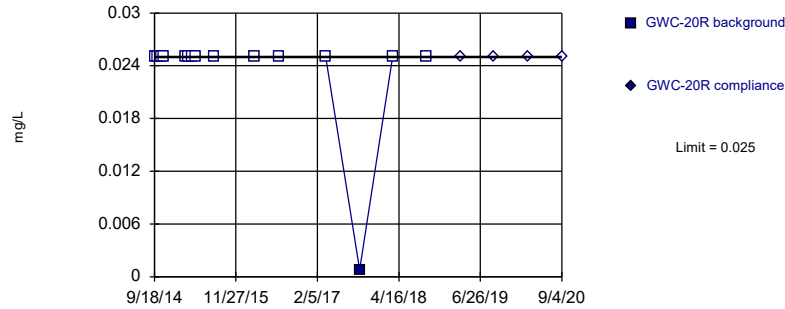


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

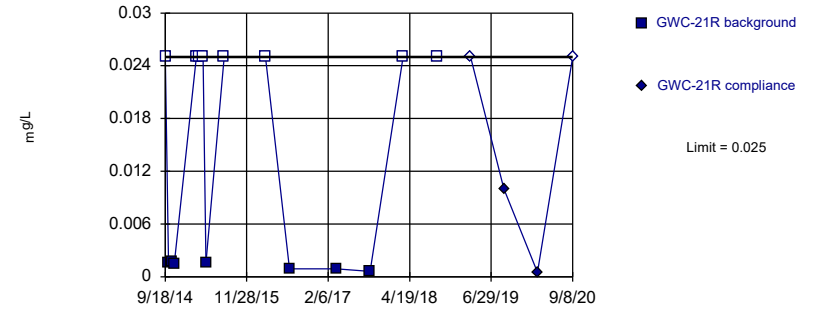


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

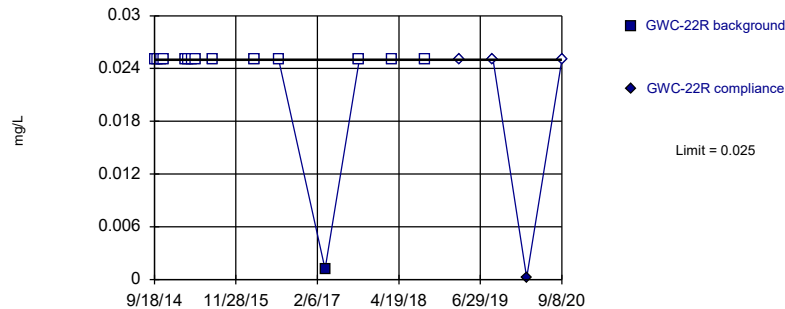


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

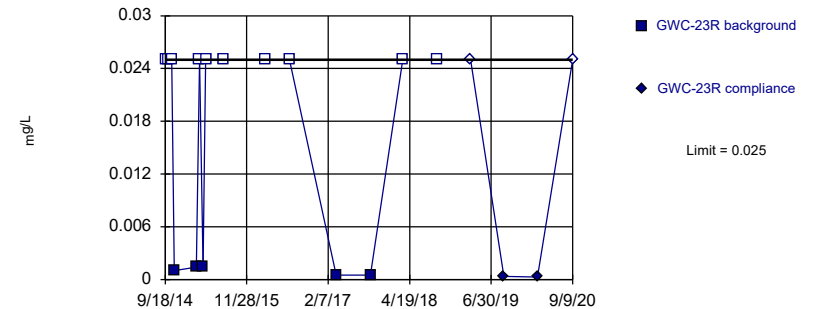


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

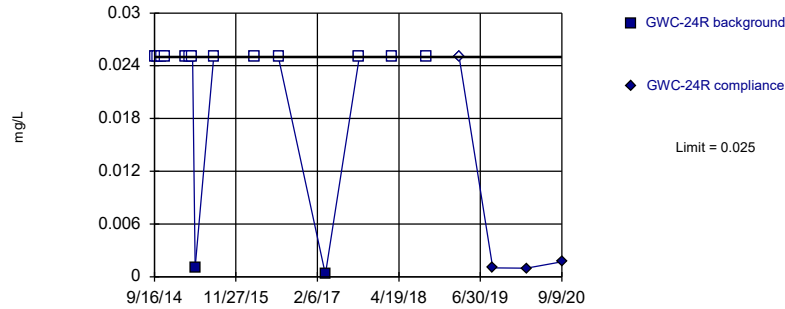


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

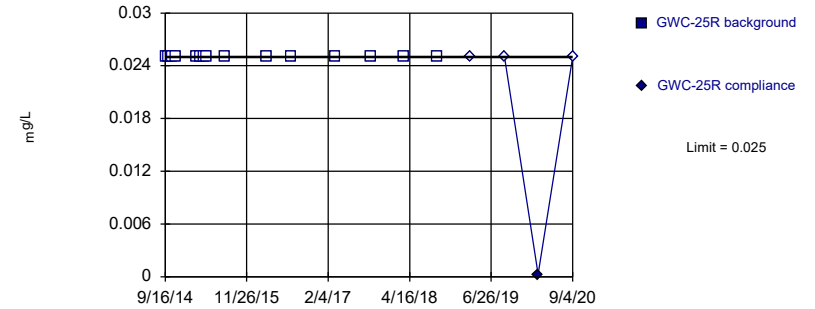


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

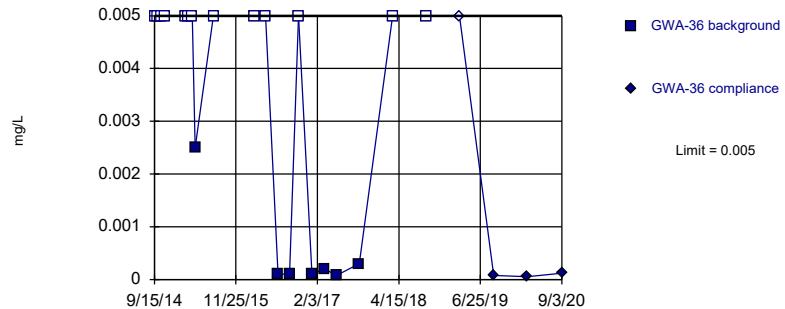


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Copper Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

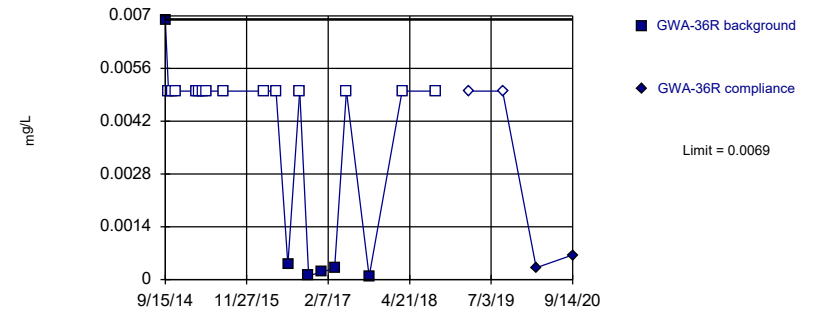


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

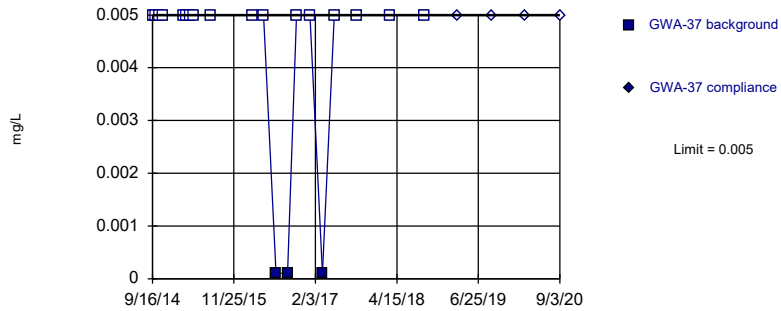


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

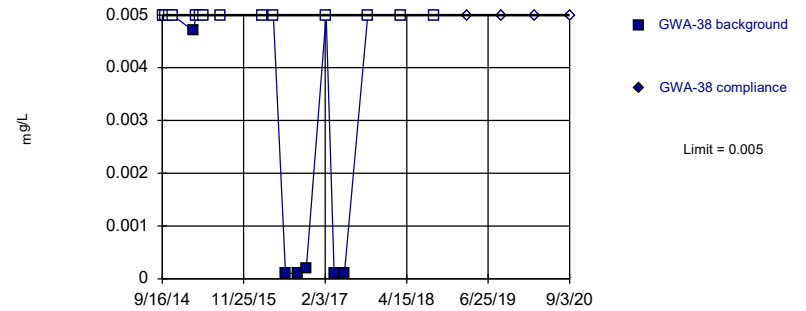


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

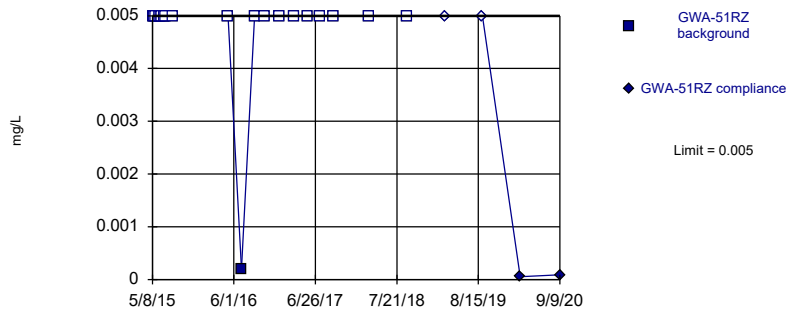


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

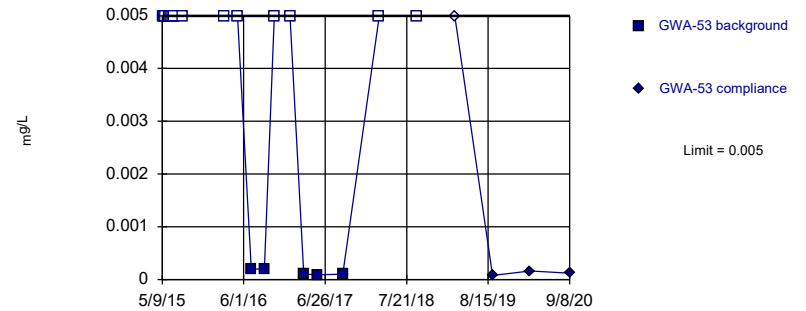


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

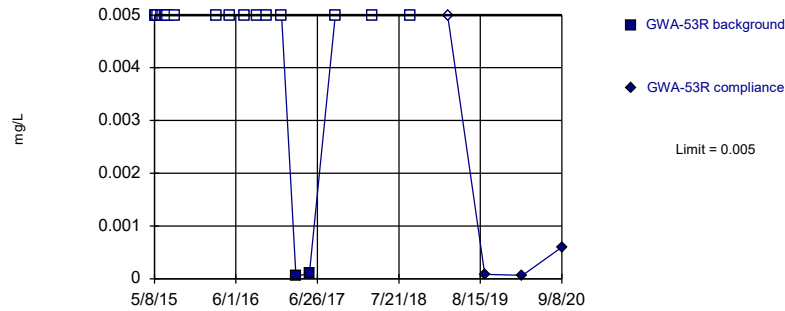


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

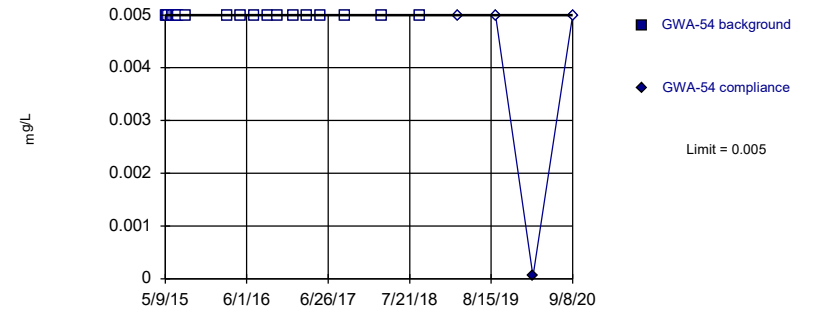


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

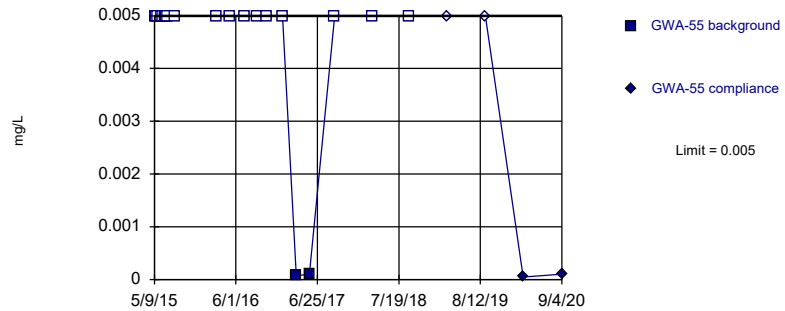


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

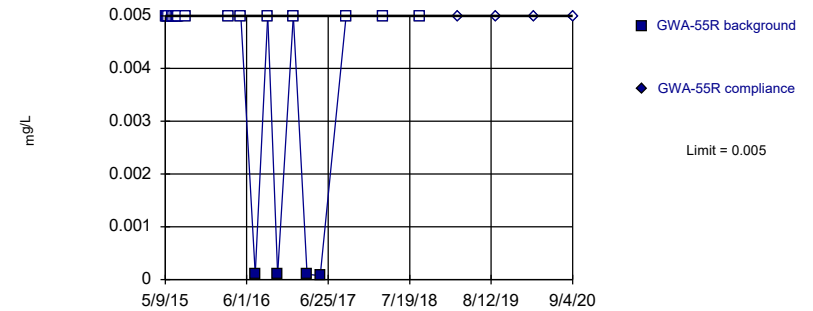


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

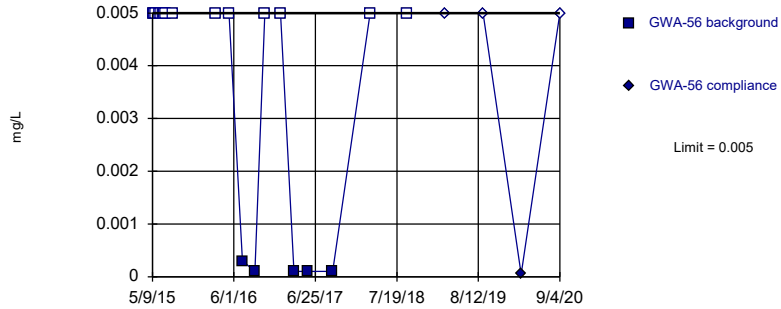


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

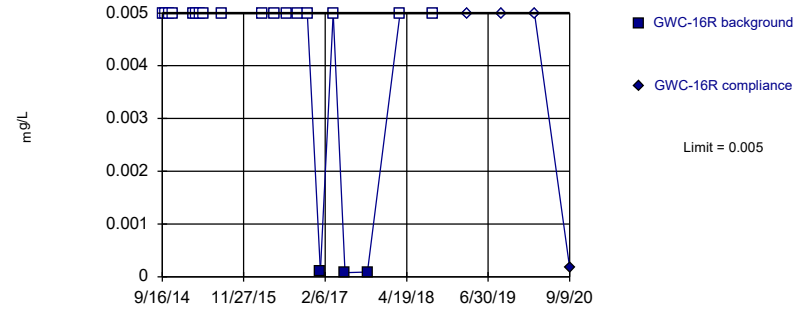


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

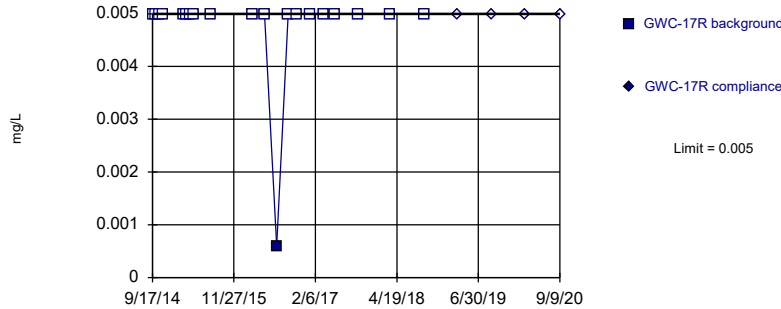


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

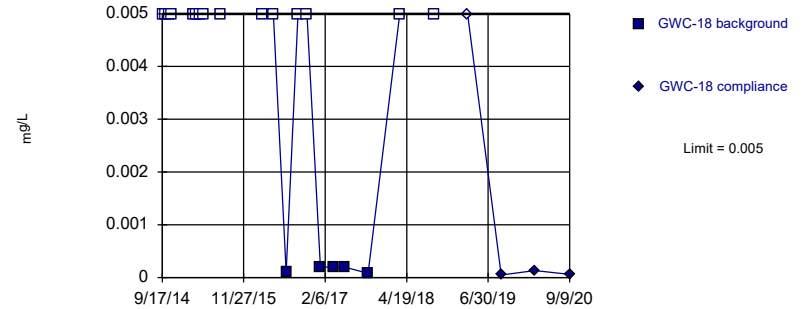


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

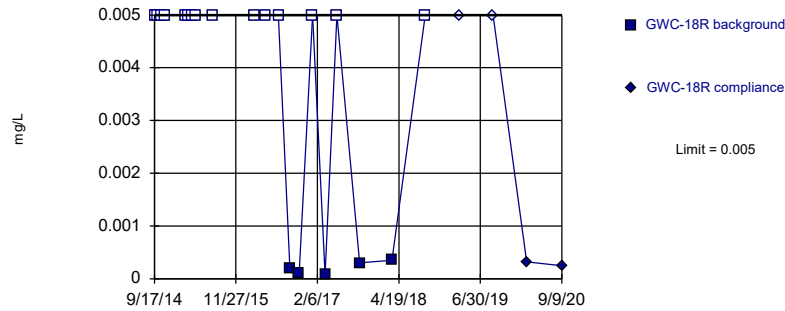


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

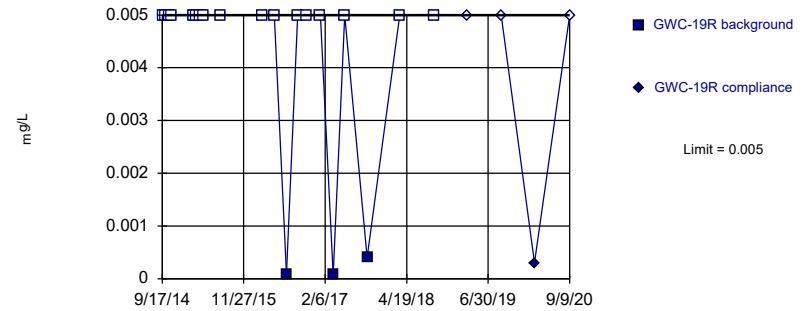


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

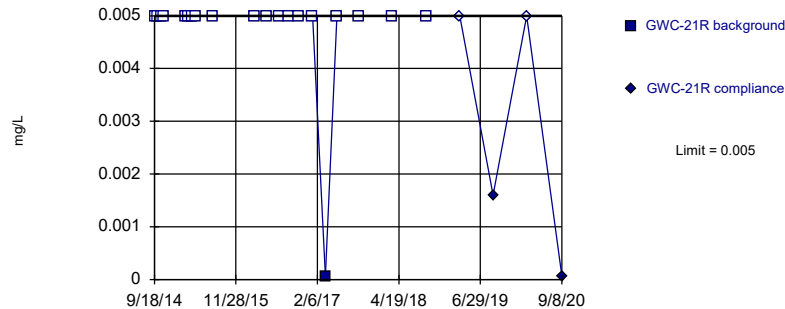


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

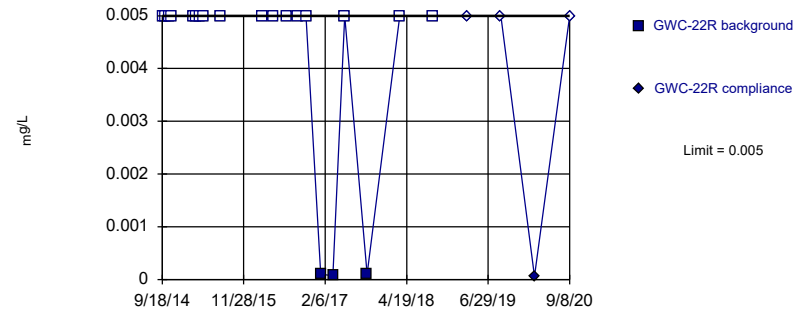


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

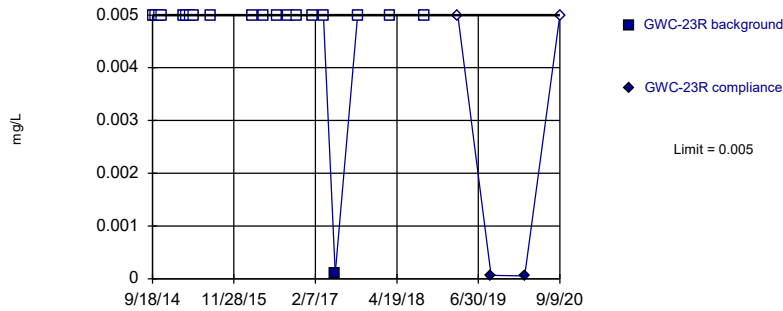


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

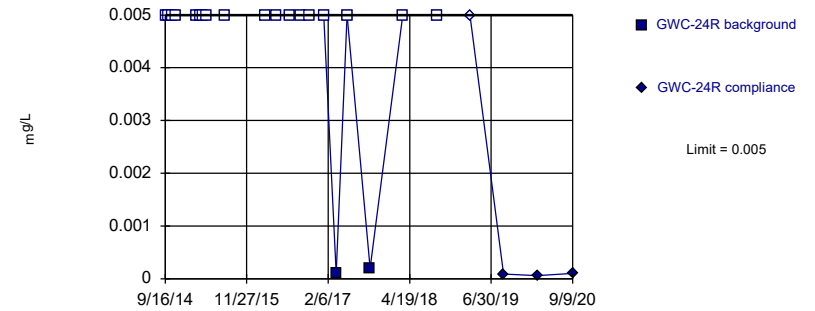


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

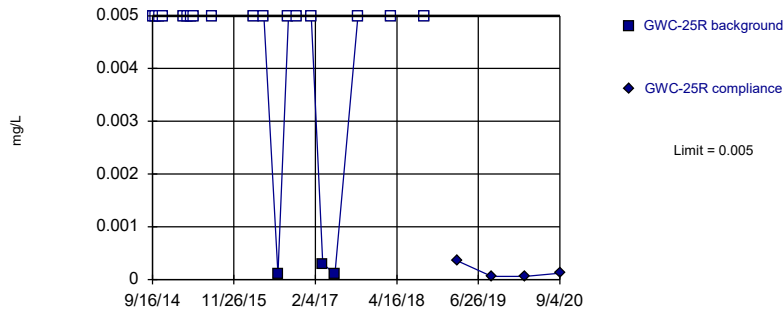


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

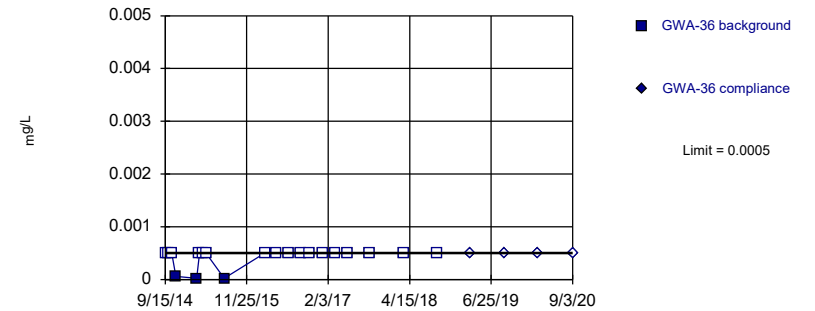


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

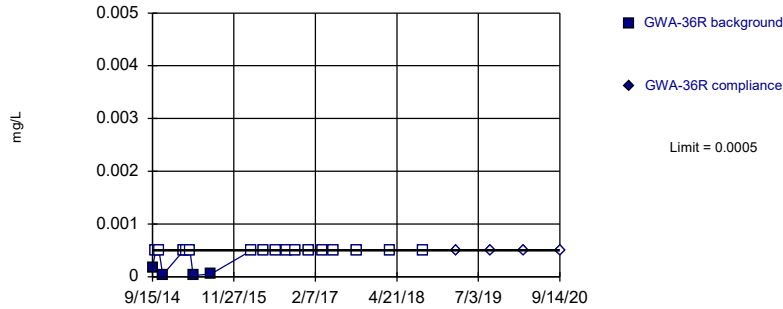


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

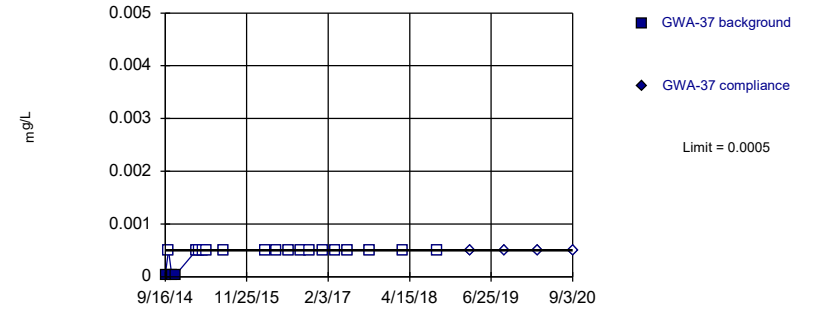


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

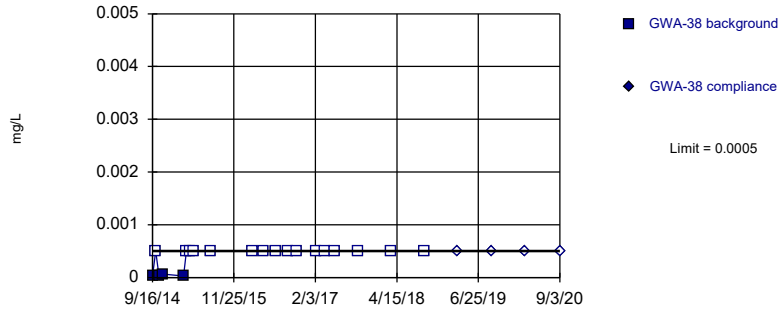


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

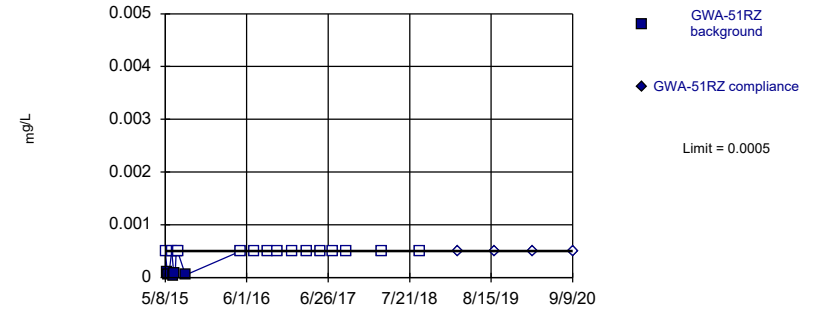


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:31 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

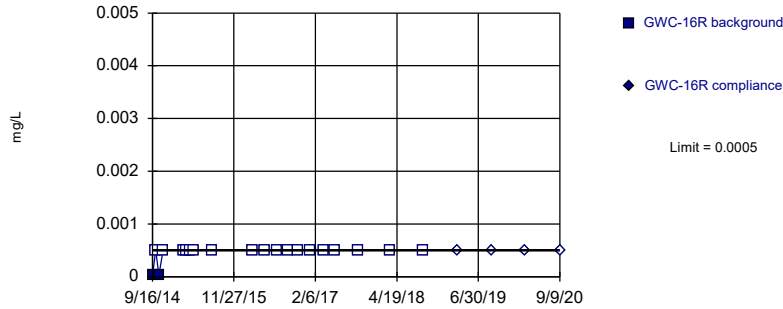


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

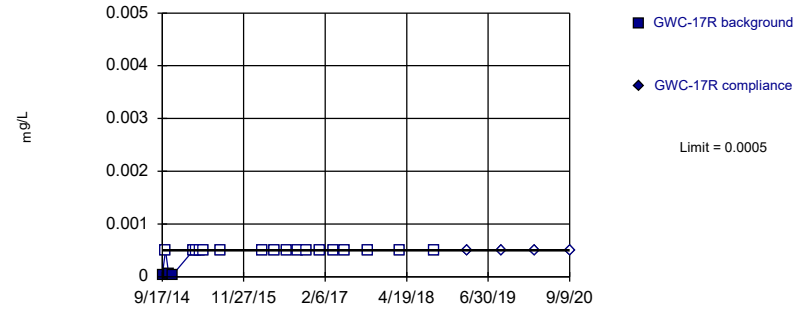


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

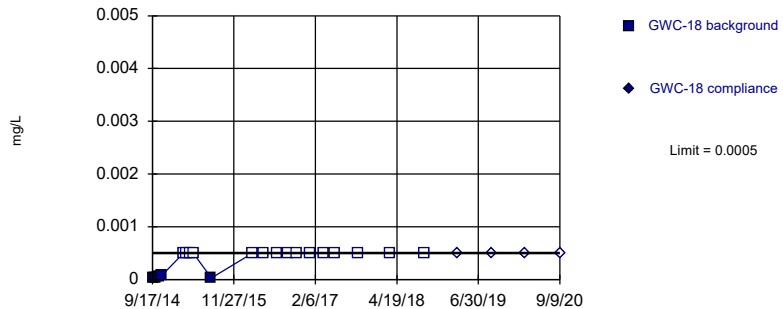


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

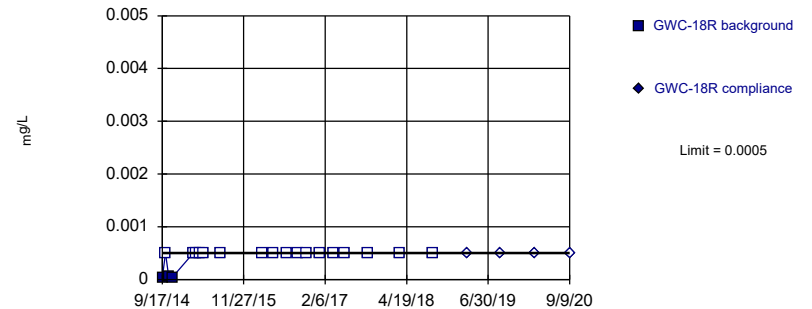


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

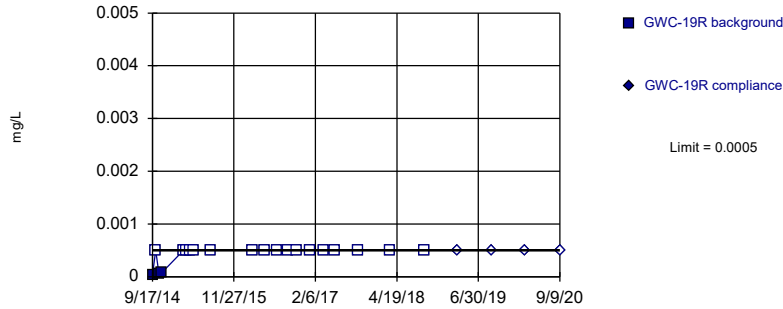


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

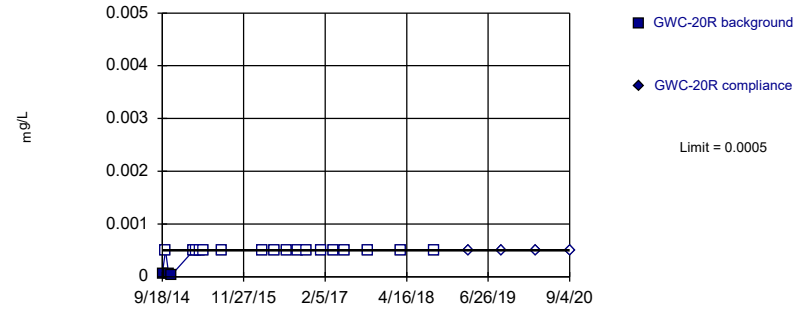


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

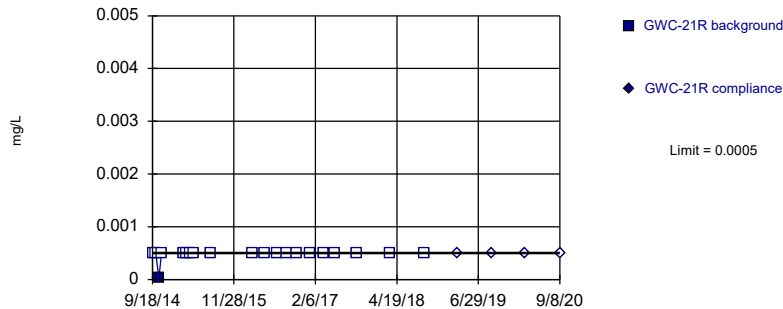


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

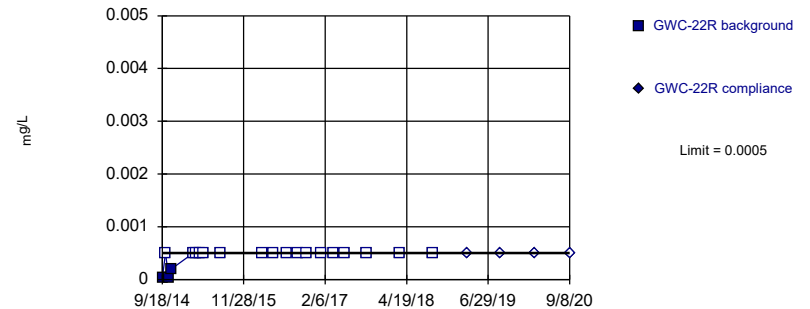


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

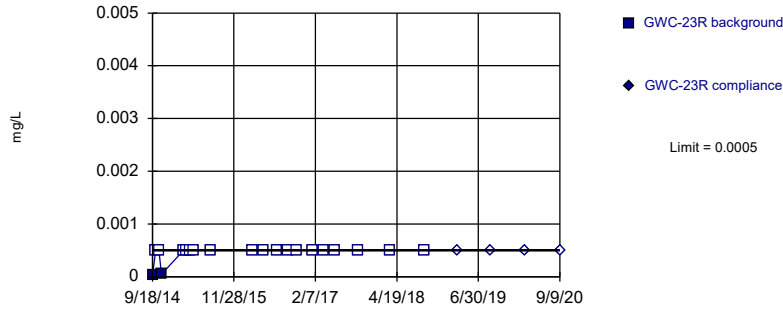


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

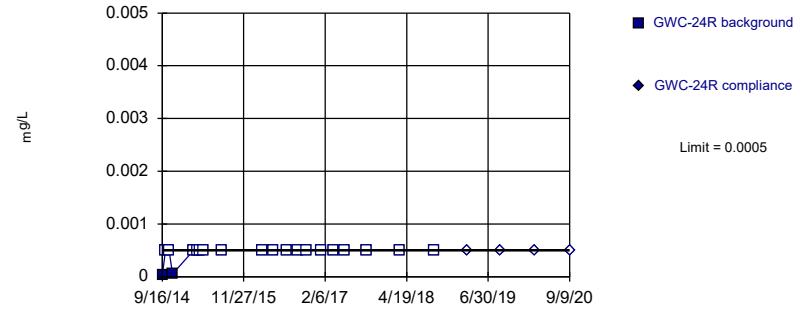


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

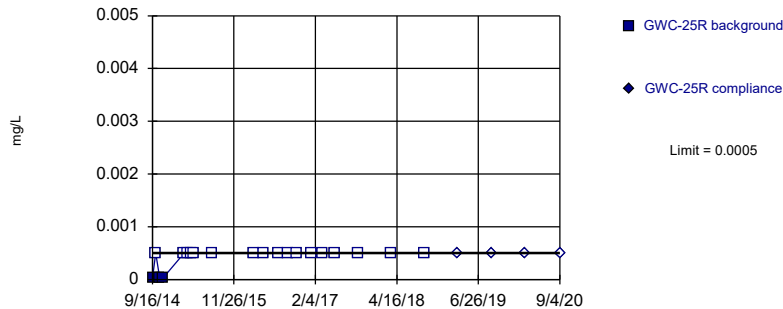


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

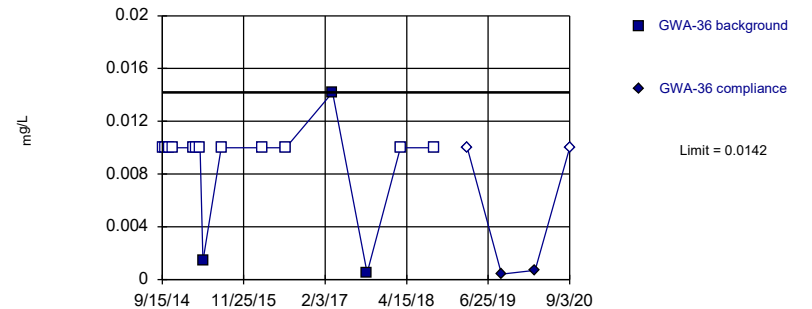


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Mercury Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

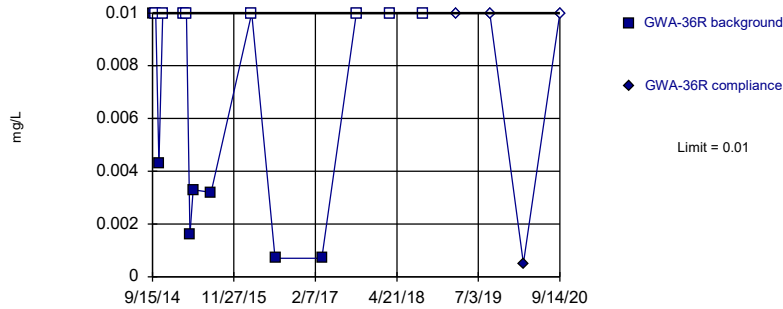


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

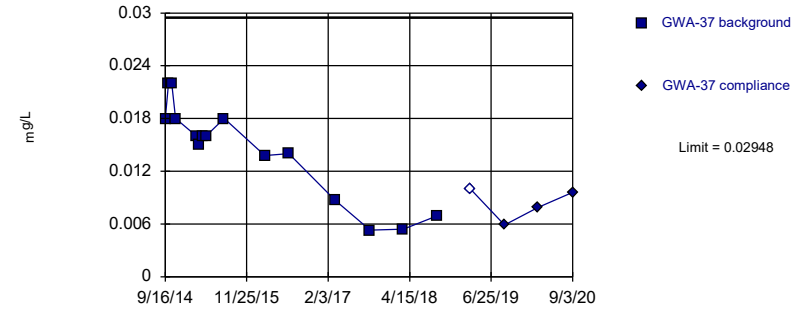


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

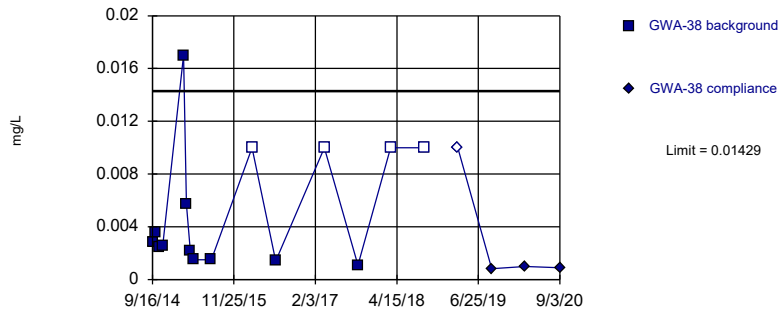


Background Data Summary: Mean=0.01434, Std. Dev.=0.005448, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9052, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

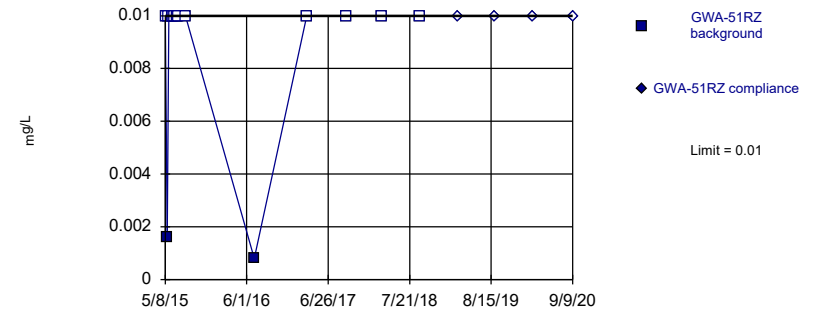


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05358, Std. Dev.=0.02374, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8698, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

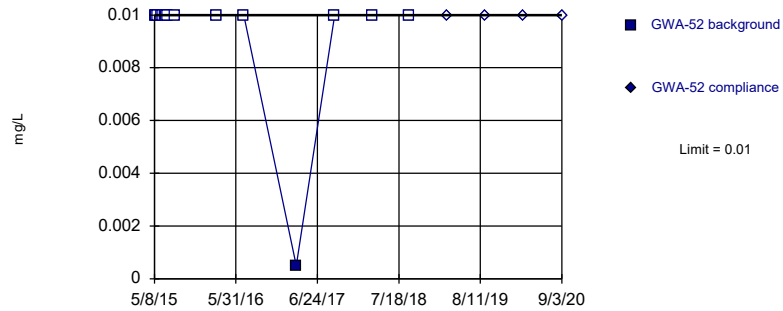


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

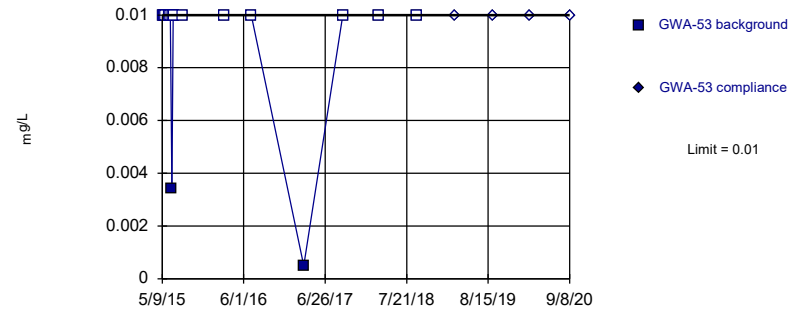


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

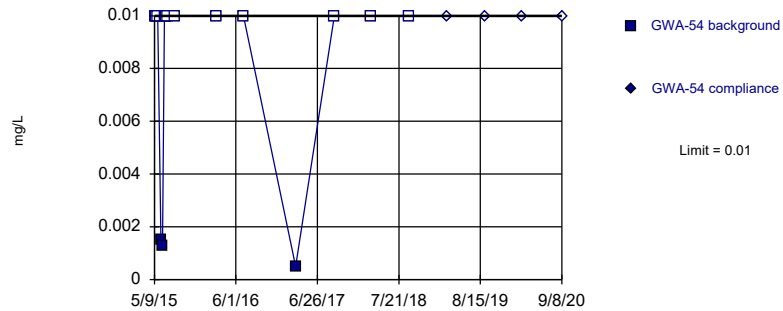


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

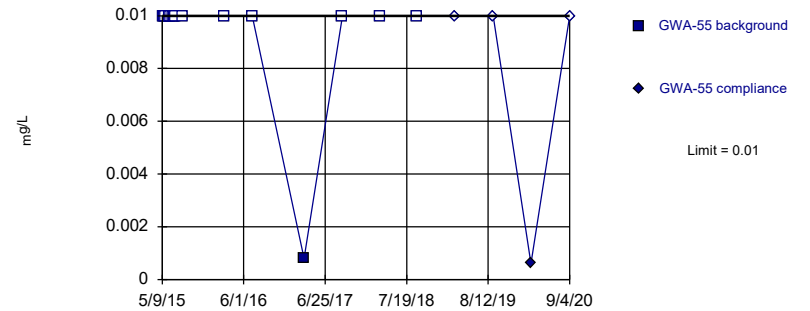


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

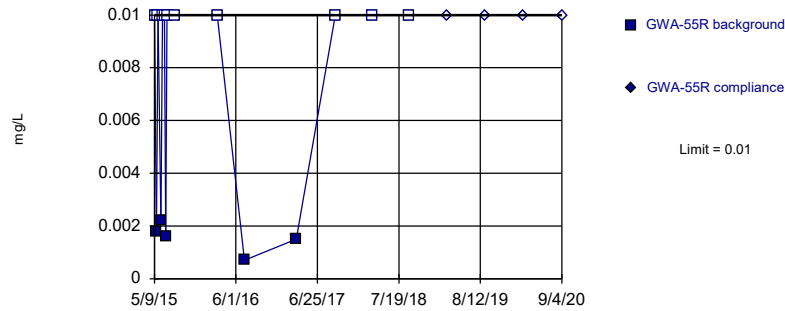


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

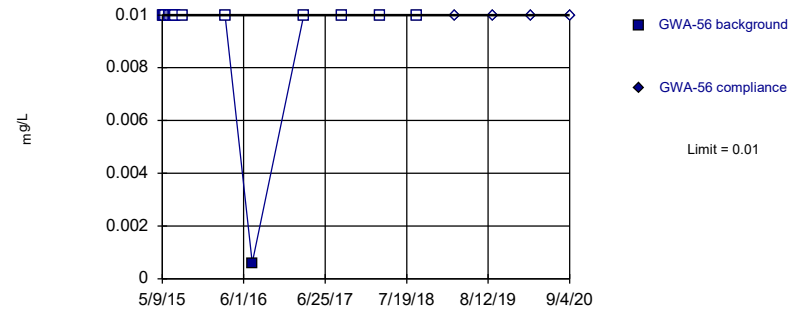


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

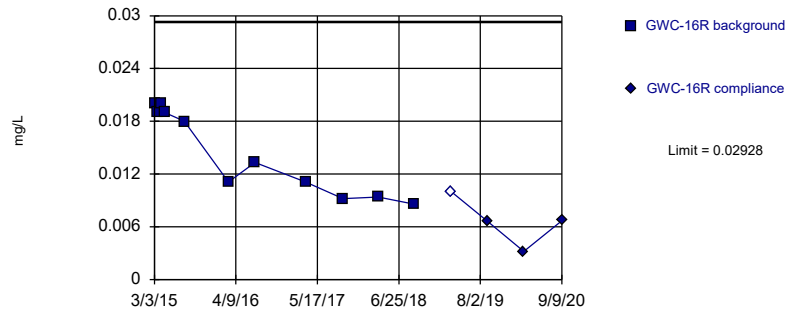


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

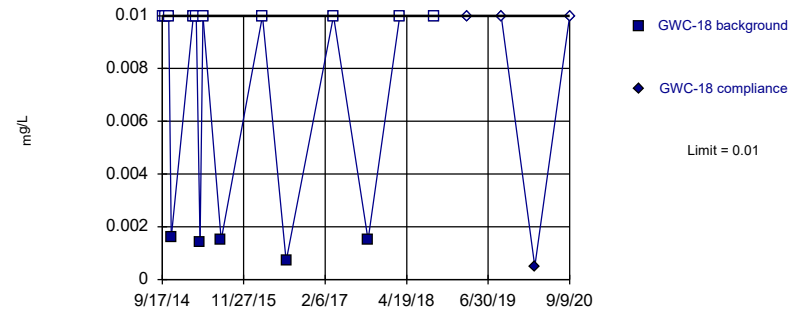


Background Data Summary: Mean=0.01443, Std. Dev.=0.004761, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8333, critical = 0.792. Kappa = 3.12 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

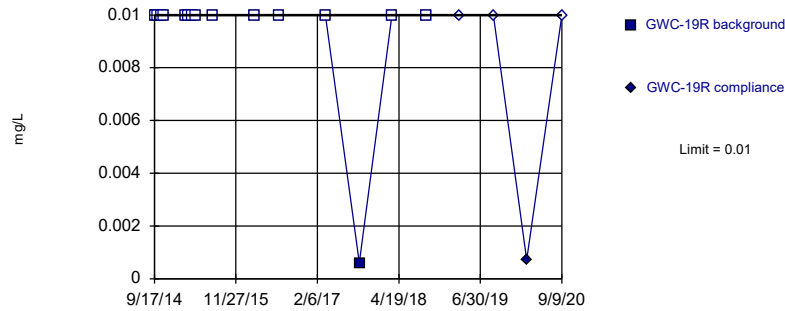


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

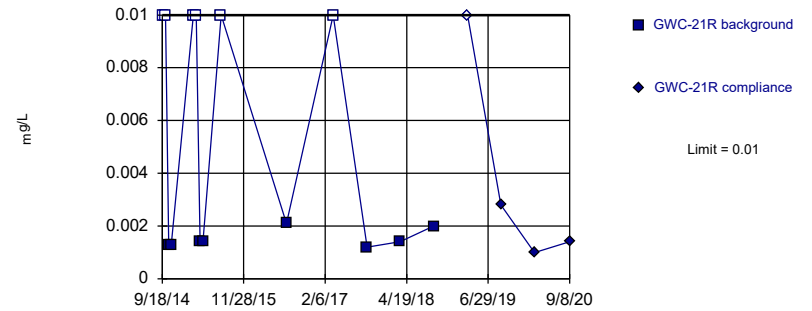


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

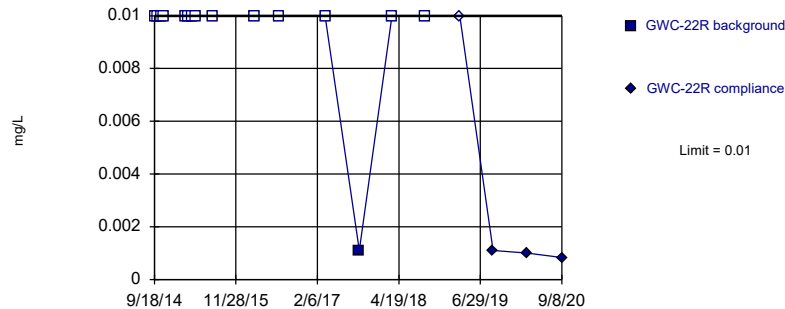


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

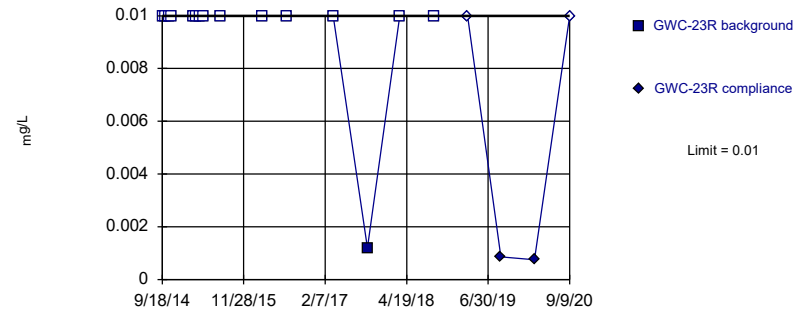


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

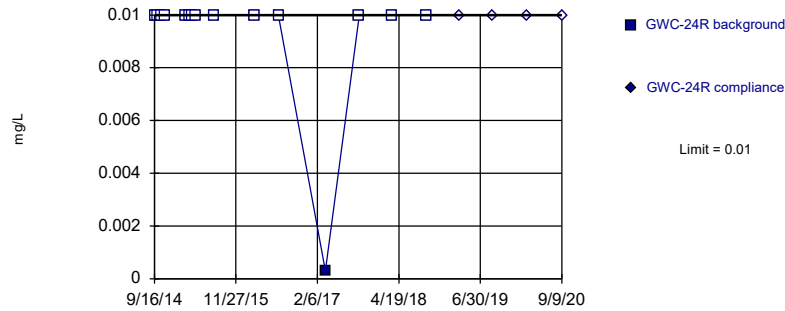


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

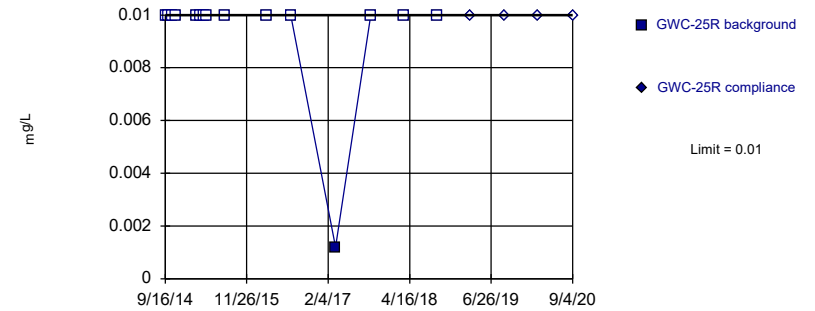


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

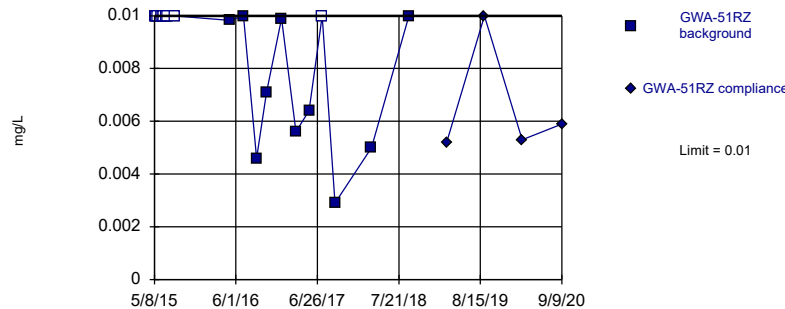


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Nickel Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

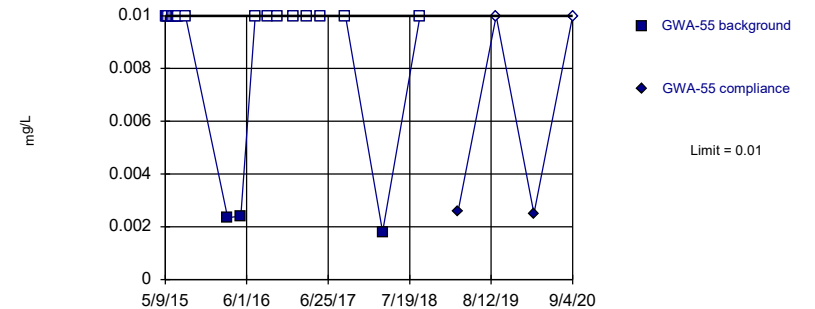


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

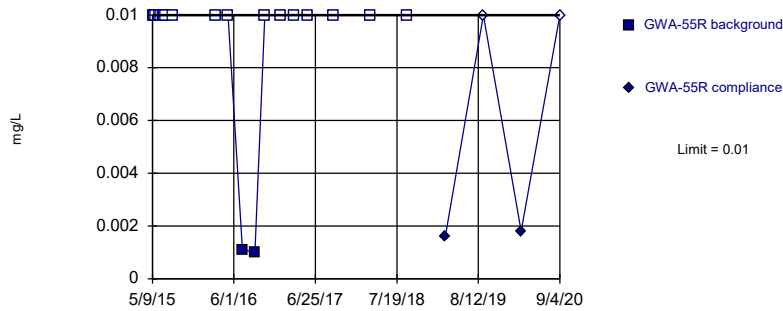


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

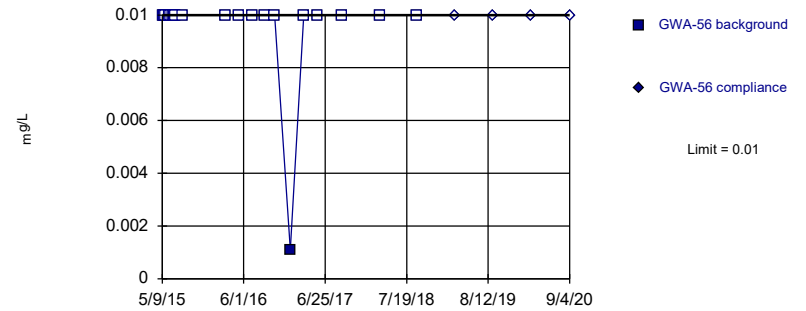


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

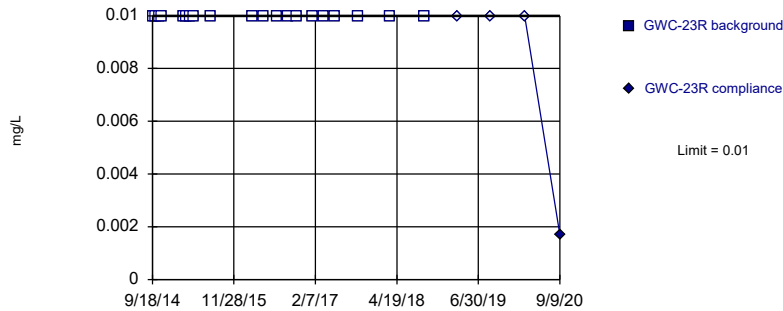


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

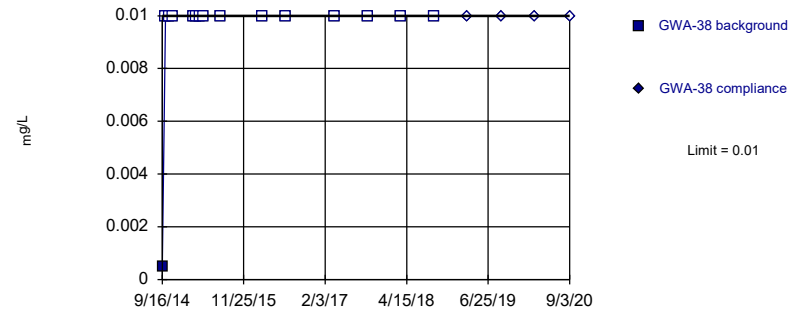


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Selenium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

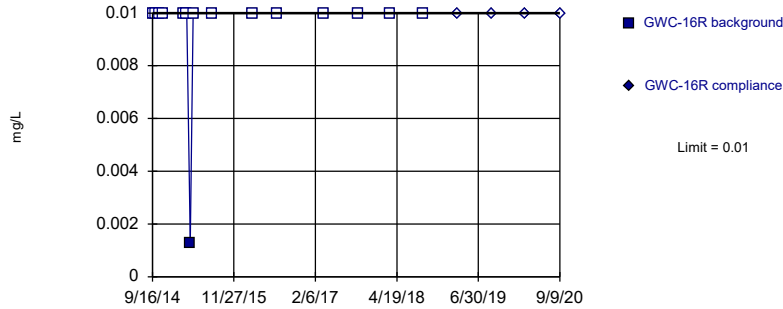


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007531 (1 of 2).

Constituent: Silver Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

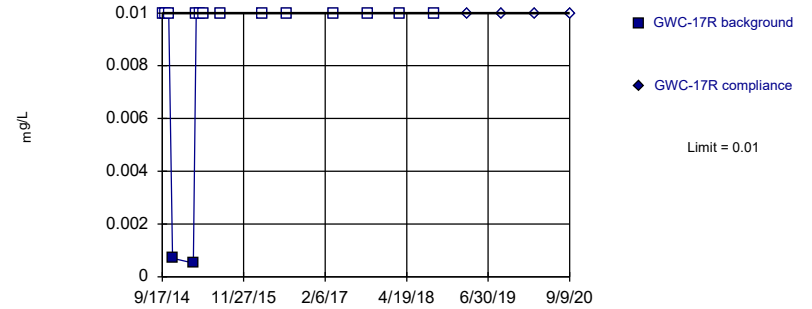


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

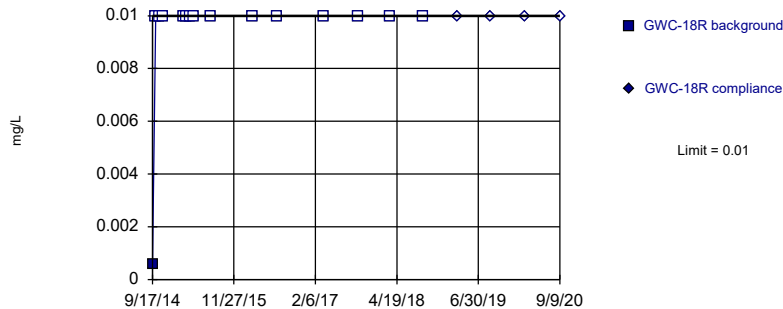


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

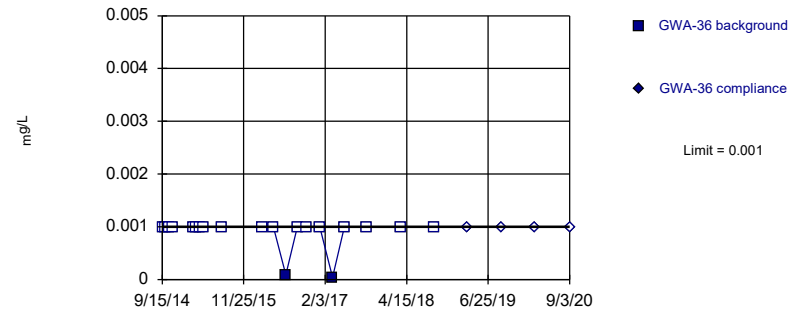


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Silver Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

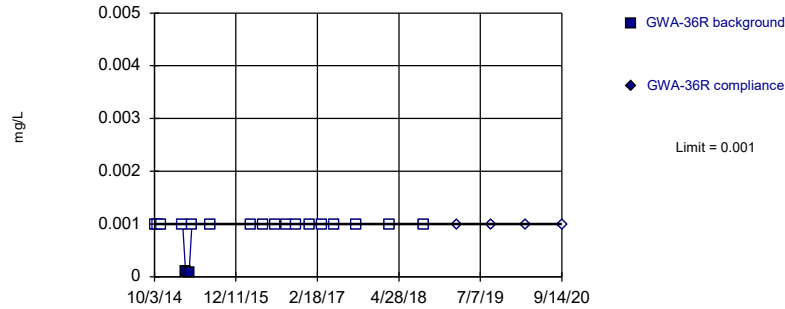


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

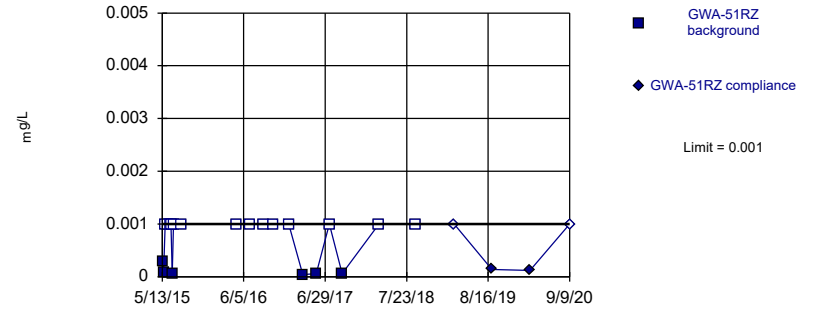


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

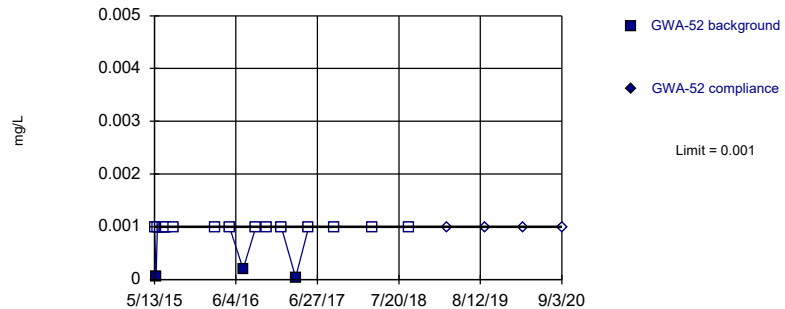


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

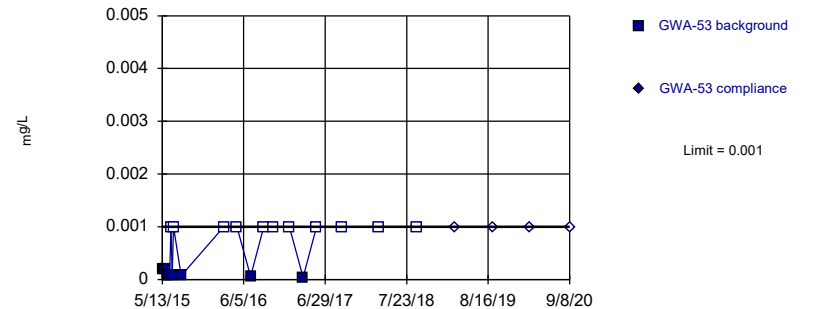


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

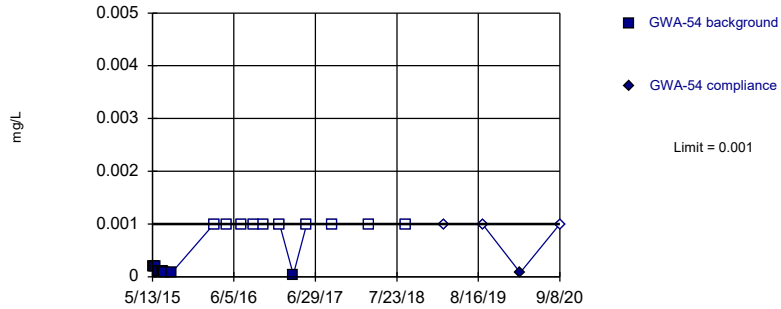


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

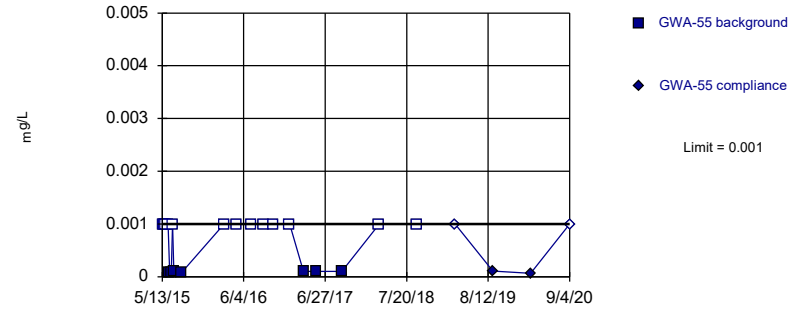


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

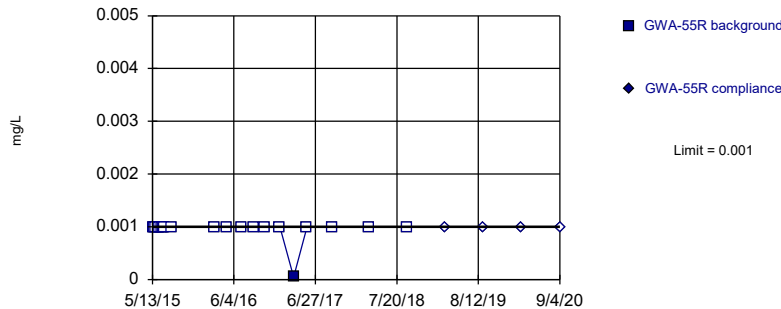


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 65% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

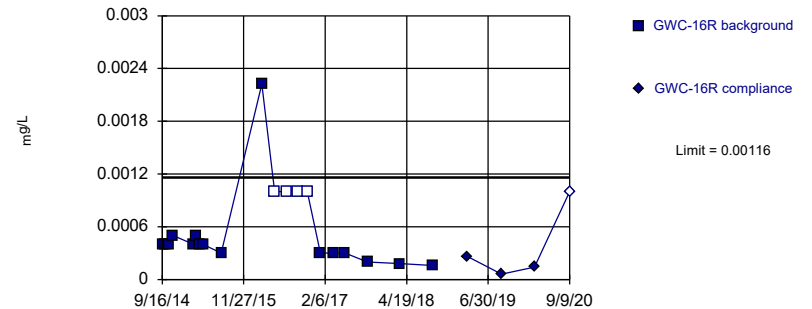


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

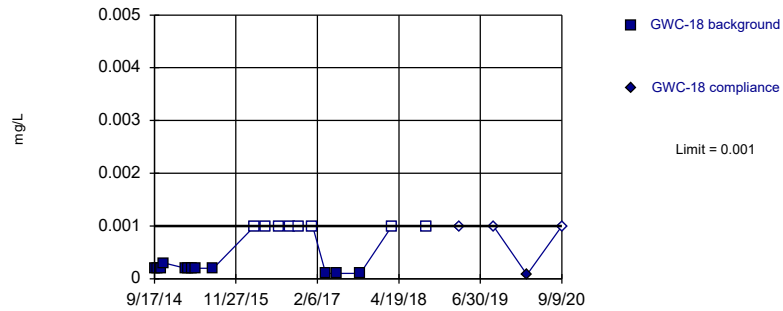


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.321, Std. Dev.=0.6089, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9187, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

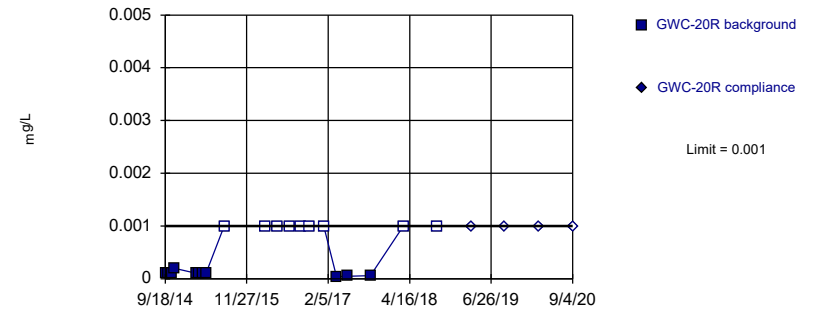


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

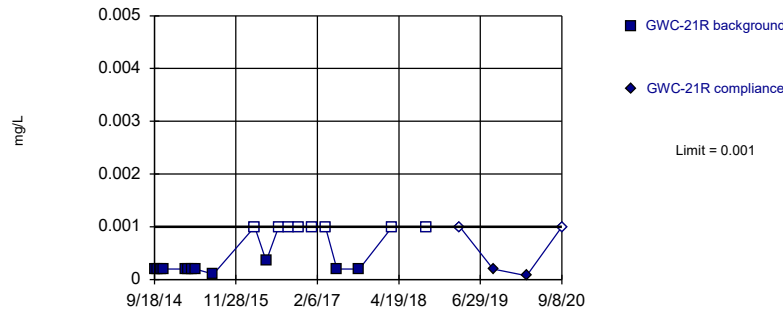


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 45% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

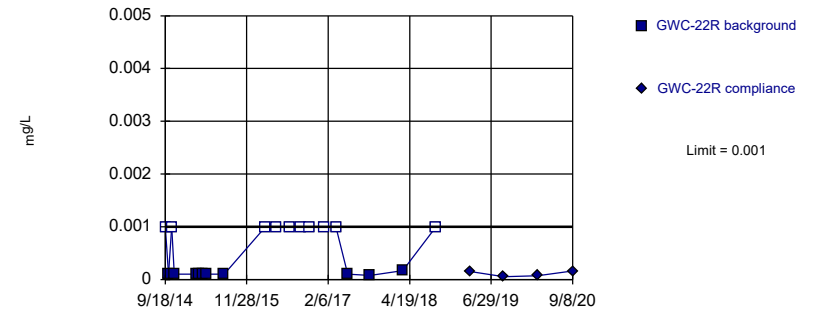


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

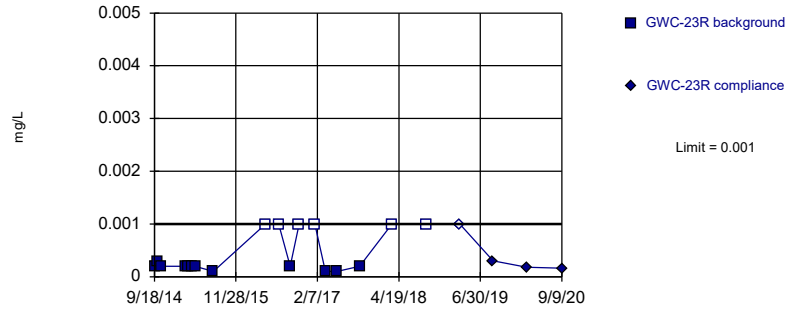


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 50% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

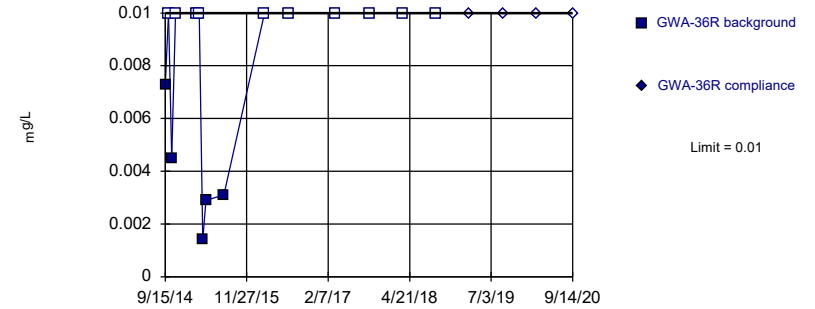


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Thallium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

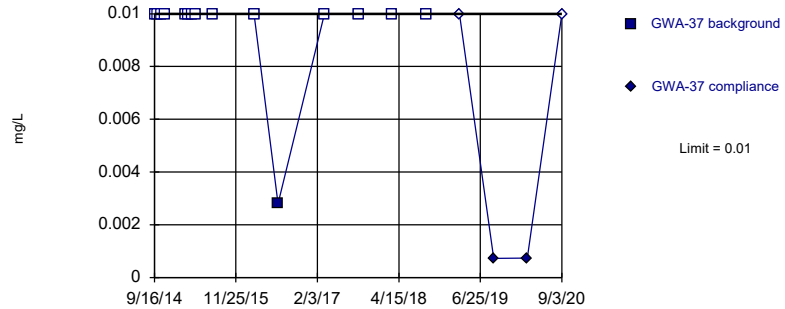


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

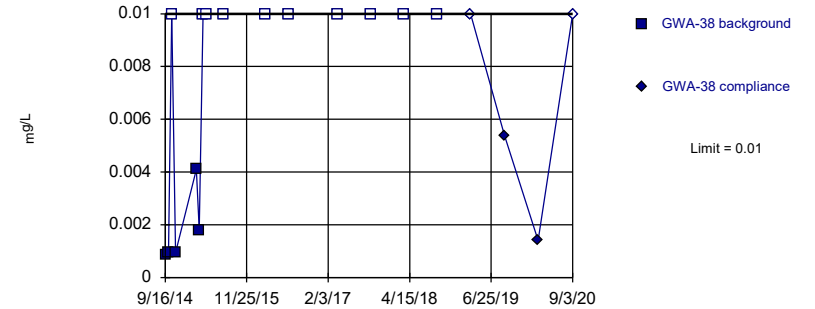


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

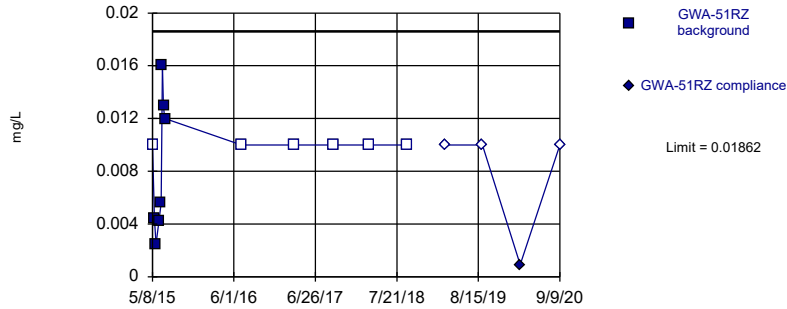


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

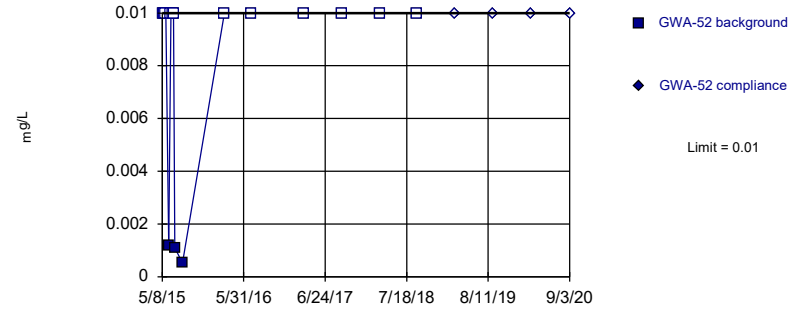


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.006365, Std. Dev.=0.004195, n=13, 46.15% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9127, critical = 0.814. Kappa = 2.92 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

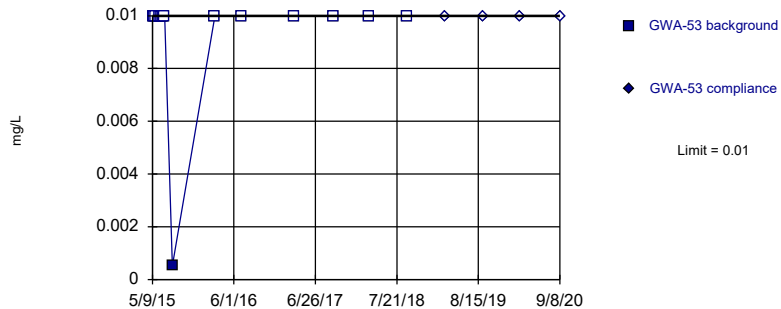


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

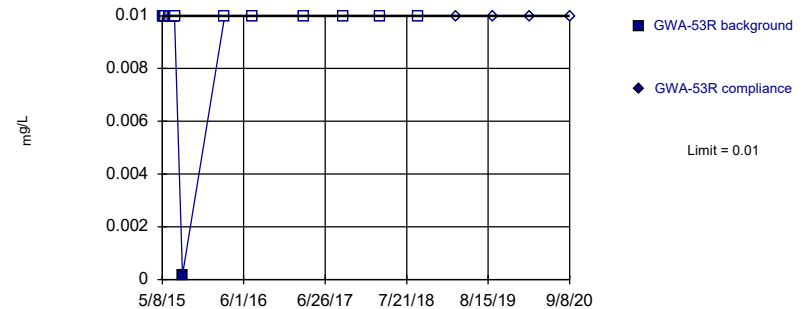


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

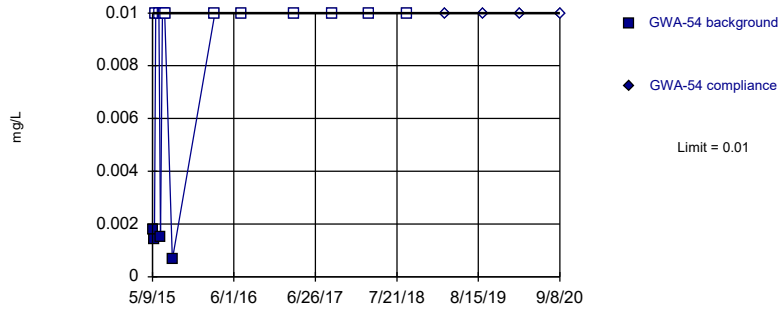


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

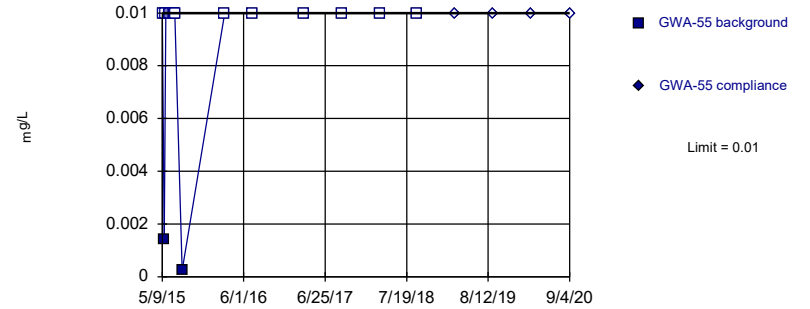


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

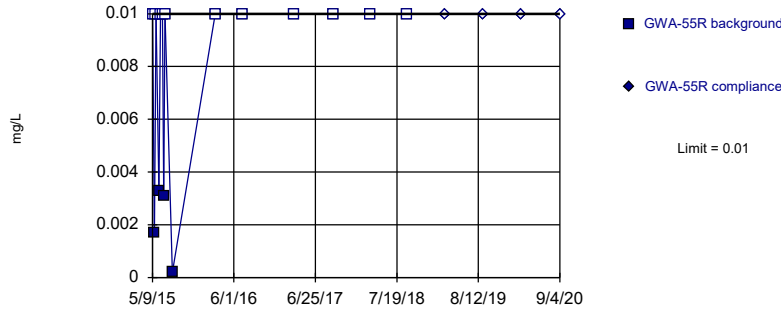


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

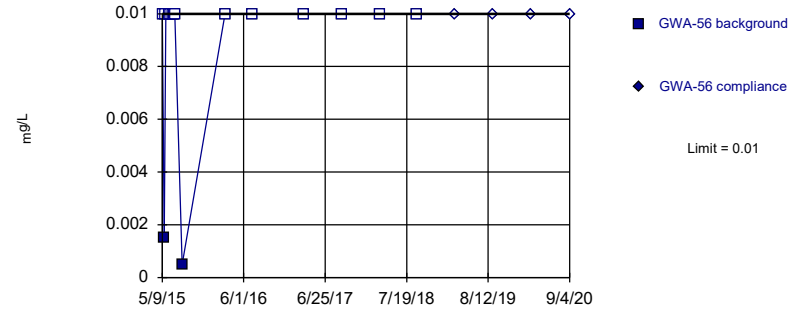


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

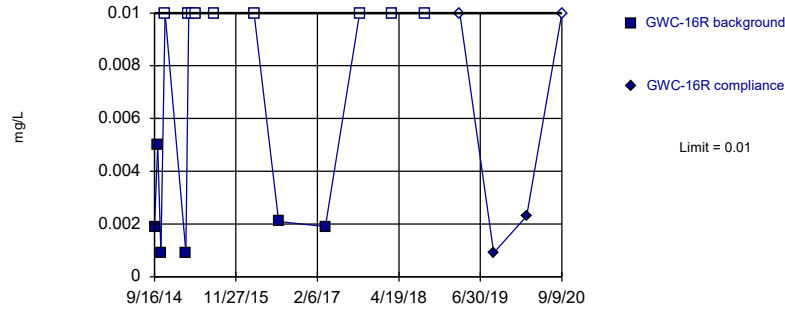


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

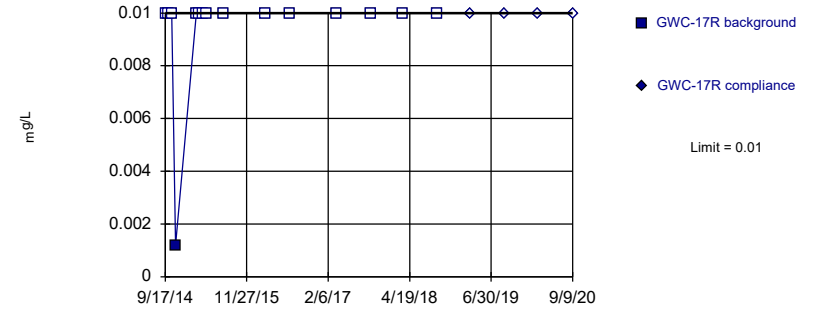


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

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 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

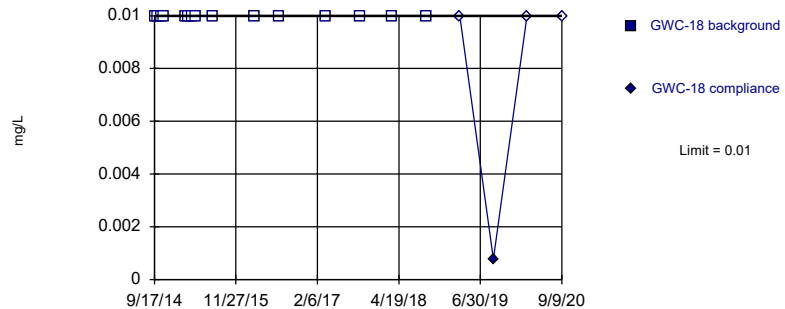


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

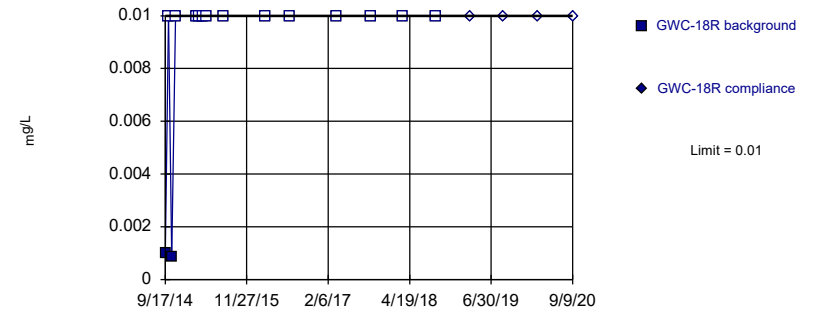


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



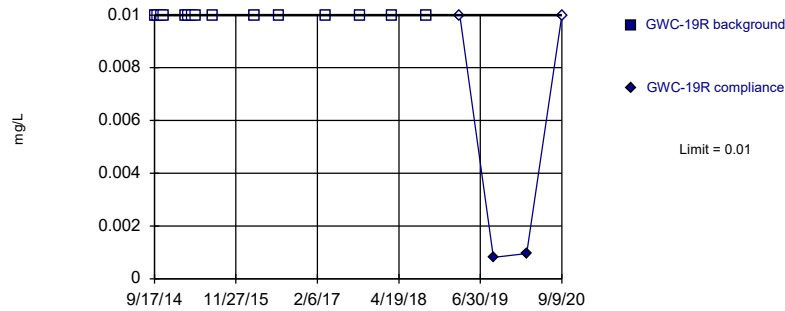
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



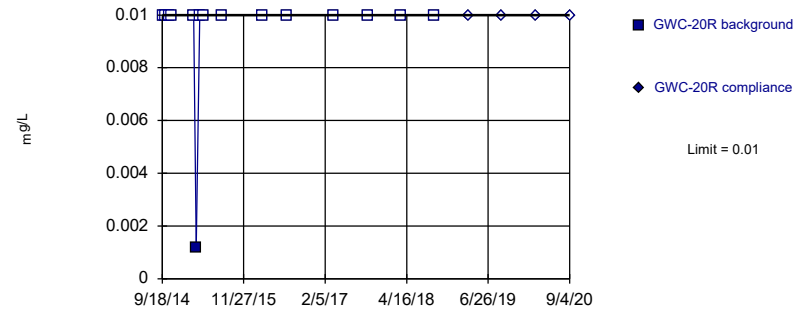
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



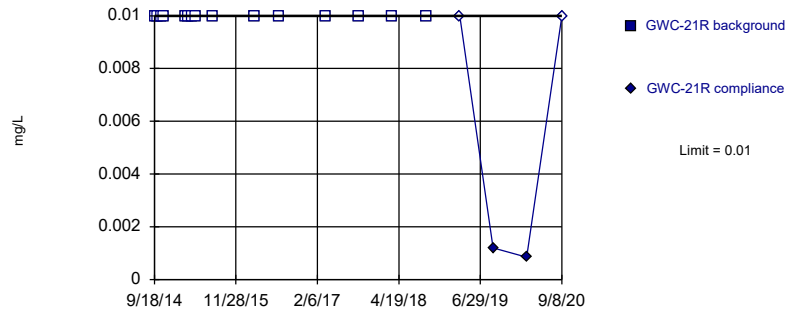
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



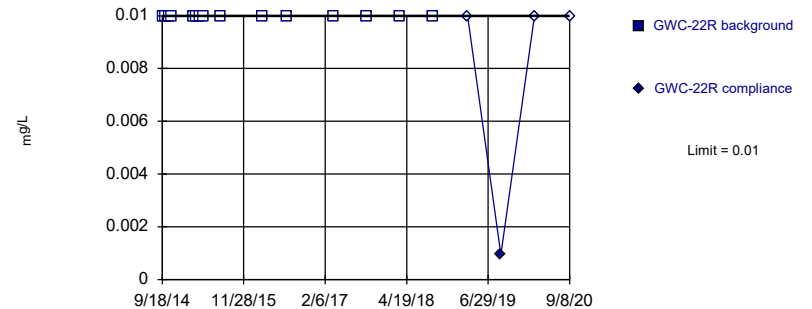
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric

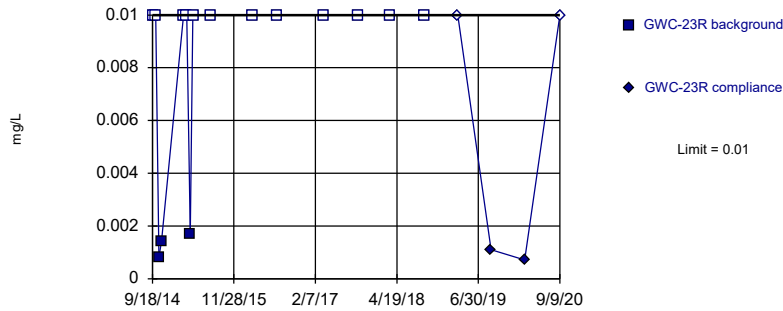


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

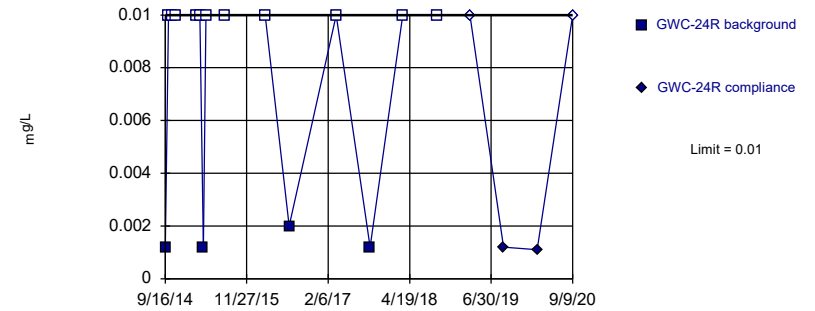


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

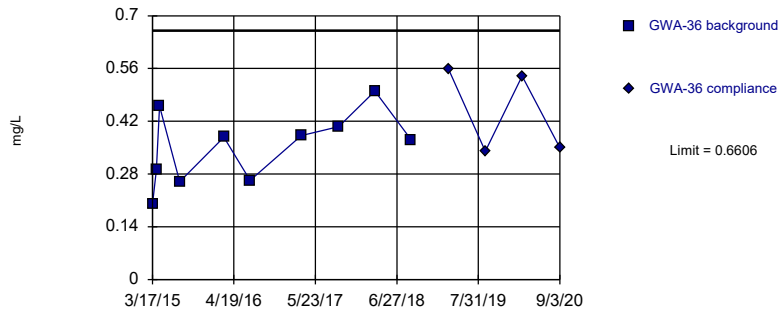


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Vanadium Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

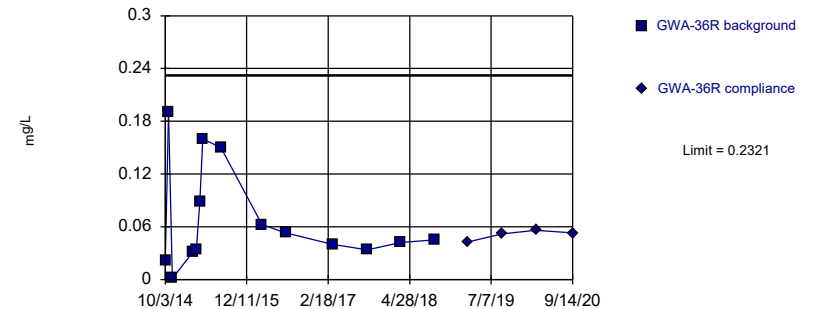


Background Data Summary: Mean=0.3509, Std. Dev.=0.09528, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.781. Kappa = 3.25 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/5/2020 3:32 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

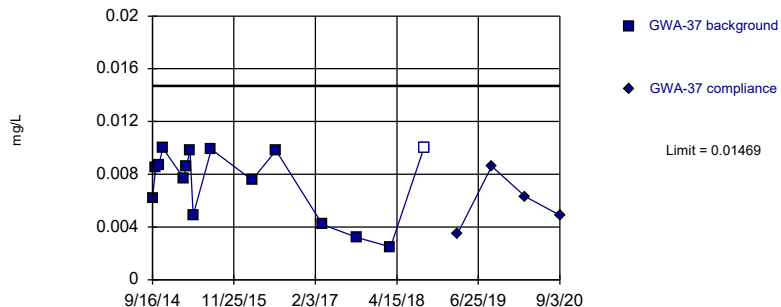


Background Data Summary: Mean=0.06816, Std. Dev.=0.05752, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.828, critical = 0.825. Kappa = 2.85 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

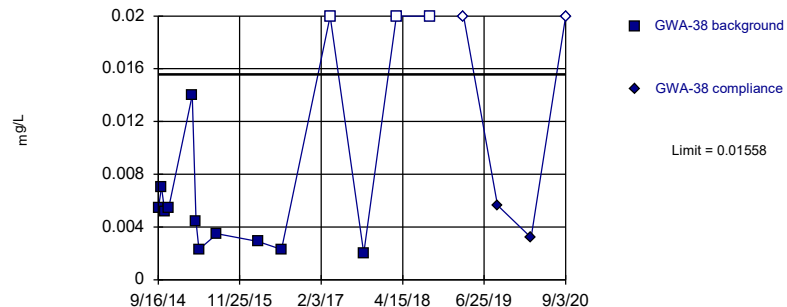


Background Data Summary: Mean=0.007437, Std. Dev.=0.002609, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.865, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

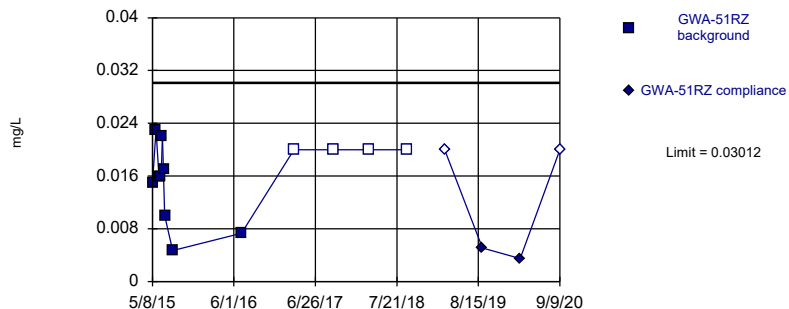


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06544, Std. Dev.=0.02083, n=14, 21.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8273, critical = 0.825. Kappa = 2.85 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

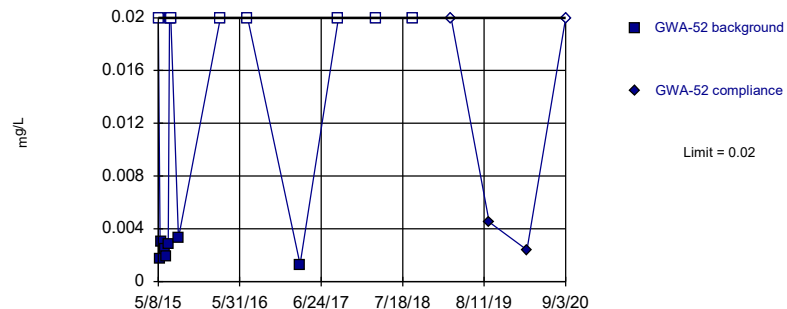


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01304, Std. Dev.=0.00585, n=13, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8893, critical = 0.814. Kappa = 2.92 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

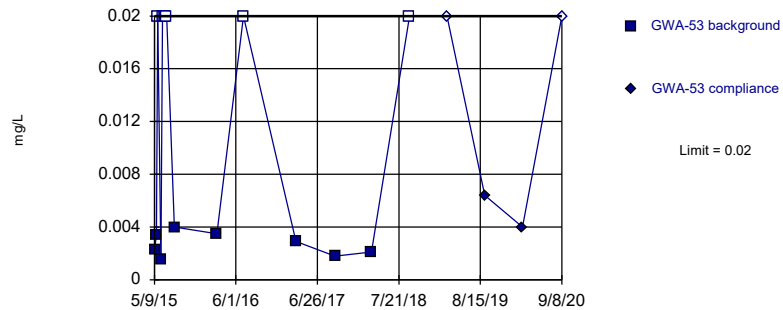


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

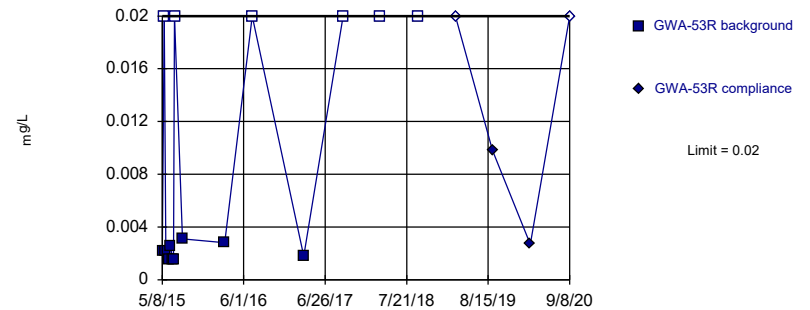


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

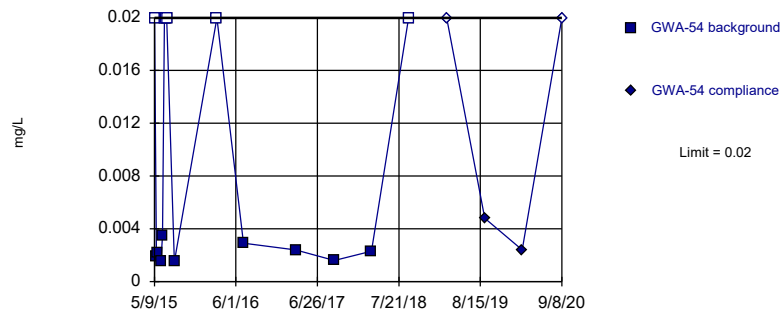


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

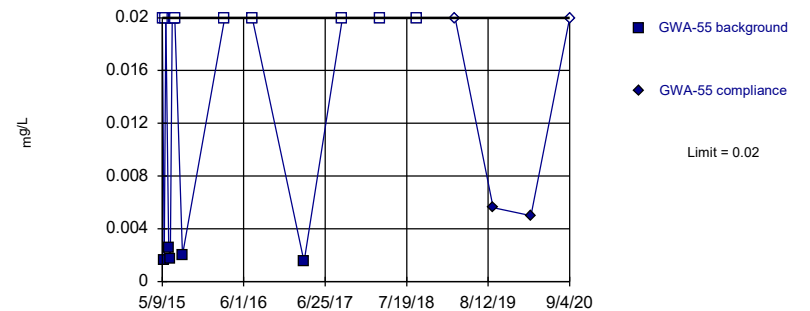


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



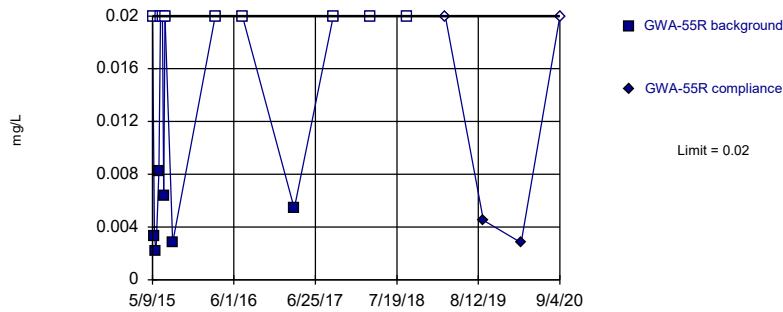
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



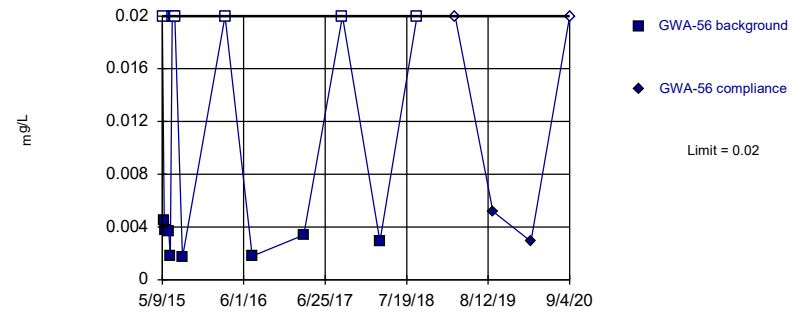
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



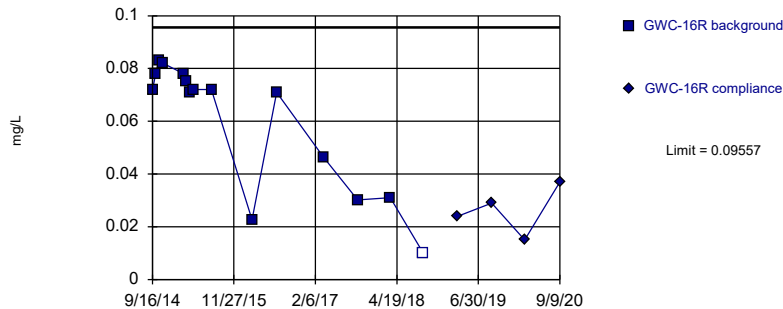
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



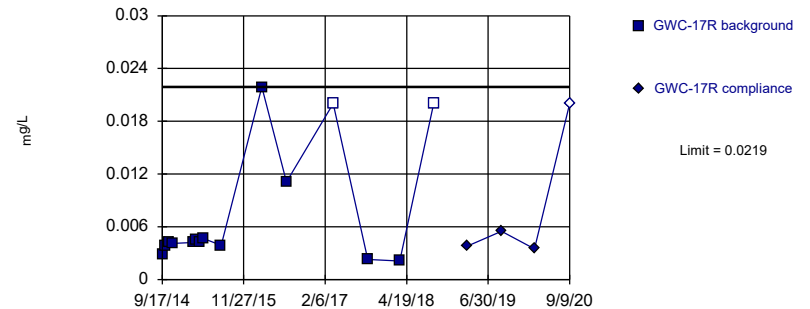
Background Data Summary (based on cube transformation): Mean=0.0002999, Std. Dev.=0.0002062, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8545, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric

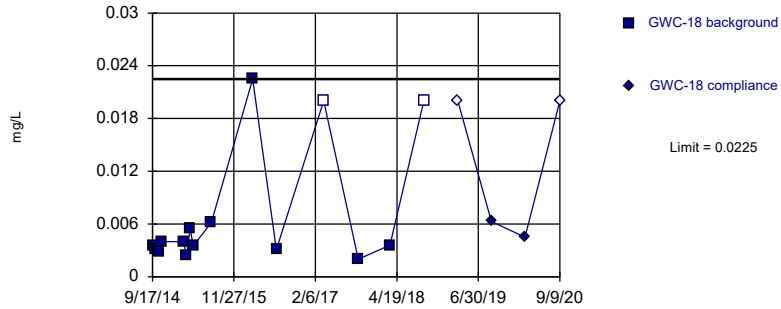


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 13.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

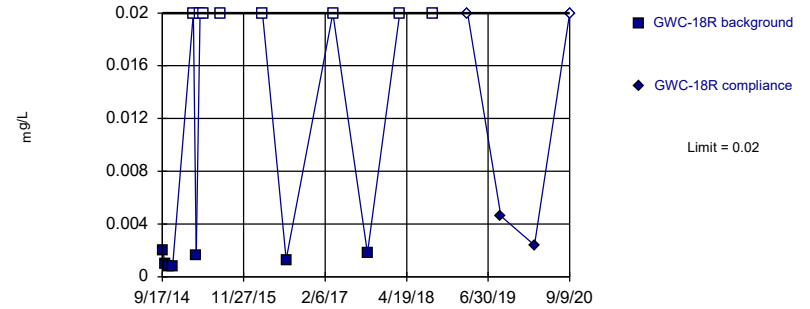


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 13.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

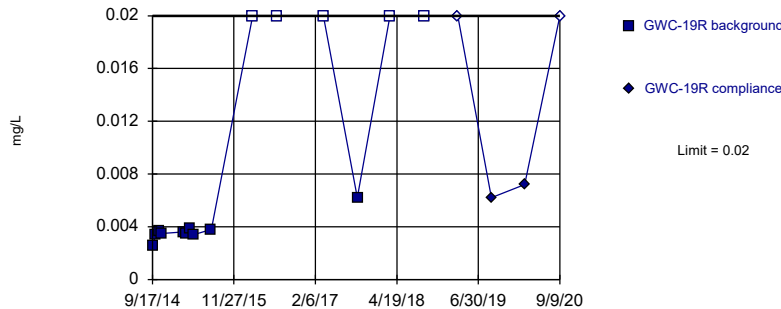


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

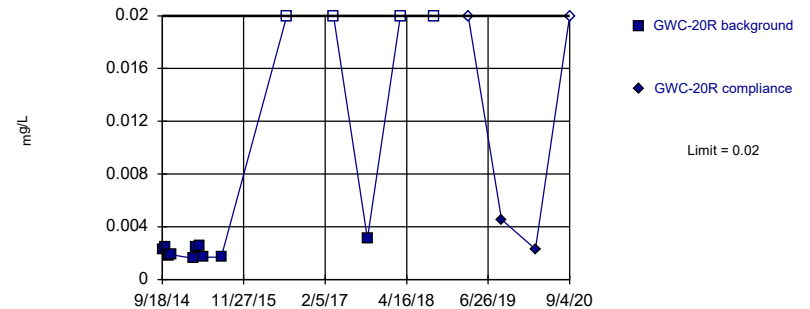


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

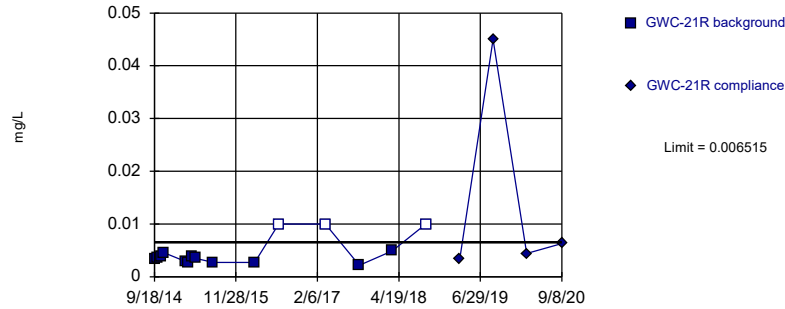


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

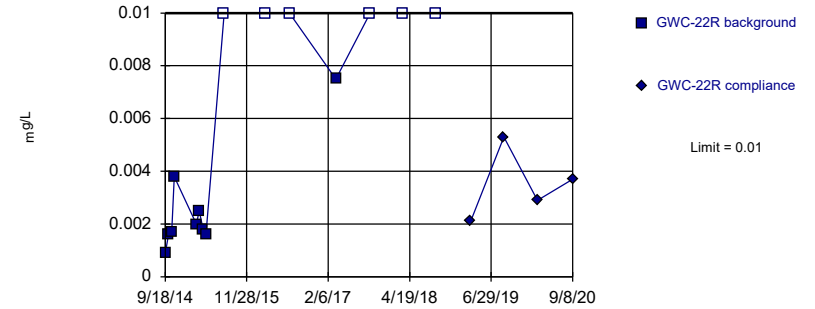


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.726, Std. Dev.=0.2492, n=15, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8434, critical = 0.835. Kappa = 2.779 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

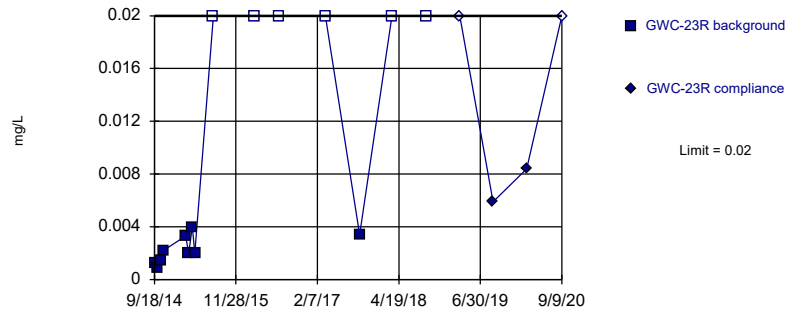


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

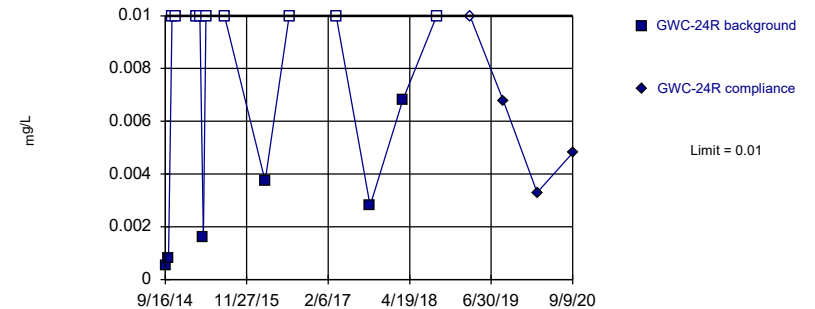


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 40% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

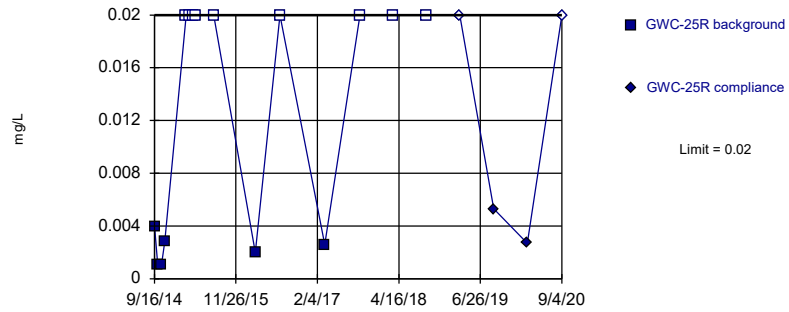


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Zinc Analysis Run 11/5/2020 3:33 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/21/2015	<0.003	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/7/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	<0.003	
3/15/2017	0.0004 (J)	
5/17/2017	0.0032	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019		<0.003
9/4/2019		0.001 (J)
3/2/2020		<0.003
9/3/2020		0.00094 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	0.00214 (J)	
5/3/2016	0.00178 (J)	
7/8/2016	0.0023 (J)	
9/7/2016	0.0039	
10/25/2016	0.0035	
1/6/2017	0.0052	
3/14/2017	0.003	
5/16/2017	0.0026 (J)	
9/15/2017	0.0016 (J)	
3/12/2018	0.0023 (J)	
9/6/2018	0.0024 (J)	
3/6/2019		0.0019 (J)
9/4/2019		0.0029 (J)
3/2/2020		0.0018 (J)
9/3/2020		0.0012 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.003	
5/17/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/18/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
5/4/2016	0.00254 (JD)	
7/7/2016	0.0033 (D)	
9/8/2016	0.0046 (o)	
10/26/2016	0.001 (D)	
1/6/2017	0.0011 (D)	
3/15/2017	0.0006 (D)	
5/18/2017	0.0009 (D)	
7/19/2017	<0.003 (D)	
9/19/2017	<0.003 (D)	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003
9/4/2019		0.0006 (J)
3/3/2020		<0.003
9/9/2020		0.00035 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.003	
5/18/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/17/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	0.000782 (J)	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/8/2016	0.0009 (J)	
10/26/2016	0.0012 (J)	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/19/2017	0.0005 (J)	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/8/2019		<0.003
9/5/2019		0.00035 (J)
3/4/2020		0.0019 (J)
9/8/2020		0.0017 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.003	
5/17/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/18/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	0.00106 (J)	
5/3/2016	0.00171 (J)	
7/11/2016	<0.003	
9/7/2016	0.0013 (J)	
10/27/2016	0.0011 (J)	
1/6/2017	0.0013 (J)	
3/16/2017	0.0029 (J)	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	0.0034	
9/11/2018	0.0033	
3/12/2019		0.002 (J)
9/5/2019		0.00035 (J)
3/4/2020		0.00053 (J)
9/8/2020		0.00078 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.003	
5/18/2015	<0.003	
5/25/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	<0.003	
5/4/2016	<0.003	
7/8/2016	<0.003	
9/8/2016	0.0019 (J)	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	0.001 (J)	
3/7/2019		<0.003
9/5/2019		<0.003
3/3/2020		0.0011 (J)
9/8/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.003	
5/18/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/13/2015	<0.003	
3/2/2016	0.000608 (J)	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003
9/5/2019		<0.003
3/3/2020		<0.003
9/4/2020		0.00065 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.003	
5/18/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/13/2015	<0.003	
3/3/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	0.0009 (J)	
10/27/2016	<0.003	
1/9/2017	0.0023 (J)	
3/16/2017	0.0007 (J)	
5/18/2017	0.0012 (J)	
9/18/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003
9/5/2019		<0.003
3/4/2020		<0.003
9/4/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.003	
5/19/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/13/2015	<0.003	
3/3/2016	<0.003	
5/9/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	0.0012 (J)	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003
9/4/2019		<0.003
3/4/2020		<0.003
9/4/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.0083	
10/4/2014	<0.0083	
10/21/2014	<0.0083	
11/11/2014	<0.0083	
3/3/2015	<0.0083	
3/18/2015	<0.0083	
4/6/2015	<0.0083	
4/23/2015	<0.0083	
7/29/2015	<0.0083	
3/3/2016	0.00472 (D)	
5/10/2016	0.0047	
7/13/2016	<0.0083	
9/15/2016	0.0013 (J)	
11/2/2016	0.0021 (J)	
1/11/2017	0.0086	
3/20/2017	0.0187	
5/23/2017	0.0097	
9/21/2017	0.0078	
3/14/2018	0.015	
9/7/2018	0.0026 (J)	
3/11/2019		0.02
9/9/2019		0.011
3/4/2020		0.019
9/9/2020		0.015

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/6/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/4/2016	<0.003	
5/10/2016	0.000641 (J)	
7/14/2016	<0.003	
9/14/2016	0.0012 (J)	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/23/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/10/2019		<0.003
3/5/2020		<0.003
9/9/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/9/2019		<0.003
3/6/2020		0.00049 (J)
9/9/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	0.000672 (J)	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	0.0005 (J)	
5/22/2017	<0.003	
9/21/2017	0.0008 (J)	
3/14/2018	<0.003	
9/7/2018	<0.003	
3/12/2019		0.00091 (J)
9/6/2019		0.00028 (J)
3/5/2020		0.00068 (J)
9/9/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019		<0.003
9/6/2019		0.001755 (D)
3/5/2020		<0.003
9/4/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0056	
10/5/2014	<0.0056	
10/22/2014	<0.0056	
11/5/2014	<0.0056	
3/4/2015	<0.0056	
3/19/2015	<0.0056	
4/8/2015	<0.0056	
4/24/2015	<0.0056	
7/30/2015	<0.0056	
3/8/2016	0.00318	
5/9/2016	0.00454	
7/15/2016	<0.0056	
9/9/2016	0.0033	
10/27/2016	0.0046	
1/12/2017	0.0064	
3/21/2017	0.0058	
5/23/2017	0.0023 (J)	
9/19/2017	0.0018 (J)	
3/14/2018	0.0063	
9/10/2018	0.0033	
3/11/2019		0.0029 (J)
9/6/2019		0.01
3/3/2020		0.0019 (J)
9/8/2020		0.0041

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/9/2016	0.003	
5/6/2016	0.000666 (J)	
7/15/2016	<0.003	
9/14/2016	0.0022 (J)	
11/1/2016	<0.003	
1/25/2017	<0.003	
3/22/2017	0.0006 (J)	
5/24/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/6/2019		0.00029 (J)
3/5/2020		<0.003
9/9/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/4/2016	0.0271 (Jo)	
5/5/2016	0.000761 (J)	
7/12/2016	0.0094 (o)	
9/13/2016	0.0072 (o)	
10/27/2016	0.005	
1/13/2017	0.0012 (J)	
3/20/2017	0.0014 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	<0.003	
3/13/2018	0.0016 (J)	
9/11/2018	<0.003	
3/8/2019		<0.003
9/5/2019		0.00031 (JD)
3/3/2020		<0.003
9/9/2020		0.00094 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/9/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	0.0226 (o)	
5/4/2016	0.00107 (J)	
7/18/2016	0.0004 (J)	
9/13/2016	0.0028 (J)	
10/27/2016	0.0011 (J)	
1/13/2017	<0.003	
3/16/2017	0.0009 (J)	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	0.00093 (J)	
9/11/2018	<0.003	
3/8/2019		<0.003
9/5/2019		<0.003
3/3/2020		<0.003
9/4/2020		0.0013 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0036 (J)	
10/3/2014	<0.005	
10/20/2014	0.0022 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0008 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005
9/14/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0005 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		<0.005
3/2/2020		0.00053 (J)
9/3/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	0.0062	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/25/2016	<0.005	
2/9/2017	<0.005	
3/23/2017	<0.005	
5/17/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	0.00061 (J)	
9/6/2018	0.00071 (J)	
3/7/2019		<0.005
9/4/2019		<0.005 (D)
3/2/2020		0.00059 (J)
9/3/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.005	
5/17/2015	0.0021 (J)	
5/25/2015	<0.005	
6/8/2015	0.002 (J)	
6/18/2015	0.0028 (J)	
6/24/2015	0.0074	
6/30/2015	0.0065	
7/6/2015	0.0057	
8/12/2015	0.0162 (o)	
5/4/2016	<0.005 (D)	
7/7/2016	0.0009 (JD)	
9/8/2016	<0.005 (D)	
10/26/2016	<0.005 (D)	
1/6/2017	<0.005 (D)	
3/15/2017	0.0006 (JD)	
5/18/2017	0.0007 (JD)	
7/19/2017	0.0061 (D)	
9/19/2017	0.0021 (JD)	
3/13/2018	0.0017 (J)	
9/7/2018	<0.005	
3/8/2019		<0.005
9/4/2019		0.00061 (J)
3/3/2020		0.00073 (J)
9/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
2/29/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/6/2017	<0.005	
3/15/2017	<0.005	
5/17/2017	<0.005	
9/15/2017	0.0006 (J)	
3/13/2018	0.00063 (J)	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005
9/3/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0005 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	<0.005	
3/13/2018	0.00058 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		0.00039 (J)
3/4/2020		0.00044 (J)
9/8/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/7/2016	<0.005	
10/27/2016	<0.005	
1/6/2017	<0.005	
3/16/2017	0.0005 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/5/2019		0.00046 (J)
3/4/2020		0.00043 (J)
9/8/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	0.0006 (J)	
5/18/2017	<0.005	
9/15/2017	<0.005	
3/13/2018	0.00066 (J)	
9/6/2018	0.00057 (J)	
3/7/2019		<0.005
9/5/2019		0.00038 (J)
3/3/2020		<0.005
9/8/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/9/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0005 (J)	
5/18/2017	0.0006 (J)	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005
9/5/2019		0.00044 (J)
3/3/2020		<0.005
9/4/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	0.0028 (J)	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	0.0024 (J)	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	0.001 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0007 (J)	
5/18/2017	0.0006 (J)	
9/18/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005
9/5/2019		0.00042 (J)
3/4/2020		<0.005
9/4/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.005	
5/19/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	0.0021 (J)	
3/3/2016	<0.005	
5/9/2016	<0.005	
7/11/2016	0.001 (J)	
9/9/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	0.0005 (J)	
5/18/2017	0.0006 (J)	
9/15/2017	0.0008 (J)	
3/13/2018	0.00088 (J)	
9/7/2018	<0.005	
3/7/2019		0.00085 (J)
9/4/2019		<0.005
3/4/2020		0.0004 (J)
9/4/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	0.08869 (oD)	
5/10/2016	0.00128 (J)	
7/13/2016	0.001 (J)	
9/15/2016	0.0017 (J)	
11/2/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/21/2017	0.001 (J)	
3/14/2018	0.0013 (J)	
9/7/2018	<0.005	
3/11/2019		<0.005
9/9/2019		0.00094 (J)
3/4/2020		0.00088 (J)
9/9/2020		0.0011 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0009 (J)	
5/23/2017	<0.005	
9/22/2017	0.0008 (J)	
3/14/2018	0.00092 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005
9/10/2019		<0.005
3/5/2020		<0.005
9/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	0.00091 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005
9/9/2019		0.00099 (J)
3/6/2020		<0.005
9/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0006 (J)	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	0.00057 (J)	
9/7/2018	<0.005	
3/12/2019		<0.005
9/6/2019		<0.005
3/5/2020		0.00042 (J)
9/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0007 (J)	
5/22/2017	<0.005	
9/20/2017	<0.005	
3/14/2018	0.00076 (J)	
9/10/2018	<0.005	
3/12/2019		<0.005
9/9/2019		0.00082 (J)
3/4/2020		0.00072 (J)
9/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/22/2017	<0.005	
5/22/2017	<0.005	
9/19/2017	0.0006 (J)	
3/14/2018	0.0011 (J)	
9/10/2018	<0.005	
3/12/2019		<0.005
9/6/2019		0.00047 (JD)
3/5/2020		<0.005
9/4/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0148 (o)	
5/9/2016	0.00347 (J)	
7/15/2016	0.0017 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	0.002 (J)	
3/21/2017	0.0021 (J)	
5/23/2017	<0.005	
9/19/2017	0.0013 (J)	
3/14/2018	0.0033 (J)	
9/10/2018	<0.005	
3/11/2019		0.0038 (J)
9/6/2019		0.0024 (J)
3/3/2020		0.0015 (J)
9/8/2020		0.0023 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	0.001 (J)	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/19/2017	0.0021 (J)	
3/13/2018	0.00087 (J)	
9/7/2018	<0.005	
3/11/2019		0.00099 (J)
9/5/2019		0.0024 (J)
3/3/2020		0.0014 (J)
9/8/2020		0.0025 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0006 (J)	
9/21/2017	<0.005	
3/14/2018	0.0014 (J)	
9/11/2018	<0.005	
3/12/2019		<0.005
9/6/2019		0.00054 (J)
3/5/2020		<0.005
9/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	0.0015 (J)	
5/5/2016	<0.005	
7/12/2016	0.0009 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0013 (J)	
5/19/2017	0.001 (J)	
9/19/2017	<0.005	
3/13/2018	0.0015 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		0.0005 (JD)
3/3/2020		<0.005
9/9/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0004 (J)	
5/19/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	0.00073 (J)	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		<0.005
3/3/2020		<0.005
9/4/2020		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	0.0069	
10/3/2014	0.0045	
10/20/2014	0.0044	
11/10/2014	<0.0013	
3/2/2015	0.0045	
3/17/2015	0.0078	
4/5/2015	0.01	
4/21/2015	0.013	
7/28/2015	0.011	
3/1/2016	0.0189	
5/2/2016	0.0133	
7/7/2016	0.013	
9/7/2016	0.0116	
10/25/2016	0.0129	
1/5/2017	0.013	
3/15/2017	0.0121	
5/17/2017	0.0123	
9/15/2017	0.0127	
3/12/2018	0.014	
9/6/2018	0.013	
3/6/2019		0.018
9/4/2019		0.014
3/2/2020		0.019
9/3/2020		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.031	
10/3/2014	0.024	
10/20/2014	0.024	
11/10/2014	0.014	
3/2/2015	0.013	
3/17/2015	0.013	
4/5/2015	0.022	
4/21/2015	0.018	
7/28/2015	0.022	
3/1/2016	0.021	
5/2/2016	0.0225	
7/6/2016	0.0249	
9/7/2016	0.0251	
10/25/2016	0.0274	
1/5/2017	0.028	
3/14/2017	0.02	
5/16/2017	0.0221	
9/15/2017	0.0231	
3/12/2018	0.023	
9/6/2018	0.024	
3/7/2019		0.018
9/4/2019		0.026
3/2/2020		0.024
9/14/2020		0.03

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.0071	
10/3/2014	0.0087	
10/20/2014	0.0085	
11/10/2014	0.008	
3/2/2015	0.0063	
3/17/2015	0.0066	
4/5/2015	0.0068	
4/22/2015	0.0094	
7/28/2015	0.0057	
3/1/2016	0.0101	
5/3/2016	0.0104	
7/8/2016	0.0095 (J)	
9/7/2016	0.0095 (J)	
10/25/2016	0.0121	
1/6/2017	0.014	
3/14/2017	0.009 (J)	
5/16/2017	0.0084 (J)	
9/15/2017	0.0078 (J)	
3/12/2018	0.006 (J)	
9/6/2018	0.0058 (J)	
3/6/2019		0.0052 (J)
9/4/2019		0.005 (J)
3/2/2020		0.005 (J)
9/3/2020		0.0045 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.014	
10/3/2014	0.016	
10/20/2014	0.014	
11/10/2014	0.015	
3/2/2015	0.03 (o)	
3/17/2015	0.018	
4/6/2015	0.014	
4/22/2015	0.012	
7/28/2015	0.012	
3/2/2016	0.0123	
5/3/2016	0.0114	
7/7/2016	0.012	
9/8/2016	0.0131	
10/25/2016	0.0122	
2/9/2017	0.0104	
3/23/2017	0.0128	
5/17/2017	0.0113	
9/19/2017	0.0114	
3/13/2018	0.011	
9/6/2018	0.011	
3/7/2019		0.011
9/4/2019		0.0115 (D)
3/2/2020		0.012
9/3/2020		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	0.0094	
5/17/2015	0.014	
5/25/2015	0.012	
6/8/2015	0.0094	
6/18/2015	0.0075	
6/24/2015	0.0056	
6/30/2015	0.0047	
7/6/2015	0.0047	
8/12/2015	0.00383 (J)	
5/4/2016	0.0207 (D)	
7/7/2016	0.0207 (D)	
9/8/2016	0.0278 (D)	
10/26/2016	0.0204 (D)	
1/6/2017	0.0221 (D)	
3/15/2017	0.0172 (D)	
5/18/2017	0.0181 (D)	
7/19/2017	0.018 (D)	
9/19/2017	0.0271 (D)	
3/13/2018	0.017	
9/7/2018	0.022	
3/8/2019		0.015
9/4/2019		0.018
3/3/2020		0.017
9/9/2020		0.017

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	0.033	
5/17/2015	0.04	
5/25/2015	0.039	
6/8/2015	0.031	
6/18/2015	0.039	
6/24/2015	0.042	
6/30/2015	0.033	
7/6/2015	0.031	
8/12/2015	<0.02	
2/29/2016	0.028	
5/4/2016	0.0273	
7/8/2016	0.0284	
9/8/2016	0.0242	
10/26/2016	0.021	
1/6/2017	0.0219	
3/15/2017	0.0202	
5/17/2017	0.0219	
9/15/2017	0.0209	
3/13/2018	0.02	
9/6/2018	0.024	
3/7/2019		0.025
9/4/2019		0.02
3/2/2020		0.023
9/3/2020		0.017

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	0.044	
5/18/2015	0.04	
5/25/2015	0.036	
6/8/2015	0.028	
6/17/2015	0.026	
6/24/2015	0.021	
6/30/2015	0.018	
7/6/2015	0.018	
8/12/2015	<0.02	
3/2/2016	0.017	
5/3/2016	0.016	
7/8/2016	0.0156	
9/8/2016	0.0144	
10/26/2016	0.0128	
1/9/2017	0.0134	
3/16/2017	0.0129	
5/19/2017	0.0141	
9/19/2017	0.0127	
3/13/2018	0.013	
9/11/2018	0.013	
3/8/2019		0.012
9/5/2019		0.013
3/4/2020		0.013
9/8/2020		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	0.014	
5/17/2015	0.015	
5/25/2015	0.014	
6/8/2015	0.014	
6/18/2015	0.013	
6/24/2015	0.014	
6/30/2015	0.014	
7/6/2015	0.013	
8/12/2015	0.015 (J)	
3/2/2016	0.015	
5/3/2016	0.0144	
7/11/2016	0.0145	
9/7/2016	0.014	
10/27/2016	0.0142	
1/6/2017	0.0139	
3/16/2017	0.0145	
5/19/2017	0.0161	
9/19/2017	0.0153	
3/13/2018	0.015	
9/11/2018	0.015	
3/12/2019		0.016
9/5/2019		0.014
3/4/2020		0.015
9/8/2020		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	0.054	
5/18/2015	0.058	
5/25/2015	0.051	
6/9/2015	0.034	
6/17/2015	0.032	
6/25/2015	0.032	
7/1/2015	0.029	
7/7/2015	0.029	
8/12/2015	<0.02	
3/2/2016	0.0297	
5/4/2016	0.0299	
7/8/2016	0.0294	
9/8/2016	0.0275	
10/26/2016	0.0263	
1/9/2017	0.0263	
3/15/2017	0.0262	
5/18/2017	0.0276	
9/15/2017	0.0281	
3/13/2018	0.034	
9/6/2018	0.04	
3/7/2019		0.039
9/5/2019		0.034
3/3/2020		0.031
9/8/2020		0.035

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	0.022	
5/18/2015	0.031	
5/26/2015	0.028	
6/9/2015	0.031	
6/17/2015	0.029	
6/25/2015	0.024	
7/1/2015	0.026	
7/7/2015	0.027	
8/12/2015	<0.02	
3/2/2016	0.0276	
5/3/2016	0.0291	
7/11/2016	0.0225	
9/9/2016	0.018	
10/26/2016	0.0177	
1/9/2017	0.0183	
3/16/2017	0.0175	
5/18/2017	0.0203	
9/15/2017	0.0197	
3/12/2018	0.023	
9/7/2018	0.025	
3/8/2019		0.027
9/5/2019		0.024
3/3/2020		0.023
9/4/2020		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	0.042	
5/18/2015	0.063	
5/26/2015	0.057	
6/9/2015	0.07	
6/17/2015	0.065	
6/25/2015	0.068	
7/1/2015	0.069	
7/7/2015	0.071	
8/12/2015	<0.02	
3/3/2016	0.0424	
5/3/2016	0.0477	
7/11/2016	0.0506	
9/9/2016	0.0478	
10/27/2016	0.0472	
1/9/2017	0.0507	
3/16/2017	0.0497	
5/18/2017	0.0466	
9/18/2017	0.0436	
3/12/2018	0.041	
9/7/2018	0.039	
3/7/2019		0.033
9/5/2019		0.032
3/4/2020		0.029
9/4/2020		0.032

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	0.018	
5/19/2015	0.02	
5/26/2015	0.02	
6/9/2015	0.02	
6/17/2015	0.019	
6/25/2015	0.019	
7/1/2015	0.018	
7/7/2015	0.019	
8/12/2015	<0.02	
3/3/2016	0.0259	
5/9/2016	0.0236	
7/11/2016	0.0295	
9/9/2016	0.0259	
10/26/2016	0.0231	
1/9/2017	0.0273	
3/15/2017	0.0286	
5/18/2017	0.0253	
9/15/2017	0.0247	
3/13/2018	0.031	
9/7/2018	0.034	
3/7/2019		0.042
9/4/2019		0.033
3/4/2020		0.039
9/4/2020		0.033

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.069	
10/4/2014	0.057	
10/21/2014	0.056	
11/11/2014	0.05	
3/3/2015	0.045	
3/18/2015	0.044	
4/6/2015	0.045	
4/23/2015	0.041	
7/29/2015	0.043	
3/3/2016	0.0806 (D)	
5/10/2016	0.0495	
7/13/2016	0.0374	
9/15/2016	0.0542	
11/2/2016	0.0561	
1/11/2017	0.0401	
3/20/2017	0.0383	
5/23/2017	0.0376	
9/21/2017	0.0418	
3/14/2018	0.036	
9/7/2018	0.047	
3/11/2019		0.044
9/9/2019		0.03
3/4/2020		0.045
9/9/2020		0.051

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.019	
10/4/2014	0.02	
10/21/2014	0.02	
11/11/2014	0.021	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.02	
3/4/2016	0.0262 (Jo)	
5/10/2016	0.0204	
7/14/2016	0.0198	
9/14/2016	0.0183	
11/1/2016	0.0209	
1/11/2017	0.0194	
3/21/2017	0.0201	
5/23/2017	0.0199	
9/22/2017	0.0195	
3/14/2018	0.02	
9/11/2018	0.019	
3/12/2019		0.021
9/10/2019		0.019
3/5/2020		0.018
9/9/2020		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	0.035	
10/4/2014	0.038	
10/21/2014	0.034	
11/5/2014	0.04	
3/3/2015	0.033	
3/18/2015	0.031	
4/7/2015	0.038	
4/23/2015	0.031	
7/29/2015	0.045	
3/7/2016	<3 (o)	
5/5/2016	0.0278	
7/13/2016	0.0255	
9/13/2016	0.0251	
10/31/2016	0.0277	
1/12/2017	0.0258	
3/23/2017	0.0254	
5/23/2017	0.0247	
9/25/2017	0.0228	
3/14/2018	0.025	
9/11/2018	0.019	
3/12/2019		0.014
9/9/2019		0.028
3/6/2020		0.015
9/9/2020		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.015	
10/4/2014	<0.0013	
10/21/2014	0.027 (o)	
11/11/2014	0.028 (o)	
3/3/2015	0.034 (o)	
3/18/2015	0.014	
4/7/2015	0.017	
4/23/2015	0.013	
7/29/2015	0.013	
3/7/2016	0.0129	
5/5/2016	0.0149	
7/13/2016	0.0132	
9/12/2016	0.0142	
11/1/2016	0.0127	
1/11/2017	0.0146	
3/20/2017	0.0147	
5/22/2017	0.0146	
9/21/2017	0.0152	
3/14/2018	0.014	
9/7/2018	0.015	
3/12/2019		0.014
9/6/2019		0.014
3/5/2020		0.015
9/9/2020		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.018	
10/4/2014	0.017	
10/21/2014	0.017	
11/5/2014	0.017	
3/3/2015	0.016	
3/19/2015	0.015	
4/7/2015	0.017	
4/24/2015	0.015	
7/29/2015	0.016	
3/7/2016	<3 (o)	
5/9/2016	0.0162	
7/14/2016	0.0142	
9/12/2016	0.0154	
10/31/2016	0.015	
1/11/2017	0.0148	
3/21/2017	0.0159	
5/22/2017	0.0155	
9/20/2017	0.0164	
3/14/2018	0.016	
9/10/2018	0.016	
3/12/2019		0.016
9/9/2019		0.015
3/4/2020		0.017
9/9/2020		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.031	
10/5/2014	0.032	
10/22/2014	0.03	
11/5/2014	0.031	
3/4/2015	0.026	
3/19/2015	0.028	
4/7/2015	0.031	
4/24/2015	0.027	
7/30/2015	0.032	
3/8/2016	0.0298	
5/9/2016	0.0304	
7/14/2016	0.0307	
9/12/2016	0.0331	
10/31/2016	0.0321	
1/12/2017	0.0291	
3/22/2017	0.025	
5/22/2017	0.0276	
9/19/2017	0.034	
3/14/2018	0.03	
9/10/2018	0.028	
3/12/2019		0.03
9/6/2019		0.0275 (D)
3/5/2020		0.028
9/4/2020		0.033

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.023	
10/5/2014	0.025	
10/22/2014	0.025	
11/5/2014	0.025	
3/4/2015	0.024	
3/19/2015	0.024	
4/8/2015	0.027	
4/24/2015	0.025	
7/30/2015	0.025	
3/8/2016	0.0377	
5/9/2016	0.0347	
7/15/2016	0.0259	
9/9/2016	0.0242	
10/27/2016	0.0227	
1/12/2017	0.0253	
3/21/2017	0.0292	
5/23/2017	0.0282	
9/19/2017	0.0276	
3/14/2018	0.024	
9/10/2018	0.016	
3/11/2019		0.015
9/6/2019		0.041
3/3/2020		0.022
9/8/2020		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.057	
10/5/2014	0.052	
10/22/2014	0.052	
11/5/2014	<0.0013	
3/4/2015	0.046	
3/19/2015	0.045	
4/8/2015	0.045	
4/24/2015	0.039	
7/30/2015	0.039	
3/7/2016	0.026	
5/5/2016	0.0374	
7/14/2016	0.0271	
9/12/2016	0.045	
10/27/2016	0.0359	
1/13/2017	0.0338	
3/20/2017	0.033	
5/23/2017	0.0287	
9/19/2017	0.0389	
3/13/2018	0.028	
9/7/2018	0.055	
3/11/2019		0.048
9/5/2019		0.045
3/3/2020		0.044
9/8/2020		0.054

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.042	
10/5/2014	0.038	
10/22/2014	0.029	
11/5/2014	0.031	
3/4/2015	0.03	
3/20/2015	0.027	
4/8/2015	0.032	
4/23/2015	0.026	
7/30/2015	0.029	
3/9/2016	0.0284 (J)	
5/6/2016	0.0233	
7/15/2016	0.0208	
9/14/2016	0.0198	
11/1/2016	0.0207	
1/25/2017	0.0195	
3/22/2017	0.0211	
5/24/2017	0.0217	
9/21/2017	0.0226	
3/14/2018	0.024	
9/11/2018	0.023	
3/12/2019		0.022
9/6/2019		0.021
3/5/2020		0.022
9/9/2020		0.036

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.019	
10/4/2014	0.019	
10/23/2014	0.019	
11/10/2014	0.019	
3/4/2015	0.021	
3/20/2015	0.02	
4/8/2015	0.023	
4/23/2015	0.02	
7/30/2015	0.021	
3/4/2016	0.0422 (o)	
5/5/2016	0.0249	
7/12/2016	0.0246	
9/13/2016	0.0236	
10/27/2016	0.0229	
1/13/2017	0.0292	
3/20/2017	0.029	
5/19/2017	0.0295	
9/19/2017	0.0248	
3/13/2018	0.031	
9/11/2018	0.024	
3/8/2019		0.02
9/5/2019		0.021 (D)
3/3/2020		0.02
9/9/2020		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.015	
10/4/2014	0.015	
10/23/2014	0.015	
11/10/2014	0.015	
3/4/2015	0.016	
3/20/2015	0.015	
4/9/2015	0.016	
4/23/2015	0.015	
7/30/2015	0.015	
3/8/2016	0.0161	
5/4/2016	0.0167	
7/18/2016	0.0162	
9/13/2016	0.0161	
10/27/2016	0.016	
1/13/2017	0.015	
3/16/2017	0.0163	
5/19/2017	0.0164	
9/19/2017	0.0147	
3/13/2018	0.015	
9/11/2018	0.015	
3/8/2019		0.017
9/5/2019		0.016
3/3/2020		0.015
9/4/2020		0.016

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	0.00011 (J)	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	0.0001 (J)	
4/5/2015	0.00012 (J)	
4/21/2015	0.00033 (J)	
7/28/2015	0.00014 (J)	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/7/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.003	
1/5/2017	0.0001 (J)	
3/15/2017	0.0002 (J)	
5/17/2017	0.0002 (J)	
9/15/2017	0.0002 (J)	
3/12/2018	0.00017 (J)	
9/6/2018	0.00015 (J)	
3/6/2019		0.00029 (J)
9/4/2019		0.00016 (J)
3/2/2020		0.00024 (J)
9/3/2020		0.0002 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0032	
10/3/2014	<0.003	
10/20/2014	0.0014	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	8.3E-05 (J)	
4/5/2015	0.00038 (J)	
4/21/2015	0.0011 (J)	
7/28/2015	0.00092 (J)	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	0.0002 (J)	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	0.0001 (J)	
3/14/2017	0.0001 (J)	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	5.6E-05 (J)	
9/6/2018	<0.003	
3/7/2019		6.8E-05 (J)
9/4/2019		<0.003
3/2/2020		0.00015 (J)
9/14/2020		0.00012 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/22/2015	8.3E-05 (J)	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/6/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019		<0.003
9/4/2019		<0.003
3/2/2020		<0.003
9/3/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.003	
10/3/2014	8.3E-05 (J)	
10/20/2014	7.8E-05 (J)	
11/10/2014	8E-05 (J)	
3/2/2015	0.00034 (J)	
3/17/2015	0.00014 (J)	
4/6/2015	<0.003	
4/22/2015	7.8E-05 (J)	
7/28/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/25/2016	<0.003	
2/9/2017	<0.003	
3/23/2017	<0.003	
5/17/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019		<0.003
9/4/2019		<0.003 (D)
3/2/2020		<0.003
9/3/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.003	
5/17/2015	0.00022 (J)	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/18/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
5/4/2016	<0.003 (D)	
7/7/2016	<0.003 (D)	
9/8/2016	<0.003 (D)	
10/26/2016	<0.003 (D)	
1/6/2017	<0.003 (D)	
3/15/2017	<0.003 (D)	
5/18/2017	<0.003 (D)	
7/19/2017	<0.003 (D)	
9/19/2017	<0.003 (D)	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003
9/4/2019		<0.003
3/3/2020		<0.003
9/9/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.003	
5/18/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/17/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	<0.003	
7/6/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/8/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/8/2019		5.7E-05 (J)
9/5/2019		<0.003
3/4/2020		<0.003
9/8/2020		5.5E-05 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.003	
5/17/2015	<0.003	
5/25/2015	<0.003	
6/8/2015	<0.003	
6/18/2015	<0.003	
6/24/2015	<0.003	
6/30/2015	0.00014 (J)	
7/6/2015	<0.003	
8/12/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/7/2016	<0.003	
10/27/2016	<0.003	
1/6/2017	<0.003	
3/16/2017	<0.003	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/5/2019		<0.003
3/4/2020		<0.003
9/8/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.003	
5/18/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	0.00012 (J)	
8/12/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/8/2019		<0.003
9/5/2019		<0.003
3/3/2020		<0.003
9/4/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.003	
5/18/2015	0.00011 (J)	
5/26/2015	<0.003	
6/9/2015	0.00025 (J)	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	0.00024 (J)	
7/7/2015	<0.003	
8/12/2015	<0.003	
3/3/2016	<0.003	
5/3/2016	<0.003	
7/11/2016	<0.003	
9/9/2016	<0.003	
10/27/2016	<0.003	
1/9/2017	<0.003	
3/16/2017	<0.003	
5/18/2017	<0.003	
9/18/2017	<0.003	
3/12/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003
9/5/2019		<0.003
3/4/2020		<0.003
9/4/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.003	
5/19/2015	<0.003	
5/26/2015	<0.003	
6/9/2015	<0.003	
6/17/2015	<0.003	
6/25/2015	<0.003	
7/1/2015	<0.003	
7/7/2015	<0.003	
8/12/2015	<0.003	
3/3/2016	<0.003	
5/9/2016	<0.003	
7/11/2016	0.0001 (J)	
9/9/2016	<0.003	
10/26/2016	<0.003	
1/9/2017	<0.003	
3/15/2017	<0.003	
5/18/2017	<0.003	
9/15/2017	<0.003	
3/13/2018	<0.003	
9/7/2018	<0.003	
3/7/2019		<0.003
9/4/2019		<0.003
3/4/2020		<0.003
9/4/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	9E-05 (J)	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	7.8E-05 (J)	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019		<0.003
9/9/2019		<0.003
3/6/2020		<0.003
9/9/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	7.8E-05 (J)	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	<0.003	
5/22/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	0.00011 (J)	
9/7/2018	<0.003	
3/12/2019		<0.003
9/6/2019		<0.003
3/5/2020		0.00013 (J)
9/9/2020		0.0002 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/22/2017	<0.003	
9/20/2017	0.0001 (J)	
3/14/2018	6.5E-05 (J)	
9/10/2018	<0.003	
3/12/2019		<0.003
9/9/2019		<0.003
3/4/2020		0.00013 (J)
9/9/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	8.3E-05 (J)	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019		<0.003
9/6/2019		<0.003 (D)
3/5/2020		<0.003
9/4/2020		<0.003

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	0.00035 (J)	
10/3/2014	<0.0013	
10/20/2014	<0.0013	
11/10/2014	0.00033 (J)	
3/2/2015	<0.0013	
3/17/2015	0.00057 (J)	
4/5/2015	0.00068 (J)	
4/21/2015	0.0011 (J)	
7/28/2015	0.00073 (J)	
3/1/2016	0.00103	
5/2/2016	0.000846 (J)	
7/7/2016	0.0007 (J)	
9/7/2016	0.0007 (J)	
10/25/2016	0.0007 (J)	
1/5/2017	0.0008 (J)	
3/15/2017	0.0013	
5/17/2017	0.001	
9/15/2017	0.0011	
3/12/2018	0.0011	
9/6/2018	0.00086 (J)	
3/6/2019		0.0013
9/4/2019		0.00088 (J)
3/2/2020		0.0012 (J)
9/3/2020		0.00089 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.001 (J)	
10/3/2014	<0.001	
10/20/2014	0.00036 (J)	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/21/2015	0.00044 (J)	
7/28/2015	0.00027 (J)	
3/1/2016	0.000207 (J)	
5/2/2016	0.000154 (J)	
7/6/2016	0.0002 (J)	
9/7/2016	0.0002 (J)	
10/25/2016	0.0002 (J)	
1/5/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	0.0001 (J)	
9/15/2017	<0.001	
3/12/2018	0.00013 (J)	
9/6/2018	0.00011 (J)	
3/7/2019		0.00017 (J)
9/4/2019		0.00016 (J)
3/2/2020		0.00018 (J)
9/14/2020		0.00016 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.0025	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	0.00026 (J)	
3/2/2015	<0.0025	
3/17/2015	<0.0025	
4/5/2015	<0.0025	
4/22/2015	<0.0025	
7/28/2015	<0.0025	
3/1/2016	0.000103 (J)	
5/3/2016	<0.0025	
7/8/2016	<0.0025	
9/7/2016	<0.0025	
10/25/2016	<0.0025	
1/6/2017	<0.0025	
3/14/2017	<0.0025	
5/16/2017	<0.0025	
9/15/2017	<0.0025	
3/12/2018	<0.0025	
9/6/2018	<0.0025	
3/6/2019		9.3E-05 (J)
9/4/2019		<0.0025
3/2/2020		<0.0025
9/3/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.0025	
10/3/2014	<0.0025	
10/20/2014	<0.0025	
11/10/2014	<0.0025	
3/2/2015	0.00035 (J)	
3/17/2015	<0.0025	
4/6/2015	<0.0025	
4/22/2015	<0.0025	
7/28/2015	<0.0025	
3/2/2016	0.000109 (J)	
5/3/2016	<0.0025	
7/7/2016	<0.0025	
9/8/2016	0.0001 (J)	
10/25/2016	<0.0025	
2/9/2017	0.0001 (J)	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.0025	
3/13/2018	<0.0025	
9/6/2018	<0.0025	
3/7/2019		<0.0025
9/4/2019		<0.0025 (D)
3/2/2020		<0.0025
9/3/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.0025	
5/17/2015	0.00029 (J)	
5/25/2015	<0.0025	
6/8/2015	<0.0025	
6/18/2015	<0.0025	
6/24/2015	<0.0025	
6/30/2015	<0.0025	
7/6/2015	<0.0025	
8/12/2015	<0.0025	
5/4/2016	<0.0025 (D)	
7/7/2016	<0.0025 (D)	
9/8/2016	<0.0025 (D)	
10/26/2016	<0.0025 (D)	
1/6/2017	<0.0025 (D)	
3/15/2017	0.00055 (D)	
5/18/2017	<0.0025 (D)	
7/19/2017	<0.0025 (D)	
9/19/2017	<0.0025 (D)	
3/13/2018	<0.0025	
9/7/2018	<0.0025	
3/8/2019		<0.0025
9/4/2019		<0.0025
3/3/2020		<0.0025
9/9/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.0025	
10/4/2014	<0.0025	
10/21/2014	<0.0025	
11/5/2014	<0.0025	
3/3/2015	<0.0025	
3/18/2015	<0.0025	
4/7/2015	<0.0025	
4/23/2015	<0.0025	
7/29/2015	<0.0025	
3/7/2016	<0.0025	
5/5/2016	<0.0025	
7/13/2016	<0.0025	
9/13/2016	<0.0025	
10/31/2016	8E-05 (J)	
1/12/2017	<0.0025	
3/23/2017	<0.0025	
5/23/2017	<0.0025	
9/25/2017	<0.0025	
3/14/2018	<0.0025	
9/11/2018	<0.0025	
3/12/2019		<0.0025
9/9/2019		<0.0025
3/6/2020		<0.0025
9/9/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/8/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.0025	
5/9/2016	<0.0025	
7/15/2016	<0.0025	
9/9/2016	<0.0025	
10/27/2016	<0.0025	
1/12/2017	<0.0025	
3/21/2017	<0.0025	
5/23/2017	<0.0025	
9/19/2017	<0.0025	
3/14/2018	<0.0025	
9/10/2018	0.00021 (J)	
3/11/2019		<0.0025
9/6/2019		<0.0025
3/3/2020		<0.0025
9/8/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.0025	
10/5/2014	<0.0025	
10/22/2014	<0.0025	
11/5/2014	<0.0025	
3/4/2015	<0.0025	
3/19/2015	<0.0025	
4/8/2015	<0.0025	
4/24/2015	<0.0025	
7/30/2015	<0.0025	
3/7/2016	<0.0025	
5/5/2016	<0.0025	
7/14/2016	<0.0025	
9/12/2016	<0.0025	
10/27/2016	<0.0025	
1/13/2017	8E-05 (J)	
3/20/2017	<0.0025	
5/23/2017	<0.0025	
9/19/2017	<0.0025	
3/13/2018	<0.0025	
9/7/2018	<0.0025	
3/11/2019		<0.0025
9/5/2019		<0.0025
3/3/2020		<0.0025
9/8/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.0025	
10/4/2014	<0.0025	
10/23/2014	<0.0025	
11/10/2014	<0.0025	
3/4/2015	<0.0025	
3/20/2015	<0.0025	
4/9/2015	<0.0025	
4/23/2015	<0.0025	
7/30/2015	<0.0025	
3/8/2016	<0.0025	
5/4/2016	<0.0025	
7/18/2016	<0.0025	
9/13/2016	<0.0025	
10/27/2016	<0.0025	
1/13/2017	0.0001 (J)	
3/16/2017	<0.0025	
5/19/2017	<0.0025	
9/19/2017	<0.0025	
3/13/2018	<0.0025	
9/11/2018	<0.0025	
3/8/2019		<0.0025
9/5/2019		<0.0025
3/3/2020		<0.0025
9/4/2020		<0.0025

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/21/2015	0.0011 (J)	
7/28/2015	<0.01	
3/1/2016	<0.01	
5/2/2016	0.00385 (J)	
7/7/2016	0.0004 (J)	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/15/2017	0.0007 (J)	
5/17/2017	0.0004 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01
9/3/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0028	
10/3/2014	<0.01	
10/20/2014	0.0029	
11/10/2014	0.0017	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/21/2015	0.0018	
7/28/2015	0.0015	
3/1/2016	<0.01	
5/2/2016	<0.01	
7/6/2016	0.0005 (J)	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/5/2017	<0.01	
3/14/2017	0.0008 (J)	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.0013 (J)
3/2/2020		0.00047 (J)
9/14/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.0015	
10/3/2014	0.0015	
10/20/2014	0.0011 (J)	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/1/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	<0.01	
9/7/2016	<0.01	
10/25/2016	<0.01	
1/6/2017	<0.01	
3/14/2017	0.0006 (J)	
5/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01
9/3/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.0026	
10/3/2014	0.0021	
10/20/2014	0.0023	
11/10/2014	0.0022	
3/2/2015	0.0021	
3/17/2015	0.0022	
4/6/2015	0.0016	
4/22/2015	0.0013	
7/28/2015	0.0014	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/7/2016	0.002 (J)	
9/8/2016	0.001 (J)	
10/25/2016	0.0028 (J)	
2/9/2017	0.0012 (J)	
3/23/2017	<0.01	
5/17/2017	0.0019 (J)	
9/19/2017	0.0022 (J)	
3/13/2018	0.0017 (J)	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.00155 (JD)
3/2/2020		0.0014 (J)
9/3/2020		0.0013 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	0.036 (o)	
5/17/2015	0.029 (o)	
5/25/2015	0.029 (o)	
6/8/2015	0.015	
6/18/2015	0.016	
6/24/2015	0.02	
6/30/2015	0.02	
7/6/2015	0.015	
8/12/2015	0.0139	
5/4/2016	<0.01 (D)	
7/7/2016	0.0005 (JD)	
9/8/2016	<0.01 (D)	
10/26/2016	<0.01 (D)	
1/6/2017	<0.01 (D)	
3/15/2017	<0.01 (D)	
5/18/2017	<0.01 (D)	
7/19/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/4/2019		<0.01
3/3/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	0.0013	
6/18/2015	<0.01	
6/24/2015	0.0013	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
2/29/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	0.0014 (J)	
9/8/2016	<0.01	
10/26/2016	0.0011 (J)	
1/6/2017	0.0011 (J)	
3/15/2017	0.0014 (J)	
5/17/2017	0.0011 (J)	
9/15/2017	0.001 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.00096 (J)
3/2/2020		0.0011 (J)
9/3/2020		0.0011 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/17/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/8/2016	0.0007 (J)	
9/8/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.001 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0006 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.00065 (J)
3/4/2020		0.00076 (J)
9/8/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	<0.01	
9/7/2016	<0.01	
10/27/2016	<0.01	
1/6/2017	<0.01	
3/16/2017	0.0011 (J)	
5/19/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/5/2019		0.00055 (J)
3/4/2020		0.0012 (J)
9/8/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	0.0011 (J)	
6/9/2015	<0.01	
6/17/2015	0.0014	
6/25/2015	0.001 (J)	
7/1/2015	<0.01	
7/7/2015	0.0011 (J)	
8/12/2015	0.0011 (J)	
3/2/2016	<0.01	
5/4/2016	<0.01	
7/8/2016	0.0014 (J)	
9/8/2016	0.0015 (J)	
10/26/2016	0.0016 (J)	
1/9/2017	0.0013 (J)	
3/15/2017	0.0019 (J)	
5/18/2017	0.0012 (J)	
9/15/2017	0.0012 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/5/2019		0.0016 (J)
3/3/2020		0.0017 (J)
9/8/2020		0.0014 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/2/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	0.0006 (J)	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.0008 (J)	
5/18/2017	0.001 (J)	
9/15/2017	0.0007 (J)	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.00092 (J)
3/3/2020		0.00085 (J)
9/4/2020		0.0012 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	0.0017	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	0.0011 (J)	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/27/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	0.0018 (J)	
5/18/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/4/2020		0.00079 (J)
9/4/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
5/9/2016	<0.01	
7/11/2016	0.0005 (J)	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/15/2017	<0.01	
5/18/2017	0.0011 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.0014 (J)
3/4/2020		<0.01
9/4/2020		0.0012 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0033	
10/4/2014	0.0011 (J)	
10/21/2014	<0.01	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	0.001 (J)	
7/29/2015	<0.01	
3/3/2016	<0.01 (D)	
5/10/2016	<0.01	
7/13/2016	0.0008 (J)	
9/15/2016	<0.01	
11/2/2016	<0.01	
1/11/2017	0.0012 (J)	
3/20/2017	0.0013 (J)	
5/23/2017	0.0007 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/9/2019		<0.01
3/4/2020		0.0014 (J)
9/9/2020		0.00056 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0014	
3/3/2015	0.001 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
5/10/2016	<0.01	
7/14/2016	0.0035 (J)	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01	
5/23/2017	0.0021 (J)	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/10/2019		<0.01
3/5/2020		0.00063 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	0.0034	
10/21/2014	<0.01	
11/5/2014	0.0042	
3/3/2015	0.0038	
3/18/2015	0.0031	
4/7/2015	0.0037	
4/23/2015	0.0033	
7/29/2015	0.0033	
3/7/2016	<0.01 (o)	
5/5/2016	0.00385 (J)	
7/13/2016	0.0029 (J)	
9/13/2016	0.0029 (J)	
10/31/2016	0.0017 (J)	
1/12/2017	0.0025 (J)	
3/23/2017	<0.01 (o)	
5/23/2017	0.0029 (J)	
9/25/2017	0.0018 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	0.0017 (J)	
3/12/2019		<0.01
9/9/2019		0.001 (J)
3/6/2020		0.0019 (J)
9/9/2020		0.001 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.01	
10/4/2014	0.025 (o)	
10/21/2014	0.024 (o)	
11/11/2014	0.025 (o)	
3/3/2015	0.029 (o)	
3/18/2015	<0.01	
4/7/2015	0.008	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/13/2016	0.0006 (J)	
9/12/2016	<0.01	
11/1/2016	<0.01	
1/11/2017	<0.01	
3/20/2017	0.0005	
5/22/2017	0.0005	
9/21/2017	0.0008	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.00053 (J)
3/5/2020		0.0007 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.01	
10/4/2014	0.001 (J)	
10/21/2014	0.0011 (J)	
11/5/2014	0.001 (J)	
3/3/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
5/9/2016	<0.01	
7/14/2016	0.0005 (J)	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/11/2017	<0.01	
3/21/2017	<0.01	
5/22/2017	0.0005 (J)	
9/20/2017	0.0008 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/9/2019		0.00056 (J)
3/4/2020		0.001 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	0.001 (J)	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	0.001 (J)	
3/8/2016	<0.01	
5/9/2016	<0.01	
7/14/2016	0.0008 (J)	
9/12/2016	<0.01	
10/31/2016	<0.01	
1/12/2017	0.0011 (J)	
3/22/2017	<0.01	
5/22/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.00071 (JD)
3/5/2020		0.00075 (J)
9/4/2020		0.00078 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.001 (J)	
10/5/2014	0.0013	
10/22/2014	0.0016	
11/5/2014	0.0013	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	0.001 (J)	
7/30/2015	<0.01	
3/8/2016	<0.01	
5/9/2016	<0.01	
7/15/2016	<0.01	
9/9/2016	<0.01	
10/27/2016	<0.01	
1/12/2017	<0.01	
3/21/2017	<0.01	
5/23/2017	0.0004 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019		<0.01
9/6/2019		0.00078 (J)
3/3/2020		0.00058 (J)
9/8/2020		0.0013 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	0.0004 (J)	
5/23/2017	0.0005 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/5/2019		<0.01
3/3/2020		0.00057 (J)
9/8/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	0.0013	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0012 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
5/6/2016	<0.01	
7/15/2016	0.0005 (J)	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/25/2017	0.0023 (J)	
3/22/2017	<0.01	
5/24/2017	0.0011 (J)	
9/21/2017	0.0014 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01
3/5/2020		0.00086 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	<0.01	
5/5/2016	<0.01	
7/12/2016	<0.01	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/19/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01 (D)
3/3/2020		0.00052 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/9/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
5/4/2016	<0.01	
7/18/2016	0.0005 (J)	
9/13/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/16/2017	0.0008 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0007 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.00044 (J)
3/3/2020		0.00078 (J)
9/4/2020		0.00073 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.00055 (J)	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/7/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/15/2017	<0.005	
5/17/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005
9/3/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0039	
10/3/2014	<0.005	
10/20/2014	0.0014	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0012 (J)	
7/28/2015	0.0012 (J)	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005
9/14/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.00077 (J)	
10/3/2014	0.0013	
10/20/2014	0.001 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	0.00202 (J)	
5/3/2016	<0.005	
7/8/2016	0.0004 (J)	
9/7/2016	0.0009 (J)	
10/25/2016	0.0022 (J)	
1/6/2017	0.0011 (J)	
3/14/2017	0.0009 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005
9/3/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0029	
10/20/2014	0.0022	
11/10/2014	0.0022	
3/17/2015	0.0044	
4/6/2015	0.002	
4/22/2015	0.0016	
7/28/2015	0.0017	
3/2/2016	<0.01 (o)	
5/3/2016	<0.01 (o)	
7/7/2016	0.0015 (J)	
9/8/2016	0.0018 (J)	
10/25/2016	0.0019 (J)	
2/9/2017	0.0017 (J)	
3/23/2017	0.0018 (J)	
5/17/2017	0.0016 (J)	
9/19/2017	0.0012 (J)	
3/13/2018	0.0013 (J)	
9/6/2018	0.00094 (J)	
3/7/2019		0.00087 (J)
9/4/2019		0.000935 (JD)
3/2/2020		0.0011 (J)
9/3/2020		0.00091 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.005	
5/17/2015	0.00059 (J)	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
5/4/2016	<0.005 (D)	
7/7/2016	<0.005 (D)	
9/8/2016	<0.005 (D)	
10/26/2016	<0.005 (D)	
1/6/2017	<0.005 (D)	
3/15/2017	<0.005 (D)	
5/18/2017	<0.005 (D)	
7/19/2017	<0.005 (D)	
9/19/2017	<0.005 (D)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005
9/4/2019		<0.005
3/3/2020		<0.005
9/9/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	0.00057 (J)	
5/18/2015	0.00055 (J)	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	<0.005	
5/18/2017	<0.005	
9/15/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/5/2019		<0.005
3/3/2020		<0.005
9/8/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.0025	
5/18/2015	0.00071 (J)	
5/26/2015	0.00067 (J)	
6/9/2015	0.001 (J)	
6/17/2015	0.00093 (J)	
6/25/2015	0.00059 (J)	
7/1/2015	0.00059 (J)	
7/7/2015	0.00091 (J)	
8/13/2015	0.0006 (J)	
3/2/2016	0.00715 (J)	
5/3/2016	0.00349 (J)	
7/11/2016	0.0007 (J)	
9/9/2016	<0.0025	
10/26/2016	<0.0025	
1/9/2017	<0.0025	
3/16/2017	0.0006 (J)	
5/18/2017	<0.0025	
9/15/2017	<0.0025	
3/12/2018	0.0034 (J)	
9/7/2018	<0.0025	
3/8/2019		0.0044 (J)
9/5/2019		<0.0025
3/3/2020		0.0048 (J)
9/4/2020		0.0012 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	0.001 (J)	
5/26/2015	0.00052 (J)	
6/9/2015	0.00087 (J)	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	0.0006 (J)	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	0.001 (J)	
9/9/2016	0.0006 (J)	
10/27/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	<0.005	
5/18/2017	<0.005	
9/18/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005
9/5/2019		<0.005
3/4/2020		<0.005
9/4/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0026	
10/4/2014	0.0015	
10/21/2014	0.00099 (J)	
11/11/2014	0.00097 (J)	
3/3/2015	0.00078 (J)	
3/18/2015	0.00081 (J)	
4/6/2015	0.0011 (J)	
4/23/2015	0.0007 (J)	
7/29/2015	<0.005	
3/3/2016	0.00451 (JD)	
5/10/2016	0.00478 (J)	
7/13/2016	0.0003 (J)	
9/15/2016	0.0018 (J)	
11/2/2016	0.0022 (J)	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/23/2017	0.001 (J)	
9/21/2017	0.0006 (J)	
3/14/2018	0.00058 (J)	
9/7/2018	0.0034 (J)	
3/11/2019		<0.005
9/9/2019		<0.005
3/4/2020		<0.005
9/9/2020		0.00069 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	0.0005 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	0.00076 (J)	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/9/2019		<0.005
3/6/2020		<0.005
9/9/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00063 (J)	
10/21/2014	0.00058 (J)	
11/11/2014	0.00058 (J)	
3/3/2015	0.00056 (J)	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019		<0.005
9/6/2019		<0.005
3/5/2020		<0.005
9/9/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0183 (J)	
5/9/2016	0.00239 (J)	
7/15/2016	0.0008 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	0.0005 (J)	
5/23/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	0.00083 (J)	
9/10/2018	0.00071 (J)	
3/11/2019		0.00056 (J)
9/6/2019		0.00051 (J)
3/3/2020		<0.005
9/8/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/5/2019		0.0012 (J)
3/3/2020		0.00078 (J)
9/8/2020		0.00087 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.0006 (J)	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	<0.005	
5/19/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		<0.005
3/3/2020		<0.005
9/4/2020		0.0012 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.025	
10/3/2014	<0.025	
10/20/2014	<0.025	
11/10/2014	<0.025	
3/2/2015	<0.025	
3/17/2015	<0.025	
4/5/2015	<0.025	
4/21/2015	0.00095 (J)	
7/28/2015	<0.025	
3/1/2016	<0.025	
7/7/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/6/2018	<0.025	
3/6/2019		<0.025
9/4/2019		0.00023 (J)
3/2/2020		<0.025
9/3/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0049 (J)	
10/3/2014	<0.025	
10/20/2014	0.0024 (J)	
11/10/2014	<0.025	
3/2/2015	<0.025	
3/17/2015	<0.025	
4/5/2015	<0.025	
4/21/2015	0.0017 (J)	
7/28/2015	0.00097 (J)	
3/1/2016	<0.025	
7/6/2016	<0.025	
3/14/2017	0.0003 (J)	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025
9/4/2019		<0.025
3/2/2020		0.00043 (J)
9/14/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.021	
10/20/2014	0.022	
11/10/2014	0.02	
3/2/2015	0.015	
3/17/2015	0.016	
4/5/2015	0.016	
4/22/2015	0.013	
7/28/2015	0.02	
3/1/2016	0.0103 (J)	
7/8/2016	0.0152 (J)	
3/14/2017	0.0085 (J)	
9/15/2017	0.0058 (J)	
3/12/2018	0.0053 (J)	
9/6/2018	0.0054 (J)	
3/6/2019		<0.025
9/4/2019		0.0082 (J)
3/2/2020		0.0068 (J)
9/3/2020		0.0067 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.025	
10/3/2014	0.00089 (J)	
10/20/2014	0.00087 (J)	
11/10/2014	<0.025	
3/2/2015	0.004 (J)	
3/17/2015	0.0016 (J)	
4/6/2015	0.00083 (J)	
4/22/2015	0.00085 (J)	
7/28/2015	<0.025	
3/2/2016	<0.025	
7/7/2016	<0.025	
3/23/2017	<0.025	
9/19/2017	0.0004 (J)	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025
9/4/2019		<0.025 (D)
3/2/2020		0.00019 (J)
9/3/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.025	
5/17/2015	0.0015 (J)	
5/25/2015	<0.025	
6/8/2015	<0.025	
6/18/2015	<0.025	
6/24/2015	0.0012 (J)	
6/30/2015	0.00096 (J)	
7/6/2015	0.00091 (J)	
8/12/2015	<0.025	
7/7/2016	0.0066 (JD)	
3/15/2017	<0.025 (D)	
9/19/2017	<0.025 (D)	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/8/2019		<0.025
9/4/2019		<0.025
3/3/2020		0.00041 (J)
9/9/2020		0.0019 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.025	
5/17/2015	<0.025	
5/25/2015	<0.025	
6/8/2015	<0.025	
6/18/2015	<0.025	
6/24/2015	0.00082 (J)	
6/30/2015	<0.025	
7/6/2015	<0.025	
8/12/2015	<0.025	
2/29/2016	<0.025	
7/8/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	<0.025	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025
9/4/2019		<0.025
3/2/2020		0.00024 (J)
9/3/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.025	
5/18/2015	<0.025	
5/25/2015	<0.025	
6/8/2015	<0.025	
6/17/2015	<0.025	
6/24/2015	<0.025	
6/30/2015	<0.025	
7/6/2015	<0.025	
8/12/2015	<0.025	
3/2/2016	<0.025	
7/8/2016	<0.025	
3/16/2017	<0.025	
9/19/2017	0.0003 (J)	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/8/2019		<0.025
9/5/2019		<0.025
3/4/2020		0.00053 (J)
9/8/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.025	
5/17/2015	<0.025	
5/25/2015	<0.025	
6/8/2015	<0.025	
6/18/2015	<0.025	
6/24/2015	<0.025	
6/30/2015	0.00093 (J)	
7/6/2015	<0.025	
8/12/2015	<0.025	
3/2/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025	
9/19/2017	0.0003 (J)	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025
9/5/2019		<0.025
3/4/2020		<0.025
9/8/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.025	
5/18/2015	<0.025	
5/25/2015	<0.025	
6/9/2015	<0.025	
6/17/2015	<0.025	
6/25/2015	<0.025	
7/1/2015	<0.025	
7/7/2015	<0.025	
8/12/2015	<0.025	
3/2/2016	<0.025	
7/8/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	0.0007 (J)	
3/13/2018	<0.025	
9/6/2018	<0.025	
3/7/2019		<0.025
9/5/2019		<0.025
3/3/2020		0.00025 (J)
9/8/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.025	
5/18/2015	<0.025	
5/26/2015	<0.025	
6/9/2015	<0.025	
6/17/2015	<0.025	
6/25/2015	<0.025	
7/1/2015	<0.025	
7/7/2015	0.0011 (J)	
8/13/2015	<0.025	
3/2/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025	
9/15/2017	<0.025	
3/12/2018	<0.025	
9/7/2018	<0.025	
3/8/2019		<0.025
9/5/2019		<0.025
3/3/2020		<0.025
9/4/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.025	
5/18/2015	0.00093 (J)	
5/26/2015	<0.025	
6/9/2015	0.0014 (J)	
6/17/2015	<0.025	
6/25/2015	<0.025	
7/1/2015	0.0014 (J)	
7/7/2015	<0.025	
8/13/2015	<0.025	
3/3/2016	<0.025	
7/11/2016	<0.025	
3/16/2017	<0.025	
9/18/2017	<0.025	
3/12/2018	<0.025	
9/7/2018	<0.025	
3/7/2019		<0.025
9/5/2019		<0.025
3/4/2020		<0.025
9/4/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.025	
5/19/2015	<0.025	
5/26/2015	<0.025	
6/9/2015	<0.025	
6/17/2015	<0.025	
6/25/2015	<0.025	
7/1/2015	<0.025	
7/7/2015	<0.025	
8/13/2015	<0.025	
3/3/2016	<0.025	
7/11/2016	<0.025	
3/15/2017	<0.025	
9/15/2017	0.002 (J)	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/7/2019		<0.025
9/4/2019		0.00047 (J)
3/4/2020		0.0003 (J)
9/4/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0042 (J)	
10/4/2014	0.0024 (J)	
10/21/2014	0.002 (J)	
11/11/2014	0.0021 (J)	
3/3/2015	0.0017 (J)	
3/18/2015	0.0019 (J)	
4/6/2015	0.0014 (J)	
4/23/2015	0.0022 (J)	
7/29/2015	0.00098 (J)	
3/3/2016	<0.025 (D)	
7/13/2016	0.0022 (J)	
3/20/2017	0.002 (J)	
9/21/2017	0.0018 (J)	
3/14/2018	0.0017 (J)	
9/7/2018	<0.025	
3/11/2019		<0.025
9/9/2019		0.00082 (J)
3/4/2020		0.0024 (J)
9/9/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.025	
10/4/2014	0.0012 (J)	
10/21/2014	0.0011 (J)	
11/11/2014	0.0015 (J)	
3/3/2015	0.0012 (J)	
3/18/2015	<0.025	
4/6/2015	0.00083 (J)	
4/23/2015	0.0012 (J)	
7/29/2015	<0.025	
3/4/2016	<0.025	
7/14/2016	0.0124 (J)	
3/21/2017	0.0005 (J)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025
9/10/2019		<0.025
3/5/2020		0.00023 (J)
9/9/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.025	
10/4/2014	<0.025	
10/21/2014	<0.025	
11/5/2014	<0.025	
3/3/2015	<0.025	
3/18/2015	<0.025	
4/7/2015	<0.025	
4/23/2015	<0.025	
7/29/2015	<0.025	
3/7/2016	<0.025	
7/13/2016	<0.025	
3/23/2017	<0.025	
9/25/2017	<0.025	
3/14/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025
9/9/2019		<0.025
3/6/2020		0.00023 (J)
9/9/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.025	
10/4/2014	0.00086 (J)	
10/21/2014	<0.025	
11/11/2014	<0.025	
3/3/2015	<0.025	
3/18/2015	<0.025	
4/7/2015	<0.025	
4/23/2015	<0.025	
7/29/2015	<0.025	
3/7/2016	<0.025	
7/13/2016	<0.025	
3/20/2017	<0.025	
9/21/2017	0.0003 (J)	
3/14/2018	<0.025	
9/7/2018	<0.025	
3/12/2019		<0.025
9/6/2019		<0.025
3/5/2020		<0.025
9/9/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.025	
10/4/2014	<0.025	
10/21/2014	<0.025	
11/5/2014	<0.025	
3/3/2015	<0.025	
3/19/2015	<0.025	
4/7/2015	<0.025	
4/24/2015	<0.025	
7/29/2015	<0.025	
3/7/2016	<0.025	
7/14/2016	<0.025	
3/21/2017	0.0006 (J)	
9/20/2017	0.0003 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/12/2019		<0.025
9/9/2019		<0.025
3/4/2020		0.00036 (J)
9/9/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.025	
10/5/2014	<0.025	
10/22/2014	<0.025	
11/5/2014	<0.025	
3/4/2015	<0.025	
3/19/2015	<0.025	
4/7/2015	<0.025	
4/24/2015	<0.025	
7/30/2015	<0.025	
3/8/2016	<0.025	
7/14/2016	<0.025	
3/22/2017	<0.025	
9/19/2017	0.0008 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/12/2019		<0.025
9/6/2019		<0.025 (D)
3/5/2020		<0.025
9/4/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.025	
10/5/2014	0.0016 (J)	
10/22/2014	0.0018 (J)	
11/5/2014	0.0015 (J)	
3/4/2015	<0.025	
3/19/2015	<0.025	
4/8/2015	<0.025	
4/24/2015	0.0016 (J)	
7/30/2015	<0.025	
3/8/2016	<0.025	
7/15/2016	0.0009 (J)	
3/21/2017	0.0009 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.025	
9/10/2018	<0.025	
3/11/2019		<0.025
9/6/2019		0.01 (J)
3/3/2020		0.00049 (J)
9/8/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.025	
10/5/2014	<0.025	
10/22/2014	<0.025	
11/5/2014	<0.025	
3/4/2015	<0.025	
3/19/2015	<0.025	
4/8/2015	<0.025	
4/24/2015	<0.025	
7/30/2015	<0.025	
3/7/2016	<0.025	
7/14/2016	<0.025	
3/20/2017	0.0012 (J)	
9/19/2017	<0.025	
3/13/2018	<0.025	
9/7/2018	<0.025	
3/11/2019		<0.025
9/5/2019		<0.025
3/3/2020		0.00022 (J)
9/8/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.025	
10/5/2014	<0.025	
10/22/2014	<0.025	
11/5/2014	0.001 (J)	
3/4/2015	0.0014 (J)	
3/20/2015	<0.025	
4/8/2015	0.0014 (J)	
4/23/2015	<0.025	
7/30/2015	<0.025	
3/9/2016	<0.025	
7/15/2016	<0.025	
3/22/2017	0.0005 (J)	
9/21/2017	0.0005 (J)	
3/14/2018	<0.025	
9/11/2018	<0.025	
3/12/2019		<0.025
9/6/2019		0.00037 (J)
3/5/2020		0.0003 (J)
9/9/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.025	
10/4/2014	<0.025	
10/23/2014	<0.025	
11/10/2014	<0.025	
3/4/2015	<0.025	
3/20/2015	<0.025	
4/8/2015	<0.025	
4/23/2015	0.0011 (J)	
7/30/2015	<0.025	
3/4/2016	<0.025	
7/12/2016	<0.025	
3/20/2017	0.0003 (J)	
9/19/2017	<0.025	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/8/2019		<0.025
9/5/2019		0.001 (JD)
3/3/2020		0.00097 (J)
9/9/2020		0.0017 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.025	
10/4/2014	<0.025	
10/23/2014	<0.025	
11/10/2014	<0.025	
3/4/2015	<0.025	
3/20/2015	<0.025	
4/9/2015	<0.025	
4/23/2015	<0.025	
7/30/2015	<0.025	
3/8/2016	<0.025	
7/18/2016	<0.025	
3/16/2017	<0.025	
9/19/2017	<0.025	
3/13/2018	<0.025	
9/11/2018	<0.025	
3/8/2019		<0.025
9/5/2019		<0.025
3/3/2020		0.00027 (J)
9/4/2020		<0.025

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0025 (J)	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/7/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.005	
1/5/2017	0.0001 (J)	
3/15/2017	0.0002 (J)	
5/17/2017	8E-05 (J)	
9/15/2017	0.0003 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		7.6E-05 (J)
3/2/2020		5.2E-05 (J)
9/3/2020		0.00012 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0069 (J)	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0004 (J)	
9/7/2016	<0.005	
10/25/2016	0.0001 (J)	
1/5/2017	0.0002 (J)	
3/14/2017	0.0003 (J)	
5/16/2017	<0.005	
9/15/2017	8E-05 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/2/2020		0.00031 (J)
9/14/2020		0.00065 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0001 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019		<0.005
9/4/2019		<0.005
3/2/2020		<0.005
9/3/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	0.0047 (J)	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	0.0001 (J)	
9/8/2016	0.0001 (J)	
10/25/2016	0.0002 (J)	
2/9/2017	<0.005	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005 (D)
3/2/2020		<0.005
9/3/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
5/4/2016	<0.005 (D)	
7/7/2016	0.0002 (JD)	
9/8/2016	<0.005 (D)	
10/26/2016	<0.005 (D)	
1/6/2017	<0.005 (D)	
3/15/2017	<0.005 (D)	
5/18/2017	<0.005 (D)	
7/19/2017	<0.005 (D)	
9/19/2017	<0.005 (D)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005
9/4/2019		<0.005
3/3/2020		5.1E-05 (J)
9/9/2020		8.9E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/17/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	0.0002 (J)	
9/8/2016	0.0002 (J)	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	0.0001 (J)	
5/19/2017	9E-05 (J)	
9/19/2017	0.0001 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		8E-05 (J)
3/4/2020		0.00016 (J)
9/8/2020		0.00012 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.005	
5/17/2015	<0.005	
5/25/2015	<0.005	
6/8/2015	<0.005	
6/18/2015	<0.005	
6/24/2015	<0.005	
6/30/2015	<0.005	
7/6/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/7/2016	<0.005	
10/27/2016	<0.005	
1/6/2017	<0.005	
3/16/2017	5E-05 (J)	
5/19/2017	0.0001 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/5/2019		8.3E-05 (J)
3/4/2020		6.6E-05 (J)
9/8/2020		0.0006 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.005	
5/18/2015	<0.005	
5/25/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/12/2015	<0.005	
3/2/2016	<0.005	
5/4/2016	<0.005	
7/8/2016	<0.005	
9/8/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	<0.005	
5/18/2017	<0.005	
9/15/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019		<0.005
9/5/2019		<0.005
3/3/2020		4.8E-05 (J)
9/8/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	<0.005	
9/9/2016	<0.005	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/16/2017	7E-05 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/8/2019		<0.005
9/5/2019		<0.005
3/3/2020		4.8E-05 (J)
9/4/2020		0.0001 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.005	
5/18/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/3/2016	<0.005	
7/11/2016	0.0001 (J)	
9/9/2016	<0.005	
10/27/2016	0.0001 (J)	
1/9/2017	<0.005	
3/16/2017	0.0001 (J)	
5/18/2017	7E-05 (J)	
9/18/2017	<0.005	
3/12/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005
9/5/2019		<0.005
3/4/2020		<0.005
9/4/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.005	
5/19/2015	<0.005	
5/26/2015	<0.005	
6/9/2015	<0.005	
6/17/2015	<0.005	
6/25/2015	<0.005	
7/1/2015	<0.005	
7/7/2015	<0.005	
8/13/2015	<0.005	
3/3/2016	<0.005	
5/9/2016	<0.005	
7/11/2016	0.0003 (J)	
9/9/2016	0.0001 (J)	
10/26/2016	<0.005	
1/9/2017	<0.005	
3/15/2017	0.0001 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	0.0001 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/7/2019		<0.005
9/4/2019		<0.005
3/4/2020		5E-05 (J)
9/4/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	<0.005 (D)	
5/10/2016	<0.005	
7/13/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/11/2017	0.0001 (J)	
3/20/2017	<0.005	
5/23/2017	8E-05 (J)	
9/21/2017	9E-05 (J)	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019		<0.005
9/9/2019		<0.005
3/4/2020		<0.005
9/9/2020		0.00017 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	0.0006 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/10/2019		<0.005
3/5/2020		<0.005
9/9/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	0.0001 (J)	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	0.0002 (J)	
3/23/2017	0.0002 (J)	
5/23/2017	0.0002 (J)	
9/25/2017	8E-05 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/9/2019		5E-05 (J)
3/6/2020		0.00013 (J)
9/9/2020		6E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	0.0002 (J)	
11/1/2016	0.0001 (J)	
1/11/2017	<0.005	
3/20/2017	7E-05 (J)	
5/22/2017	<0.005	
9/21/2017	0.0003 (J)	
3/14/2018	0.00035 (J)	
9/7/2018	<0.005	
3/12/2019		<0.005
9/6/2019		<0.005
3/5/2020		0.00032 (J)
9/9/2020		0.00025 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:00 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	9E-05 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	7E-05 (J)	
5/22/2017	<0.005	
9/20/2017	0.0004 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019		<0.005
9/9/2019		<0.005
3/4/2020		0.0003 (J)
9/9/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/15/2016	<0.005	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	6E-05 (J)	
5/23/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019		<0.005
9/6/2019		0.0016 (J)
3/3/2020		<0.005
9/8/2020		6.7E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	0.0001 (J)	
3/20/2017	7E-05 (J)	
5/23/2017	<0.005	
9/19/2017	0.0001 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019		<0.005
9/5/2019		<0.005
3/3/2020		5.9E-05 (J)
9/8/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0001 (J)	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019		<0.005
9/6/2019		6.8E-05 (J)
3/5/2020		5.2E-05 (J)
9/9/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.005	
5/5/2016	<0.005	
7/12/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0001 (J)	
5/19/2017	<0.005	
9/19/2017	0.0002 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		<0.005
9/5/2019		9.05E-05 (JD)
3/3/2020		5.7E-05 (J)
9/9/2020		0.0001 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	0.0001 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0003 (J)	
5/19/2017	0.0001 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019		0.00035 (J)
9/5/2019		6E-05 (J)
3/3/2020		5.9E-05 (J)
9/4/2020		0.00012 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intravel
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.0005	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	5.8E-05 (J)	
3/2/2015	2.04E-05 (J)	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/21/2015	<0.0005	
7/28/2015	2.13E-05 (J)	
3/1/2016	<0.0005	
5/2/2016	<0.0005	
7/7/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/5/2017	<0.0005	
3/15/2017	<0.0005	
5/17/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019		<0.0005
9/4/2019		<0.0005
3/2/2020		<0.0005
9/3/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intravel

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.000172 (J)	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	3.84E-05 (J)	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/21/2015	2.39E-05 (J)	
7/28/2015	5.2E-05 (J)	
3/1/2016	<0.0005	
5/2/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/5/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019		<0.0005
9/4/2019		<0.0005
3/2/2020		<0.0005
9/14/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	4.23E-05 (J)	
10/3/2014	<0.0005	
10/20/2014	3.87E-05 (J)	
11/10/2014	3.34E-05 (J)	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/1/2016	<0.0005	
5/3/2016	<0.0005	
7/8/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/6/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019		<0.0005
9/4/2019		<0.0005
3/2/2020		<0.0005
9/3/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	2.75E-05 (J)	
10/3/2014	<0.0005	
10/20/2014	4.07E-05 (J)	
11/10/2014	6.86E-05 (J)	
3/2/2015	3.07E-05 (J)	
3/17/2015	<0.0005	
4/6/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/2/2016	<0.0005	
5/3/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/25/2016	<0.0005	
2/9/2017	<0.0005	
3/23/2017	<0.0005	
5/17/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019		<0.0005
9/4/2019		<0.0005 (D)
3/2/2020		<0.0005
9/3/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.0005	
5/17/2015	0.000101 (J)	
5/25/2015	4.88E-05 (J)	
6/8/2015	<0.0005	
6/18/2015	4.1E-05 (J)	
6/24/2015	8.41E-05 (J)	
6/30/2015	<0.0005	
7/6/2015	<0.0005	
8/12/2015	4.91E-05 (J)	
5/4/2016	<0.0005 (D)	
7/7/2016	<0.0005 (D)	
9/8/2016	<0.0005 (D)	
10/26/2016	<0.0005 (D)	
1/6/2017	<0.0005 (D)	
3/15/2017	<0.0005 (D)	
5/18/2017	<0.0005 (D)	
7/19/2017	<0.0005 (D)	
9/19/2017	<0.0005 (D)	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/8/2019		<0.0005
9/4/2019		<0.0005
3/3/2020		<0.0005
9/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intravel

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	2.69E-05 (J)	
10/4/2014	<0.0005	
10/21/2014	3.18E-05 (J)	
11/11/2014	<0.0005	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/6/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/3/2016	<0.0005 (D)	
5/10/2016	<0.0005	
7/13/2016	<0.0005	
9/15/2016	<0.0005	
11/2/2016	<0.0005	
1/11/2017	<0.0005	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019		<0.0005
9/9/2019		<0.0005
3/4/2020		<0.0005
9/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	2.97E-05 (J)	
10/4/2014	<0.0005	
10/21/2014	5.02E-05 (J)	
11/11/2014	3.66E-05 (J)	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/6/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/4/2016	<0.0005	
5/10/2016	<0.0005	
7/14/2016	<0.0005	
9/14/2016	<0.0005	
11/1/2016	<0.0005	
1/11/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/22/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005
9/10/2019		<0.0005
3/5/2020		<0.0005
9/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrainwell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	4.24E-05 (J)	
10/4/2014	2.5E-05 (J)	
10/21/2014	6.4E-05 (J)	
11/5/2014	7.02E-05 (J)	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/7/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	3.14E-05 (J)	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/13/2016	<0.0005	
10/31/2016	<0.0005	
1/12/2017	<0.0005	
3/23/2017	<0.0005	
5/23/2017	<0.0005	
9/25/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005
9/9/2019		<0.0005
3/6/2020		<0.0005
9/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Indrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	3.5E-05 (J)	
10/4/2014	<0.0005	
10/21/2014	5.35E-05 (J)	
11/11/2014	4.64E-05 (J)	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/7/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/12/2016	<0.0005	
11/1/2016	<0.0005	
1/11/2017	<0.0005	
3/20/2017	<0.0005	
5/22/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/7/2018	<0.0005	
3/12/2019		<0.0005
9/6/2019		<0.0005
3/5/2020		<0.0005
9/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrainwell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	4.15E-05 (J)	
10/4/2014	<0.0005	
10/21/2014	5.89E-05 (J)	
11/5/2014	7.28E-05 (J)	
3/3/2015	<0.0005	
3/19/2015	<0.0005	
4/7/2015	<0.0005	
4/24/2015	<0.0005	
7/29/2015	<0.0005	
3/7/2016	<0.0005	
5/9/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/31/2016	<0.0005	
1/11/2017	<0.0005	
3/21/2017	<0.0005	
5/22/2017	<0.0005	
9/20/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/12/2019		<0.0005
9/9/2019		<0.0005
3/4/2020		<0.0005
9/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrainwell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	5.34E-05 (J)	
10/5/2014	<0.0005	
10/22/2014	4.88E-05 (J)	
11/5/2014	2.85E-05 (J)	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/7/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/9/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/31/2016	<0.0005	
1/12/2017	<0.0005	
3/22/2017	<0.0005	
5/22/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/12/2019		<0.0005
9/6/2019		<0.0005 (D)
3/5/2020		<0.0005
9/4/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intravel

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0005	
10/5/2014	<0.0005	
10/22/2014	2.57E-05 (J)	
11/5/2014	<0.0005	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/9/2016	<0.0005	
7/15/2016	<0.0005	
9/9/2016	<0.0005	
10/27/2016	<0.0005	
1/12/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	<0.0005	
3/11/2019		<0.0005
9/6/2019		<0.0005
3/3/2020		<0.0005
9/8/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intravel

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	2.54E-05 (J)	
10/5/2014	<0.0005	
10/22/2014	2.83E-05 (J)	
11/5/2014	0.0002	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019		<0.0005
9/5/2019		<0.0005
3/3/2020		<0.0005
9/8/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrainwell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	2.82E-05 (J)	
10/5/2014	<0.0005	
10/22/2014	<0.0005	
11/5/2014	4.83E-05 (J)	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/8/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/9/2016	<0.0005	
5/6/2016	<0.0005	
7/15/2016	<0.0005	
9/14/2016	<0.0005	
11/1/2016	<0.0005	
1/25/2017	<0.0005	
3/22/2017	<0.0005	
5/24/2017	<0.0005	
9/21/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019		<0.0005
9/6/2019		<0.0005
3/5/2020		<0.0005
9/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intravel

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	2.81E-05 (J)	
10/4/2014	<0.0005	
10/23/2014	<0.0005	
11/10/2014	5.15E-05 (J)	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/8/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/4/2016	<0.0005	
5/5/2016	<0.0005	
7/12/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/20/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019		<0.0005
9/5/2019		<0.0005 (D)
3/3/2020		<0.0005
9/9/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrainwell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	3.13E-05 (J)	
10/4/2014	<0.0005	
10/23/2014	4.6E-05 (J)	
11/10/2014	2.5E-05 (J)	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/9/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/4/2016	<0.0005	
7/18/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	<0.0005	
3/16/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019		<0.0005
9/5/2019		<0.0005
3/3/2020		<0.0005
9/4/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/21/2015	0.0014 (J)	
7/28/2015	<0.01	
3/1/2016	<0.01	
7/7/2016	<0.01	
3/15/2017	0.0142	
9/15/2017	0.0005 (J)	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01
9/4/2019		0.00041 (J)
3/2/2020		0.00071 (J)
9/3/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.01	
10/3/2014	<0.01	
10/20/2014	0.0043	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	0.0016 (J)	
4/21/2015	0.0033	
7/28/2015	0.0032	
3/1/2016	<0.01	
7/6/2016	0.0007 (J)	
3/14/2017	0.0007 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/2/2020		0.00051 (J)
9/14/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.022	
10/20/2014	0.022	
11/10/2014	0.018	
3/2/2015	0.016	
3/17/2015	0.015	
4/5/2015	0.016	
4/22/2015	0.016	
7/28/2015	0.018	
3/1/2016	0.0138	
7/8/2016	0.014	
3/14/2017	0.0087 (J)	
9/15/2017	0.0053 (J)	
3/12/2018	0.0054 (J)	
9/6/2018	0.0069 (J)	
3/6/2019		<0.01
9/4/2019		0.0059 (J)
3/2/2020		0.0079 (J)
9/3/2020		0.0096 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0036	
10/20/2014	0.0025	
11/10/2014	0.0026	
3/2/2015	0.017	
3/17/2015	0.0057	
4/6/2015	0.0022 (J)	
4/22/2015	0.0015 (J)	
7/28/2015	0.0015 (J)	
3/2/2016	<0.01	
7/7/2016	0.0014 (J)	
3/23/2017	<0.01	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.000825 (JD)
3/2/2020		0.001 (J)
9/3/2020		0.00089 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.01	
5/17/2015	0.0016 (J)	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
7/7/2016	0.0008 (JD)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/4/2019		<0.01
3/3/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	0.0005 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01
9/3/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/17/2015	<0.01	
6/24/2015	0.0034	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/16/2017	0.0005 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01
9/8/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	<0.01	
6/9/2015	0.0015 (J)	
6/17/2015	0.0013 (J)	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	<0.01	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	0.0005 (J)	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/3/2020		<0.01
9/8/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	0.0008 (J)	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/3/2020		0.00061 (J)
9/4/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	0.0018 (J)	
5/26/2015	<0.01	
6/9/2015	0.0022 (J)	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	0.0016 (J)	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
7/11/2016	0.0007 (J)	
3/16/2017	0.0015 (J)	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01
9/4/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
7/11/2016	0.0006 (J)	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/4/2020		<0.01
9/4/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.03	
10/4/2014	0.029	
10/21/2014	0.026	
11/11/2014	0.023	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.018	
3/3/2016	0.0111 (D)	
7/13/2016	0.0133	
3/20/2017	0.0111	
9/21/2017	0.0092 (J)	
3/14/2018	0.0094 (J)	
9/7/2018	0.0086 (J)	
3/11/2019		<0.01
9/9/2019		0.0066 (J)
3/4/2020		0.0032 (J)
9/9/2020		0.0067 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	0.0016 (J)	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	0.0014 (J)	
4/23/2015	<0.01	
7/29/2015	0.0015 (J)	
3/7/2016	<0.01	
7/13/2016	0.0007 (J)	
3/23/2017	<0.01	
9/25/2017	0.0015 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/9/2019		<0.01
3/6/2020		0.0005 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	0.0006 (J)	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/9/2019		<0.01
3/4/2020		0.00071 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.0013 (J)	
11/5/2014	0.0013 (J)	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	0.0014 (J)	
4/24/2015	0.0014 (J)	
7/30/2015	<0.01	
3/8/2016	0.0261 (o)	
7/15/2016	0.0021 (J)	
3/21/2017	<0.01	
9/19/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/10/2018	0.002 (J)	
3/11/2019		<0.01
9/6/2019		0.0028 (J)
3/3/2020		0.00099 (J)
9/8/2020		0.0014 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/5/2019		0.0011 (J)
3/3/2020		0.001 (J)
9/8/2020		0.00083 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	0.0012 (J)	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.00086 (J)
3/5/2020		0.00075 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	<0.01	
7/12/2016	<0.01	
3/20/2017	0.0003 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01 (D)
3/3/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/9/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/18/2016	<0.01	
3/16/2017	0.0012 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/3/2020		<0.01
9/4/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	<0.01	
5/4/2016	0.00982 (JD)	
7/7/2016	0.01 (D)	
9/8/2016	0.0046 (JD)	
10/26/2016	0.0071 (JD)	
1/6/2017	0.0099 (JD)	
3/15/2017	0.0056 (JD)	
5/18/2017	0.0064 (JD)	
7/19/2017	<0.01 (D)	
9/19/2017	0.0029 (JD)	
3/13/2018	0.005 (J)	
9/7/2018	0.01	
3/8/2019		0.0052 (J)
9/4/2019		0.01
3/3/2020		0.0053 (J)
9/9/2020		0.0059 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/2/2016	0.00234 (J)	
5/3/2016	0.00241 (J)	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	<0.01	
5/18/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	0.0018 (J)	
9/7/2018	<0.01	
3/8/2019		0.0026 (J)
9/5/2019		<0.01
3/3/2020		0.0025 (J)
9/4/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
5/3/2016	<0.01	
7/11/2016	0.0011 (J)	
9/9/2016	0.001 (J)	
10/27/2016	<0.01	
1/9/2017	<0.01	
3/16/2017	<0.01	
5/18/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		0.0016 (J)
9/5/2019		<0.01
3/4/2020		0.0018 (J)
9/4/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	<0.01	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/13/2015	<0.01	
3/3/2016	<0.01	
5/9/2016	<0.01	
7/11/2016	<0.01	
9/9/2016	<0.01	
10/26/2016	<0.01	
1/9/2017	0.0011 (J)	
3/15/2017	<0.01	
5/18/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/4/2020		<0.01
9/4/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	<0.01	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
5/6/2016	<0.01	
7/15/2016	<0.01	
9/14/2016	<0.01	
11/1/2016	<0.01	
1/25/2017	<0.01	
3/22/2017	<0.01	
5/24/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01
3/5/2020		<0.01
9/9/2020		0.0017 (J)

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.00051 (J)	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/6/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01 (D)
3/2/2020		<0.01
9/3/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	0.0013 (J)	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/3/2016	<0.01 (D)	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/9/2019		<0.01
3/4/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0007 (J)	
3/3/2015	0.00052 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/10/2019		<0.01
3/5/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.00058 (J)	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01
3/5/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intradwell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/7/2016	9E-05 (J)	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/15/2017	4E-05 (J)	
5/17/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/6/2019		<0.001
9/4/2019		<0.001
3/2/2020		<0.001
9/3/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	0.0001 (J)	
4/5/2015	7E-05 (J)	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001
9/4/2019		<0.001
3/2/2020		<0.001
9/14/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/13/2015	0.0003 (J)	
5/20/2015	9E-05 (J)	
5/27/2015	<0.001	
6/8/2015	<0.001	
6/18/2015	<0.001	
6/24/2015	<0.001	
6/30/2015	6E-05 (J)	
7/6/2015	<0.001	
8/12/2015	<0.001	
5/4/2016	<0.001 (D)	
7/7/2016	<0.001 (D)	
9/8/2016	<0.001 (D)	
10/26/2016	<0.001 (D)	
1/6/2017	<0.001 (D)	
3/15/2017	4E-05 (JD)	
5/18/2017	6E-05 (JD)	
7/19/2017	<0.001 (D)	
9/19/2017	6E-05 (JD)	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/8/2019		<0.001
9/4/2019		0.00014 (J)
3/3/2020		0.00012 (J)
9/9/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/13/2015	<0.001	
5/20/2015	6E-05 (J)	
5/27/2015	<0.001	
6/8/2015	<0.001	
6/18/2015	<0.001	
6/24/2015	<0.001	
6/30/2015	<0.001	
7/6/2015	<0.001	
8/12/2015	<0.001	
2/29/2016	<0.001	
5/4/2016	<0.001	
7/8/2016	0.0002 (J)	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/6/2017	<0.001	
3/15/2017	4E-05 (J)	
5/17/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001
9/4/2019		<0.001
3/2/2020		<0.001
9/3/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/13/2015	0.0002 (J)	
5/20/2015	0.0002 (J)	
5/27/2015	0.0002 (J)	
6/8/2015	9E-05 (J)	
6/17/2015	7E-05 (J)	
6/24/2015	<0.001	
6/30/2015	9E-05 (J)	
7/6/2015	<0.001	
8/12/2015	7E-05 (J)	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/8/2016	6E-05 (J)	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	4E-05 (J)	
5/19/2017	<0.001	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019		<0.001
9/5/2019		<0.001
3/4/2020		<0.001
9/8/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/13/2015	0.0002 (J)	
5/20/2015	0.0002 (J)	
5/27/2015	0.0002 (J)	
6/9/2015	0.0001 (J)	
6/17/2015	0.0001 (J)	
6/25/2015	0.0001 (J)	
7/1/2015	0.0001 (J)	
7/7/2015	9E-05 (J)	
8/12/2015	7E-05 (J)	
3/2/2016	<0.001	
5/4/2016	<0.001	
7/8/2016	<0.001	
9/8/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/15/2017	4E-05 (J)	
5/18/2017	<0.001	
9/15/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019		<0.001
9/5/2019		<0.001
3/3/2020		7.9E-05 (J)
9/8/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/13/2015	<0.001	
5/20/2015	<0.001	
5/27/2015	<0.001	
6/9/2015	<0.001	
6/17/2015	8E-05 (J)	
6/25/2015	7E-05 (J)	
7/1/2015	<0.001	
7/7/2015	0.0001 (J)	
8/13/2015	8E-05 (J)	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/26/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	0.0001 (J)	
5/18/2017	0.0001 (J)	
9/15/2017	0.0001 (J)	
3/12/2018	<0.001	
9/7/2018	<0.001	
3/8/2019		<0.001
9/5/2019		0.00011 (J)
3/3/2020		6.5E-05 (J)
9/4/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/13/2015	<0.001	
5/20/2015	<0.001	
5/27/2015	<0.001	
6/9/2015	<0.001	
6/17/2015	<0.001	
6/24/2015	<0.001	
7/1/2015	<0.001	
7/7/2015	<0.001	
8/13/2015	<0.001	
3/3/2016	<0.001	
5/3/2016	<0.001	
7/11/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/9/2017	<0.001	
3/16/2017	5E-05 (J)	
5/18/2017	<0.001	
9/18/2017	<0.001	
3/12/2018	<0.001	
9/7/2018	<0.001	
3/7/2019		<0.001
9/5/2019		<0.001
3/4/2020		<0.001
9/4/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0004 (J)	
10/4/2014	0.0004 (J)	
10/21/2014	0.0004 (J)	
11/11/2014	0.0005 (J)	
3/3/2015	0.0004 (J)	
3/18/2015	0.0005 (J)	
4/6/2015	0.0004 (J)	
4/23/2015	0.0004 (J)	
7/29/2015	0.0003 (J)	
3/3/2016	0.002222 (D)	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	0.0003 (J)	
3/20/2017	0.0003 (J)	
5/23/2017	0.0003 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	0.00018 (J)	
9/7/2018	0.00016 (J)	
3/11/2019		0.00026 (J)
9/9/2019		6E-05 (J)
3/4/2020		0.00014 (J)
9/9/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	0.0002 (J)	
10/4/2014	0.0002 (J)	
10/21/2014	0.0002 (J)	
11/5/2014	0.0003 (J)	
3/3/2015	0.0002 (J)	
3/18/2015	0.0002 (J)	
4/7/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/29/2015	0.0002 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/23/2017	0.0001 (J)	
5/23/2017	0.0001 (J)	
9/25/2017	0.0001 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001
9/9/2019		<0.001
3/6/2020		7.6E-05 (J)
9/9/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrainwell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0001 (J)	
10/5/2014	0.0001 (J)	
10/22/2014	0.0001 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/7/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/9/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/22/2017	4E-05 (J)	
5/22/2017	5E-05 (J)	
9/19/2017	6E-05 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019		<0.001
9/6/2019		<0.001 (D)
3/5/2020		<0.001
9/4/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0002 (J)	
10/5/2014	0.0002 (J)	
10/22/2014	0.0002 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/19/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/24/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/8/2016	<0.001	
5/9/2016	0.000353 (J)	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	0.0002 (J)	
9/19/2017	0.0002 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019		<0.001
9/6/2019		0.0002 (J)
3/3/2020		7.1E-05 (J)
9/8/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.001	
10/5/2014	0.0001 (J)	
10/22/2014	<0.001	
11/5/2014	0.0001 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/8/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	0.0001 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	<0.001	
5/23/2017	0.0001 (J)	
9/19/2017	8E-05 (J)	
3/13/2018	0.00017 (J)	
9/7/2018	<0.001	
3/11/2019		0.00015 (J)
9/5/2019		5.5E-05 (J)
3/3/2020		7.2E-05 (J)
9/8/2020		0.00016 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0002 (J)	
10/5/2014	0.0003 (J)	
10/22/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/20/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/9/2016	0.0033 (Jo)	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	0.0002 (J)	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	0.0001 (J)	
5/24/2017	0.0001 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019		<0.001
9/6/2019		0.0003 (J)
3/5/2020		0.00018 (J)
9/9/2020		0.00016 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.0073	
10/3/2014	<0.01	
10/20/2014	0.0045 (J)	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	0.0014 (J)	
4/21/2015	0.0029 (J)	
7/28/2015	0.0031 (J)	
3/1/2016	<0.01	
7/6/2016	<0.01	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01
9/14/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/1/2016	<0.01	
7/8/2016	0.0028 (J)	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019		<0.01
9/4/2019		0.00073 (J)
3/2/2020		0.00074 (J)
9/3/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.00085 (J)	
10/3/2014	0.00096 (J)	
10/20/2014	<0.01	
11/10/2014	0.00095 (J)	
3/2/2015	0.0041 (J)	
3/17/2015	0.0018 (J)	
4/6/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		0.00538 (D)
3/2/2020		0.0014 (J)
9/3/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	<0.01	
5/17/2015	0.0044 (J)	
5/25/2015	0.0025 (J)	
6/8/2015	0.0042 (J)	
6/18/2015	0.0056	
6/24/2015	0.016	
6/30/2015	0.013	
7/6/2015	0.012	
8/12/2015	0.0279 (o)	
7/7/2016	<0.01 (D)	
3/15/2017	<0.01 (D)	
9/19/2017	<0.01 (D)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/4/2019		<0.01
3/3/2020		0.00091 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	0.0012 (J)	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	0.0011 (J)	
8/12/2015	0.000519 (J)	
2/29/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/2/2020		<0.01
9/3/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	<0.01	
5/18/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/17/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	0.000525 (J)	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01
9/8/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	<0.01	
5/17/2015	<0.01	
5/25/2015	<0.01	
6/8/2015	<0.01	
6/18/2015	<0.01	
6/24/2015	<0.01	
6/30/2015	<0.01	
7/6/2015	<0.01	
8/12/2015	0.000172 (J)	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01
9/8/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	0.0018 (J)	
5/18/2015	0.0014 (J)	
5/25/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	0.0015 (J)	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	0.000656 (J)	
3/2/2016	<0.01	
7/8/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/3/2020		<0.01
9/8/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.01	
5/18/2015	0.0014 (J)	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	0.000246 (J)	
3/2/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/8/2019		<0.01
9/5/2019		<0.01
3/3/2020		<0.01
9/4/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.01	
5/18/2015	0.0017 (J)	
5/26/2015	<0.01	
6/9/2015	0.0033 (J)	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	0.0031 (J)	
7/7/2015	<0.01	
8/12/2015	0.000187 (J)	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/16/2017	<0.01	
9/18/2017	<0.01	
3/12/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/5/2019		<0.01
3/4/2020		<0.01
9/4/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.01	
5/19/2015	0.0015 (J)	
5/26/2015	<0.01	
6/9/2015	<0.01	
6/17/2015	<0.01	
6/25/2015	<0.01	
7/1/2015	<0.01	
7/7/2015	<0.01	
8/12/2015	0.000497 (J)	
3/3/2016	<0.01	
7/11/2016	<0.01	
3/15/2017	<0.01	
9/15/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/7/2019		<0.01
9/4/2019		<0.01
3/4/2020		<0.01
9/4/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0019 (J)	
10/4/2014	0.005	
10/21/2014	0.00089 (J)	
11/11/2014	<0.01	
3/3/2015	0.00093 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/3/2016	<0.01 (D)	
7/13/2016	0.0021 (J)	
3/20/2017	0.0019 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/9/2019		0.00091 (J)
3/4/2020		0.0023 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0012 (J)	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/10/2019		<0.01
3/5/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/23/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/9/2019		0.00078 (J)
3/6/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.001 (J)	
10/4/2014	<0.01	
10/21/2014	0.00084 (J)	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01
3/5/2020		<0.01
9/9/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/9/2019		0.00081 (J)
3/4/2020		0.00096 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	0.0012 (J)	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019		<0.01
9/6/2019		<0.01 (D)
3/5/2020		<0.01
9/4/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/15/2016	<0.01	
3/21/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019		<0.01
9/6/2019		0.0012 (J)
3/3/2020		0.00085 (J)
9/8/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		<0.01
9/5/2019		0.00094 (J)
3/3/2020		<0.01
9/8/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.00083 (J)	
11/5/2014	0.0014 (J)	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0017 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019		<0.01
9/6/2019		0.0011 (J)
3/5/2020		0.00071 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.0012 (J)	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0012 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	<0.01	
7/12/2016	0.002 (J)	
3/20/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.0012 (JD)
3/3/2020		0.0011 (J)
9/9/2020		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
9/15/2014	0.15	
10/3/2014	0.04	
10/20/2014	0.042	
11/10/2014	0.1	
3/2/2015	0.073	
3/17/2015	0.2	
4/5/2015	0.29	
4/21/2015	0.46	
7/28/2015	0.26	
3/1/2016	0.378	
7/7/2016	0.263	
3/15/2017	0.382	
9/15/2017	0.406	
3/12/2018	0.5	
9/6/2018	0.37	
3/6/2019		0.56
9/4/2019		0.34
3/2/2020		0.54
9/3/2020		0.35

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
9/15/2014	0.44 (o)	
10/3/2014	0.021	
10/20/2014	0.19	
11/10/2014	0.0014 (J)	
3/2/2015	0.032	
3/17/2015	0.034	
4/5/2015	0.089	
4/21/2015	0.16	
7/28/2015	0.15	
3/1/2016	0.0627	
7/6/2016	0.0532	
3/14/2017	0.0401	
9/15/2017	0.0338	
3/12/2018	0.042	
9/6/2018	0.045	
3/7/2019		0.043
9/4/2019		0.052
3/2/2020		0.056
9/14/2020		0.053

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
9/16/2014	0.0062	
10/3/2014	0.0085	
10/20/2014	0.0087	
11/10/2014	0.01	
3/2/2015	0.0077	
3/17/2015	0.0086	
4/5/2015	0.0098	
4/22/2015	0.0049	
7/28/2015	0.0099	
3/1/2016	0.00756 (J)	
7/8/2016	0.0098 (J)	
3/14/2017	0.0042 (J)	
9/15/2017	0.0032 (J)	
3/12/2018	0.0025 (J)	
9/6/2018	<0.01	
3/6/2019		0.0035 (J)
9/4/2019		0.0086 (J)
3/2/2020		0.0063 (J)
9/3/2020		0.0049 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
9/16/2014	0.0054	
10/3/2014	0.007	
10/20/2014	0.0052	
11/10/2014	0.0054	
3/2/2015	0.041 (o)	
3/17/2015	0.014	
4/6/2015	0.0044	
4/22/2015	0.0023 (J)	
7/28/2015	0.0035	
3/2/2016	0.0029 (J)	
7/7/2016	0.0023 (J)	
3/23/2017	<0.02	
9/19/2017	0.002 (J)	
3/13/2018	<0.02	
9/6/2018	<0.02	
3/7/2019		<0.02
9/4/2019		0.00565 (JD)
3/2/2020		0.0032 (J)
9/3/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/8/2015	0.015	
5/17/2015	0.12 (o)	
5/25/2015	0.023	
6/8/2015	0.016	
6/18/2015	0.016	
6/24/2015	0.022	
6/30/2015	0.017	
7/6/2015	0.01	
8/12/2015	0.0047 (BJ)	
7/7/2016	0.0073 (JD)	
3/15/2017	<0.02 (D)	
9/19/2017	<0.02 (D)	
3/13/2018	<0.02	
9/7/2018	<0.02	
3/8/2019		<0.02
9/4/2019		0.0051 (J)
3/3/2020		0.0035 (J)
9/9/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
5/8/2015	<0.02	
5/17/2015	0.0017 (J)	
5/25/2015	0.003	
6/8/2015	0.0025	
6/18/2015	0.0019 (J)	
6/24/2015	0.0028	
6/30/2015	<0.02	
7/6/2015	<0.02	
8/12/2015	0.0033 (BJ)	
2/29/2016	<0.02	
7/8/2016	<0.02	
3/15/2017	0.0013 (J)	
9/15/2017	<0.02	
3/13/2018	<0.02	
9/6/2018	<0.02	
3/7/2019		<0.02
9/4/2019		0.0045 (J)
3/2/2020		0.0024 (J)
9/3/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
5/9/2015	0.0023 (J)	
5/18/2015	0.0034	
5/25/2015	<0.02	
6/8/2015	0.0015 (J)	
6/17/2015	<0.02	
6/24/2015	<0.02	
6/30/2015	<0.02	
7/6/2015	<0.02	
8/12/2015	0.004 (BJ)	
3/2/2016	0.0035 (J)	
7/8/2016	<0.02	
3/16/2017	0.0029 (J)	
9/19/2017	0.0018 (J)	
3/13/2018	0.0021 (J)	
9/11/2018	<0.02	
3/8/2019		<0.02
9/5/2019		0.0064 (J)
3/4/2020		0.004 (J)
9/8/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
5/8/2015	0.0022 (J)	
5/17/2015	<0.02	
5/25/2015	0.0022 (J)	
6/8/2015	0.0015 (J)	
6/18/2015	0.0026	
6/24/2015	0.0015 (J)	
6/30/2015	0.0015 (J)	
7/6/2015	<0.02	
8/12/2015	0.0031 (BJ)	
3/2/2016	0.0028 (J)	
7/11/2016	<0.02	
3/16/2017	0.0018 (J)	
9/19/2017	<0.02	
3/13/2018	<0.02	
9/11/2018	<0.02	
3/12/2019		<0.02
9/5/2019		0.0098 (J)
3/4/2020		0.0027 (J)
9/8/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
5/9/2015	<0.02	
5/18/2015	0.0019 (J)	
5/25/2015	0.0022 (J)	
6/9/2015	0.0015 (J)	
6/17/2015	0.0035	
6/25/2015	<0.02	
7/1/2015	<0.02	
7/7/2015	<0.02	
8/12/2015	0.0015 (BJ)	
3/2/2016	<0.02	
7/8/2016	0.0029 (J)	
3/15/2017	0.0024 (J)	
9/15/2017	0.0016 (J)	
3/13/2018	0.0023 (J)	
9/6/2018	<0.02	
3/7/2019		<0.02
9/5/2019		0.0048 (J)
3/3/2020		0.0024 (J)
9/8/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
5/9/2015	<0.02	
5/18/2015	0.0016 (J)	
5/26/2015	<0.02	
6/9/2015	0.0026	
6/17/2015	0.0017 (J)	
6/25/2015	<0.02	
7/1/2015	<0.02	
7/7/2015	<0.02	
8/13/2015	0.002 (BJ)	
3/2/2016	<0.02	
7/11/2016	<0.02	
3/16/2017	0.0015 (J)	
9/15/2017	<0.02	
3/12/2018	<0.02	
9/7/2018	<0.02	
3/8/2019		<0.02
9/5/2019		0.0056 (J)
3/3/2020		0.005 (J)
9/4/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
5/9/2015	<0.02	
5/18/2015	0.0033	
5/26/2015	0.0022 (J)	
6/9/2015	0.0082	
6/17/2015	<0.02	
6/25/2015	<0.02	
7/1/2015	0.0064	
7/7/2015	<0.02	
8/13/2015	0.0028 (BJ)	
3/3/2016	<0.02	
7/11/2016	<0.02	
3/16/2017	0.0054 (J)	
9/18/2017	<0.02	
3/12/2018	<0.02	
9/7/2018	<0.02	
3/7/2019		<0.02
9/5/2019		0.0045 (J)
3/4/2020		0.0028 (J)
9/4/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
5/9/2015	<0.02	
5/19/2015	0.0045	
5/26/2015	0.0038	
6/9/2015	0.0037	
6/17/2015	0.0018 (J)	
6/25/2015	<0.02	
7/1/2015	<0.02	
7/7/2015	<0.02	
8/13/2015	0.0017 (BJ)	
3/3/2016	<0.02	
7/11/2016	0.0018 (J)	
3/15/2017	0.0034 (J)	
9/15/2017	<0.02	
3/13/2018	0.0029 (J)	
9/7/2018	<0.02	
3/7/2019		<0.02
9/4/2019		0.0052 (J)
3/4/2020		0.0029 (J)
9/4/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.072	
10/4/2014	0.078	
10/21/2014	0.083	
11/11/2014	0.082	
3/3/2015	0.078	
3/18/2015	0.075	
4/6/2015	0.071	
4/23/2015	0.072	
7/29/2015	0.072	
3/3/2016	0.0227 (D)	
7/13/2016	0.0709	
3/20/2017	0.0465	
9/21/2017	0.0302	
3/14/2018	0.031	
9/7/2018	<0.01	
3/11/2019		0.024
9/9/2019		0.029
3/4/2020		0.015
9/9/2020		0.037

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.0028	
10/4/2014	0.0038	
10/21/2014	0.0043	
11/11/2014	0.0041	
3/3/2015	0.0042	
3/18/2015	0.0046	
4/6/2015	0.0043	
4/23/2015	0.0047	
7/29/2015	0.0039	
3/4/2016	0.0219 (J)	
7/14/2016	0.0111	
3/21/2017	<0.02	
9/22/2017	0.0023 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	<0.02	
3/12/2019		0.0038 (J)
9/10/2019		0.0055 (J)
3/5/2020		0.0035 (J)
9/9/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
9/17/2014	0.0035	
10/4/2014	0.0032	
10/21/2014	0.0028	
11/5/2014	0.004	
3/3/2015	0.004	
3/18/2015	0.0024 (J)	
4/7/2015	0.0055	
4/23/2015	0.0035	
7/29/2015	0.0062	
3/7/2016	0.0225 (J)	
7/13/2016	0.0031 (J)	
3/23/2017	<0.02	
9/25/2017	0.002 (J)	
3/14/2018	0.0036 (J)	
9/11/2018	<0.02	
3/12/2019		<0.02
9/9/2019		0.0063 (J)
3/6/2020		0.0045 (J)
9/9/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.002 (J)	
10/4/2014	0.001 (J)	
10/21/2014	0.00082 (J)	
11/11/2014	0.00076 (J)	
3/3/2015	<0.02	
3/18/2015	0.0016 (J)	
4/7/2015	<0.02	
4/23/2015	<0.02	
7/29/2015	<0.02	
3/7/2016	<0.02	
7/13/2016	0.0013 (J)	
3/20/2017	<0.02	
9/21/2017	0.0018 (J)	
3/14/2018	<0.02	
9/7/2018	<0.02	
3/12/2019		<0.02
9/6/2019		0.0046 (J)
3/5/2020		0.0024 (J)
9/9/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.0026	
10/4/2014	0.0034	
10/21/2014	0.0037	
11/5/2014	0.0035	
3/3/2015	0.0036	
3/19/2015	0.0035	
4/7/2015	0.0039	
4/24/2015	0.0034	
7/29/2015	0.0038	
3/7/2016	<0.02	
7/14/2016	<0.02	
3/21/2017	<0.02	
9/20/2017	0.0062 (J)	
3/14/2018	<0.02	
9/10/2018	<0.02	
3/12/2019		<0.02
9/9/2019		0.0062 (J)
3/4/2020		0.0072 (J)
9/9/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0023 (J)	
10/5/2014	0.0025	
10/22/2014	0.0018 (J)	
11/5/2014	0.0019 (J)	
3/4/2015	0.0016 (J)	
3/19/2015	0.0025	
4/7/2015	0.0026	
4/24/2015	0.0017 (J)	
7/30/2015	0.0017 (J)	
3/8/2016	0.557 (o)	
7/14/2016	<0.02	
3/22/2017	<0.02	
9/19/2017	0.0031 (J)	
3/14/2018	<0.02	
9/10/2018	<0.02	
3/12/2019		<0.02
9/6/2019		0.00455 (JD)
3/5/2020		0.0023 (J)
9/4/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Inflow

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0033	
10/5/2014	0.0036	
10/22/2014	0.0038	
11/5/2014	0.0046	
3/4/2015	0.0029	
3/19/2015	0.0027	
4/8/2015	0.0039	
4/24/2015	0.0035	
7/30/2015	0.0027	
3/8/2016	0.00273 (J)	
7/15/2016	<0.01	
3/21/2017	<0.01	
9/19/2017	0.0022 (J)	
3/14/2018	0.0049 (J)	
9/10/2018	<0.01	
3/11/2019		0.0034 (J)
9/6/2019		0.045
3/3/2020		0.0044 (J)
9/8/2020		0.0063 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.00089 (J)	
10/5/2014	0.0016 (J)	
10/22/2014	0.0017 (J)	
11/5/2014	0.0038	
3/4/2015	0.002 (J)	
3/19/2015	0.0025	
4/8/2015	0.0018 (J)	
4/24/2015	0.0016 (J)	
7/30/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	0.0075 (J)	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019		0.0021 (J)
9/5/2019		0.0053 (J)
3/3/2020		0.0029 (J)
9/8/2020		0.0037 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0013 (J)	
10/5/2014	0.00085 (J)	
10/22/2014	0.0014 (J)	
11/5/2014	0.0022 (J)	
3/4/2015	0.0033	
3/20/2015	0.002 (J)	
4/8/2015	0.004	
4/23/2015	0.002 (J)	
7/30/2015	<0.02	
3/9/2016	<0.02	
7/15/2016	<0.02	
3/22/2017	<0.02	
9/21/2017	0.0034 (J)	
3/14/2018	<0.02	
9/11/2018	<0.02	
3/12/2019		<0.02
9/6/2019		0.0059 (J)
3/5/2020		0.0084 (J)
9/9/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrainwell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.00054 (J)	
10/4/2014	0.0008 (J)	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0016 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	0.00374 (J)	
7/12/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	0.0028 (J)	
3/13/2018	0.0068 (J)	
9/11/2018	<0.01	
3/8/2019		<0.01
9/5/2019		0.00675 (JD)
3/3/2020		0.0033 (J)
9/9/2020		0.0048 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/5/2020 5:01 PM View: PL's State Intrawell

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.004	
10/4/2014	0.0011 (J)	
10/23/2014	0.0011 (J)	
11/10/2014	0.0028	
3/4/2015	<0.02	
3/20/2015	<0.02	
4/9/2015	<0.02	
4/23/2015	<0.02	
7/30/2015	<0.02	
3/8/2016	0.00198 (J)	
7/18/2016	<0.02	
3/16/2017	0.0026 (J)	
9/19/2017	<0.02	
3/13/2018	<0.02	
9/11/2018	<0.02	
3/8/2019		<0.02
9/5/2019		0.0053 (J)
3/3/2020		0.0027 (J)
9/4/2020		<0.02

FIGURE E.

Federal Intrawell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-21R	7.908	n/a	9/8/2020	9.6	Yes	13	3.733	1.614	7.692	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	26.49	n/a	9/9/2020	124	Yes	13	13.96	4.844	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	374.2	n/a	9/9/2020	501	Yes	13	294.5	30.84	0	None	No	0.0006839	Param Intra 1 of 2

Federal Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-36	2.751	n/a	9/3/2020	1.9	No	13	2.195	0.2147	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-36R	3.698	n/a	9/14/2020	2.9	No	13	3.017	0.2633	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-37	1.522	n/a	9/3/2020	0.82J	No	13	1.022	0.1933	7.692	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-38	3.142	n/a	9/3/2020	2.9	No	13	2.473	0.2586	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-51RZ	4.153	n/a	9/9/2020	2.6	No	13	3.179	0.3765	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-52	3.83	n/a	9/3/2020	1.4	No	13	2.279	0.5996	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-53	2.851	n/a	9/8/2020	2.3	No	13	2.48	0.1434	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-53R	3.327	n/a	9/8/2020	2.3	No	13	0.9493	0.09766	0	None	ln(x)	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-54	1.953	n/a	9/8/2020	0.8J	No	13	1.201	0.2909	7.692	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-55	3.939	n/a	9/4/2020	3	No	13	3.137	0.3098	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-55R	3.604	n/a	9/4/2020	2.5	No	13	2.938	0.2574	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-56	10.33	n/a	9/4/2020	4.1	No	13	6.322	1.55	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-16R	2.959	n/a	9/9/2020	1J	No	13	1.914	0.4039	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-17R	7.985	n/a	9/9/2020	4.3	No	13	6.269	0.6635	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.764	n/a	9/9/2020	2.1	No	13	2.171	0.2291	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	9/9/2020	2.3	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-19R	3.064	n/a	9/9/2020	2.4	No	13	2.447	0.2387	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-20R	2.711	n/a	9/4/2020	1.5	No	13	1.797	0.3534	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-21R	5.133	n/a	9/8/2020	4.1	No	13	4.046	0.42	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-22R	3.3	n/a	9/8/2020	2.6	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-23R	2.938	n/a	9/9/2020	2	No	13	2.051	0.3427	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-24R	3.423	n/a	9/9/2020	2.5	No	13	6.078	2.178	7.692	None	x^2	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-25R	3.206	n/a	9/4/2020	2.5	No	13	2.661	0.2106	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36	7.43	6.39	9/3/2020	6.81	No	13	6.91	0.2008	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-36R	7.61	7.078	9/14/2020	7.1	No	13	7.344	0.1029	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.403	4.874	9/3/2020	5.17	No	13	5.638	0.2954	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.226	4.732	9/3/2020	5.32	No	13	5.479	0.2887	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-51RZ	7.749	7.257	9/9/2020	7.59	No	14	7.503	0.09723	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-52	7.772	7.234	9/3/2020	7.67	No	13	7.503	0.104	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-53	7.944	7.476	9/8/2020	7.67	No	13	7.71	0.09055	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-53R	7.946	7.603	9/8/2020	7.68	No	13	7.775	0.06628	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-54	7.939	7.275	9/8/2020	7.56	No	13	7.607	0.1283	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-55	7.85	6.813	9/4/2020	7.24	No	13	7.332	0.2005	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-55R	8.134	7.032	9/4/2020	7.64	No	13	7.583	0.2129	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-56	8.435	7.551	9/4/2020	7.82	No	14	7.993	0.1746	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.505	6.817	9/9/2020	7.08	No	13	7.161	0.1329	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.311	7.071	9/9/2020	7.24	No	13	7.191	0.04645	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18	7.616	5.885	9/9/2020	6.63	No	13	6.751	0.3346	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.062	7.418	9/9/2020	7.81	No	13	7.74	0.1244	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.885	7.519	9/9/2020	7.67	No	13	7.702	0.07073	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.945	7.323	9/4/2020	7.57	No	14	7.634	0.1228	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.342	6.761	9/8/2020	7.07	No	13	7.052	0.1123	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.056	7.094	9/8/2020	7.19	No	14	7.575	0.19	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.832	6.951	9/9/2020	7.12	No	13	7.392	0.1702	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-24R	8.014	6.761	9/9/2020	7.22	No	13	7.388	0.2421	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-25R	7.874	7.241	9/4/2020	7.62	No	13	7.558	0.1224	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36	2.854	n/a	9/3/2020	0.65J	No	13	1.316	0.5945	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36R	9.874	n/a	9/14/2020	1.3	No	13	1.713	0.5527	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-37	1.16	n/a	9/3/2020	0.5ND	No	13	0.661	0.1927	7.692	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-38	2.958	n/a	9/3/2020	0.58J	No	13	1.285	0.6468	0	None	No	0.0006839	Param Intra 1 of 2

Federal Intrawell Prediction Limit Summary - All Results

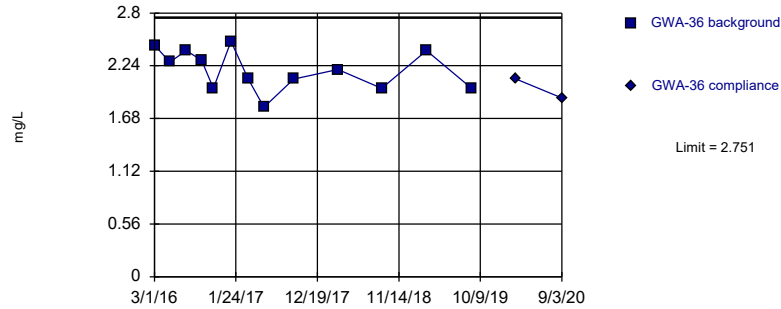
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/5/2020, 5:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-51RZ	32.12	n/a	9/9/2020	21.8	No	13	20.19	4.61	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-52	12.64	n/a	9/3/2020	3.5	No	13	6.378	2.42	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-53	2.285	n/a	9/8/2020	1.4	No	13	1.903	0.1477	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-53R	2.388	n/a	9/8/2020	1.4	No	13	1.939	0.1737	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-54	9.872	n/a	9/8/2020	1.8	No	13	5.531	1.678	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-55	48.37	n/a	9/4/2020	20.4	No	13	19.75	11.06	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-55R	29.73	n/a	9/4/2020	16.1	No	13	19.94	3.786	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-56	149.4	n/a	9/4/2020	54.9	No	13	84.7	25.01	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-16R	13.9	n/a	9/9/2020	2.8	No	13	7.229	2.577	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-17R	9.253	n/a	9/9/2020	5.6	No	12	1.876	0.1321	0	None	ln(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	2.59	n/a	9/9/2020	1.4	No	13	2.009	0.2247	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18R	2.805	n/a	9/9/2020	1.9	No	12	2.362	0.1675	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	9/9/2020	3.4	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.97	n/a	9/4/2020	1.1	No	13	1.943	0.7494	0	None	x^2	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	7.908	n/a	9/8/2020	9.6	Yes	13	3.733	1.614	7.692	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22R	2.79	n/a	9/8/2020	1.3	No	12	2.172	0.2339	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	26.49	n/a	9/9/2020	124	Yes	13	13.96	4.844	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-24R	16.95	n/a	9/9/2020	1.9	No	13	1.955	0.8353	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-25R	2.06	n/a	9/4/2020	1.6	No	13	1.614	0.1727	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36	155.2	n/a	9/3/2020	90	No	13	96.92	22.54	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36R	235.5	n/a	9/14/2020	156	No	13	153.8	31.56	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	81.94	n/a	9/3/2020	25	No	12	4.428	1.75	33.33	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	119.7	n/a	9/3/2020	21	No	13	6.448	1.736	38.46	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-51RZ	343.9	n/a	9/9/2020	205	No	13	216.5	49.22	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-52	179.8	n/a	9/3/2020	132	No	12	141.4	14.53	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-53	174.6	n/a	9/8/2020	138	No	13	130.5	17.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-53R	193.3	n/a	9/8/2020	124	No	12	134.6	22.2	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-54	181.6	n/a	9/8/2020	116	No	13	125.2	21.8	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-55	277	n/a	9/4/2020	226	No	13	192.6	32.62	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-55R	247.1	n/a	9/4/2020	180	No	13	176.1	27.46	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-56	498.4	n/a	9/4/2020	267	No	13	328.7	65.59	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	365	n/a	9/9/2020	297	No	13	290.5	28.8	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	384.7	n/a	9/9/2020	285	No	13	330.2	21.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	161.2	n/a	9/9/2020	88	No	13	93.77	26.05	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	191.3	n/a	9/9/2020	120	No	13	142.6	18.81	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	229.2	n/a	9/9/2020	152	No	13	168.6	23.42	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.6	n/a	9/4/2020	212	No	13	195.7	15.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	435.3	n/a	9/8/2020	297	No	13	286.9	57.36	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	199.8	n/a	9/8/2020	157	No	13	163.1	14.18	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	374.2	n/a	9/9/2020	501	Yes	13	294.5	30.84	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	9/9/2020	155	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	194.6	n/a	9/4/2020	172	No	13	23678	5490	0	None	x^2	0.0006839	Param Intra 1 of 2

Within Limit

Prediction Limit

Intrawell Parametric



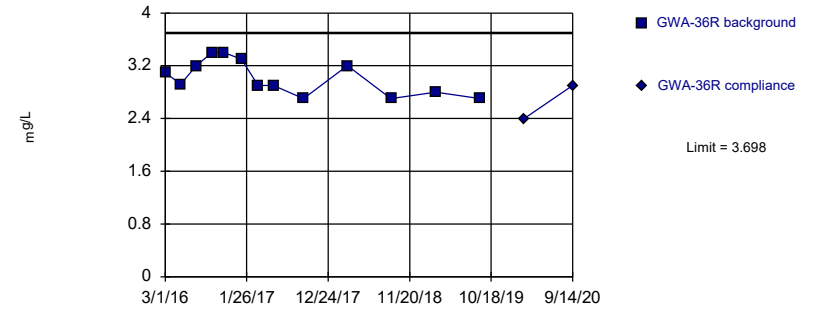
Background Data Summary: Mean=2.195, Std. Dev.=0.2147, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.948, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=3.017, Std. Dev.=0.2633, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8981, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

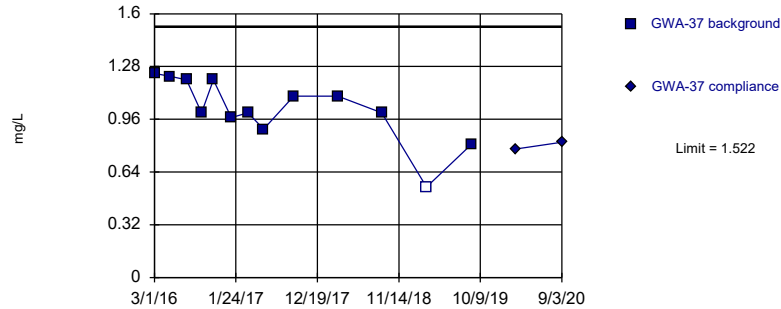
Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



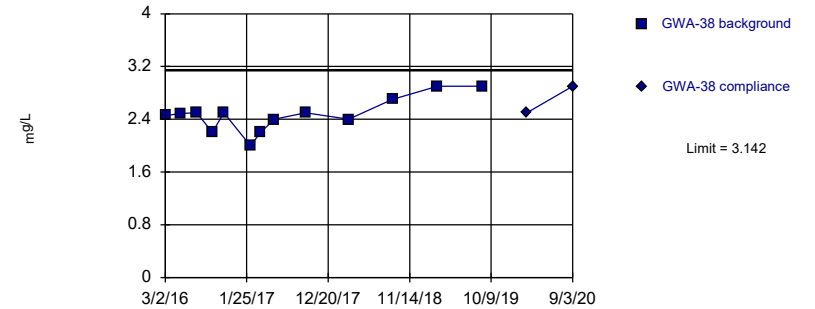
Background Data Summary: Mean=1.022, Std. Dev.=0.1933, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

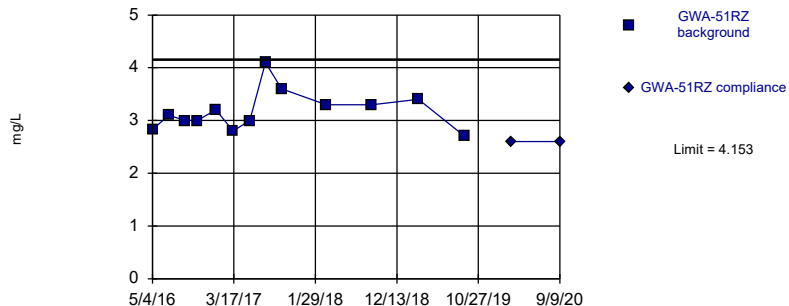
Within Limit

Prediction Limit

Intrawell Parametric



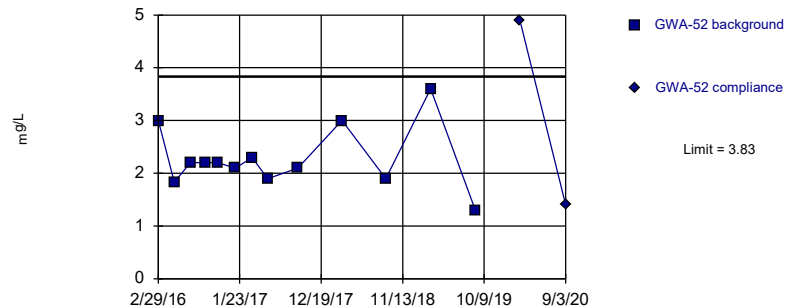
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=3.179, Std. Dev.=0.3765, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9165, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

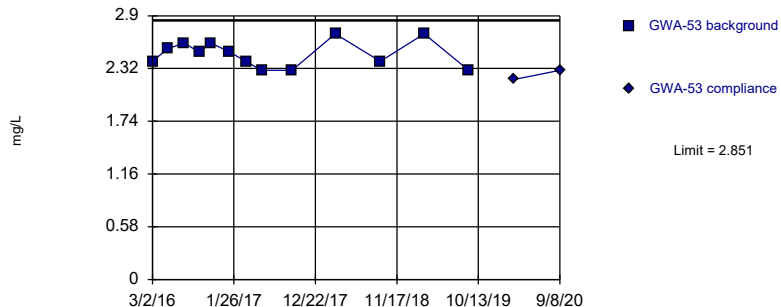
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.279, Std. Dev.=0.5996, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9009, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

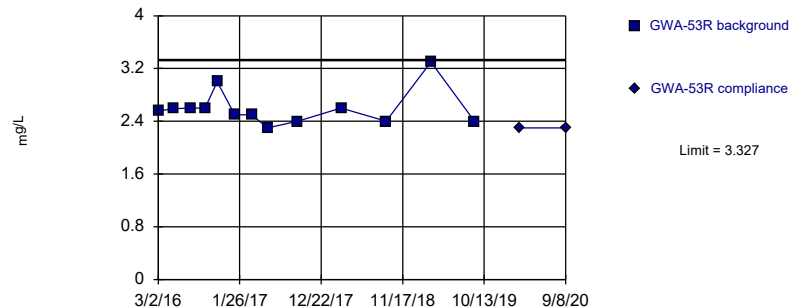
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.48, Std. Dev.=0.1434, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9144, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit Prediction Limit
Intrawell Parametric

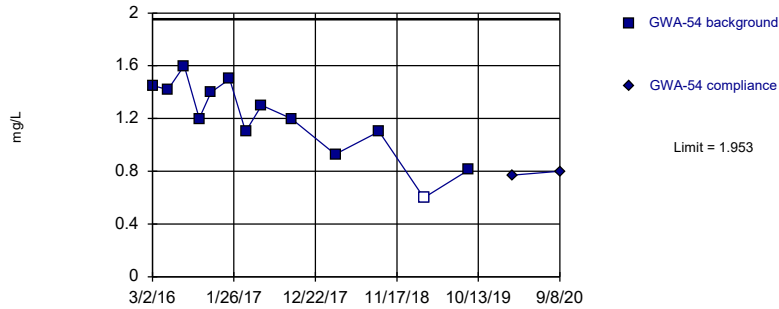


Background Data Summary (based on natural log transformation): Mean=0.9493, Std. Dev.=0.09766, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8227, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

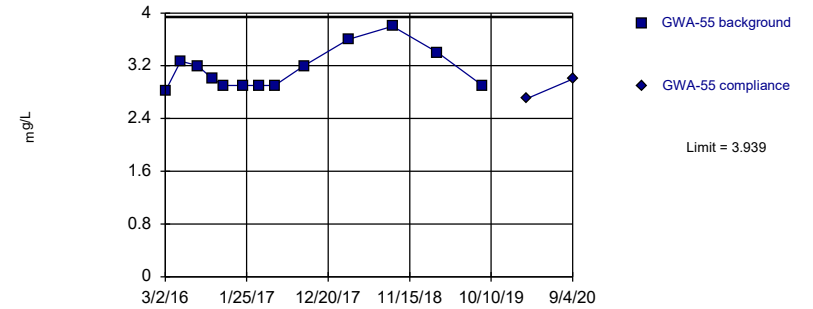


Background Data Summary: Mean=1.201, Std. Dev.=0.2909, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

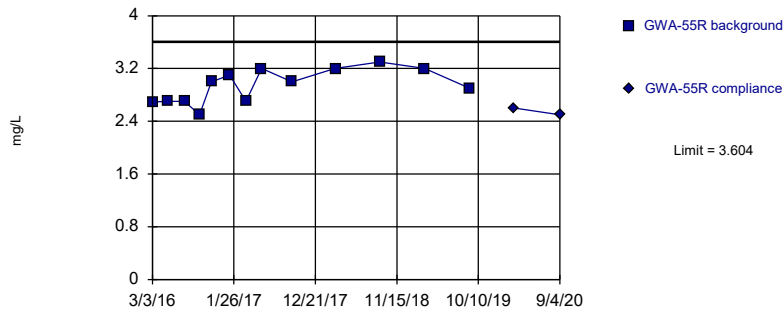


Background Data Summary: Mean=3.137, Std. Dev.=0.3098, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8568, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

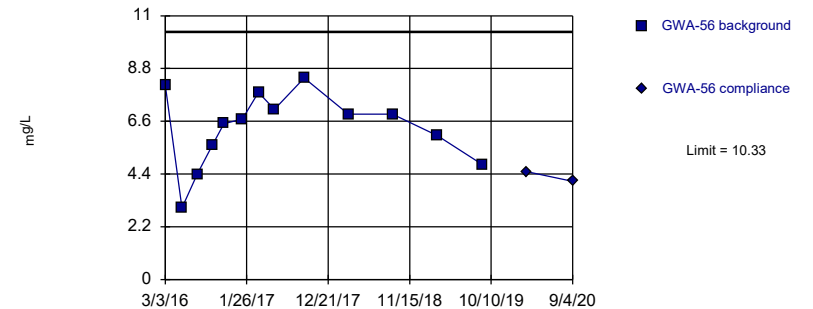


Background Data Summary: Mean=2.938, Std. Dev.=0.2574, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

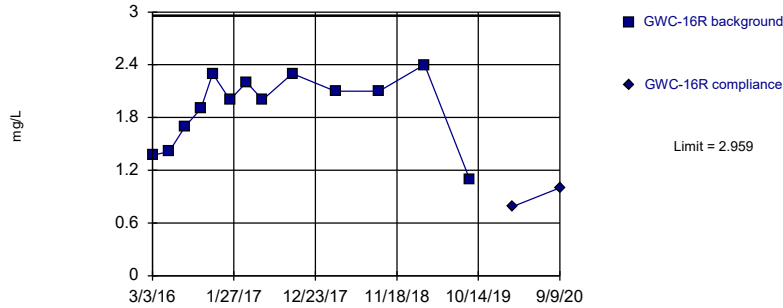
Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=6.322, Std. Dev.=1.55, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:31 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

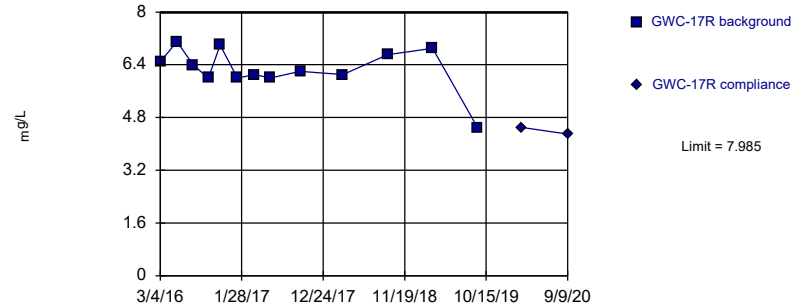
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.914, Std. Dev.=0.4039, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9077, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

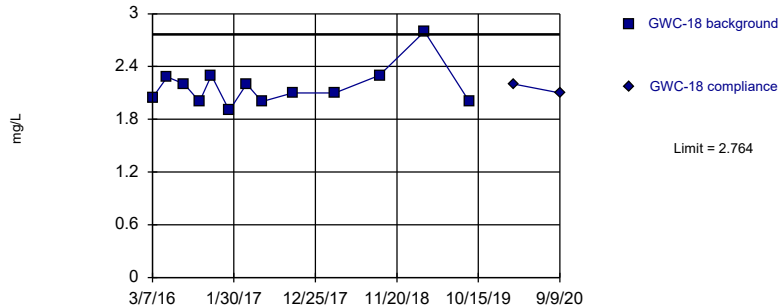
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=6.269, Std. Dev.=0.6635, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8519, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

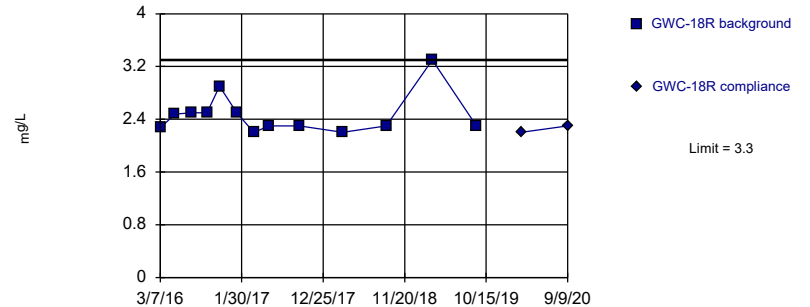
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.171, Std. Dev.=0.2291, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.834, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit Prediction Limit
Intrawell Non-parametric

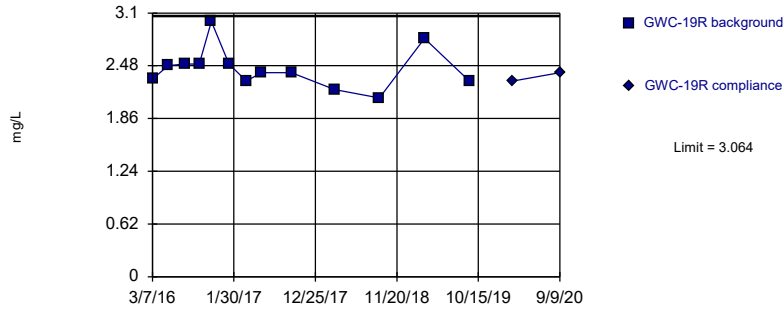


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

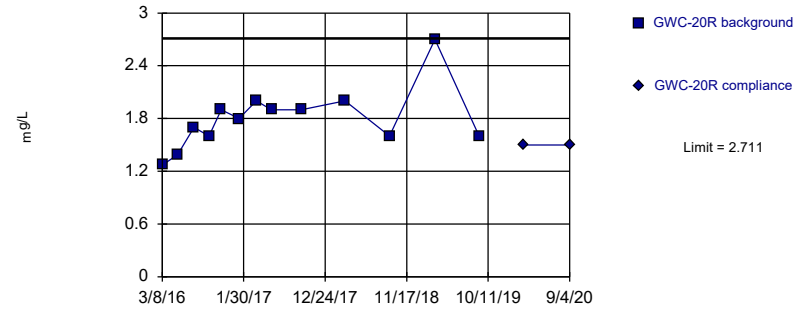


Background Data Summary: Mean=2.447, Std. Dev.=0.2387, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9074, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

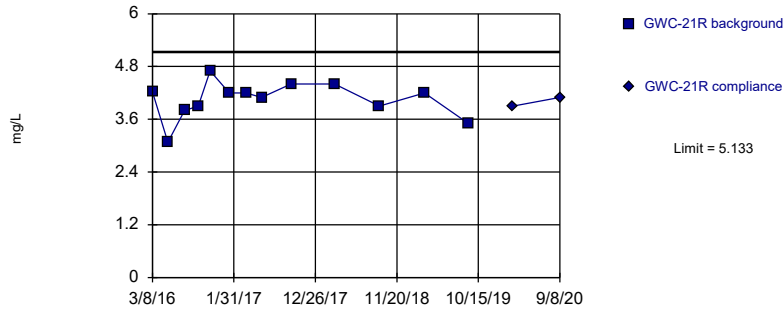


Background Data Summary: Mean=1.797, Std. Dev.=0.3534, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8987, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

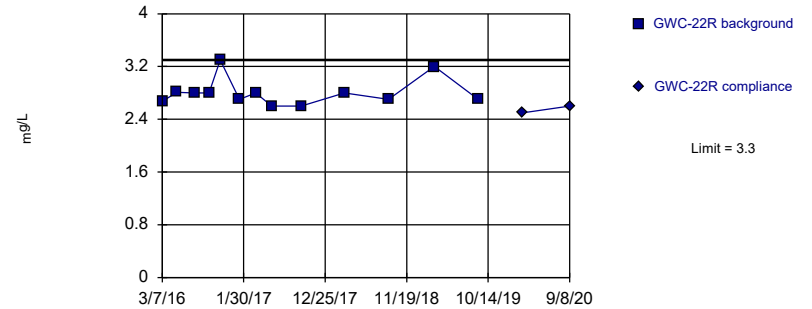


Background Data Summary: Mean=4.046, Std. Dev.=0.42, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9324, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

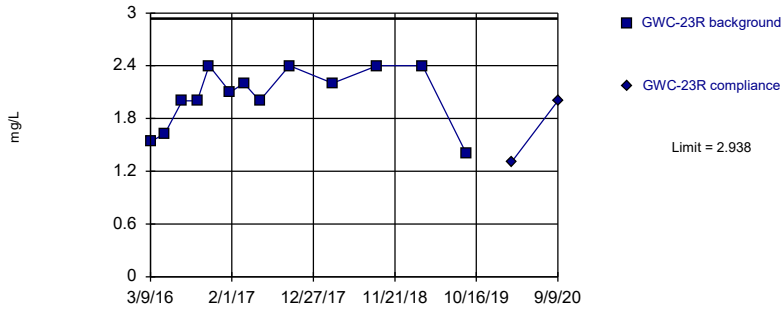
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

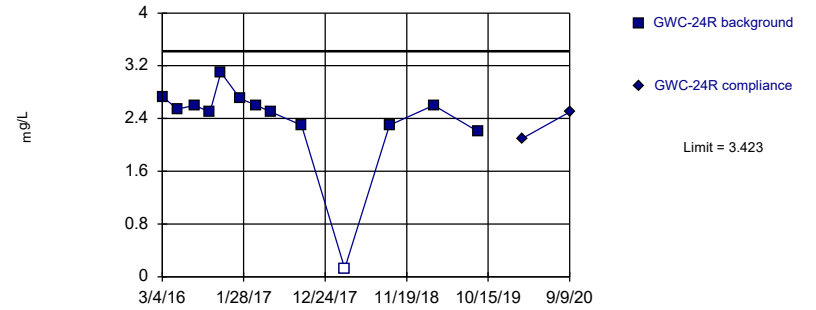
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.051, Std. Dev.=0.3427, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8748, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

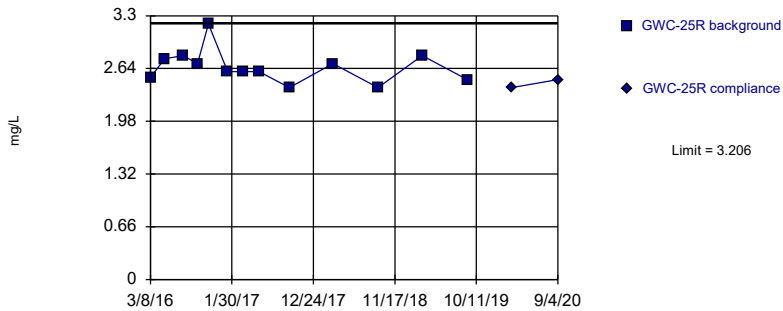
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=6.078, Std. Dev.=2.178, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8182, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

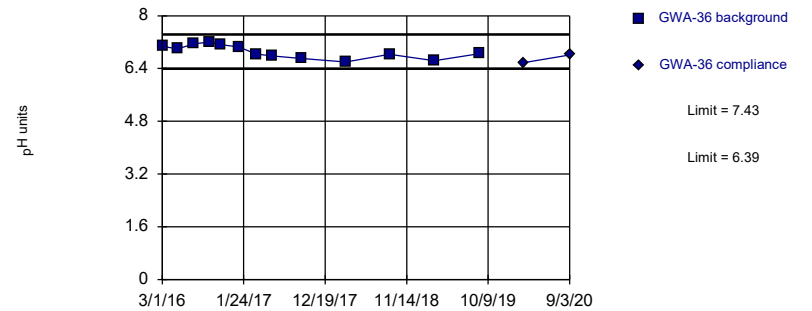
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.661, Std. Dev.=0.2106, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8934, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits Prediction Limit
Intrawell Parametric

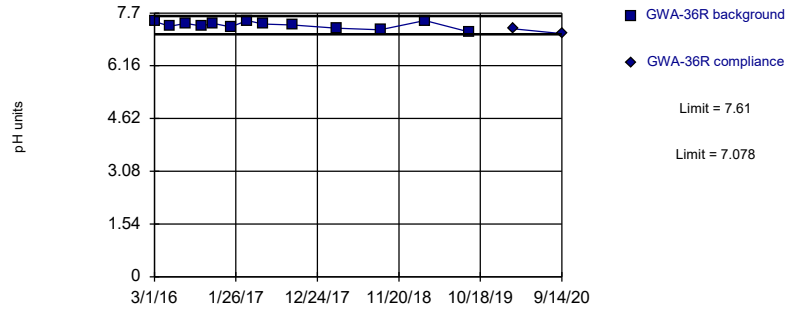


Background Data Summary: Mean=6.91, Std. Dev.=0.2008, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

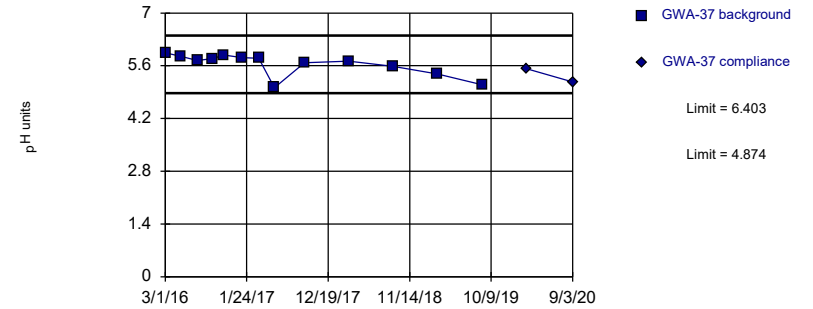


Background Data Summary: Mean=7.344, Std. Dev.=0.1029, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9622, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

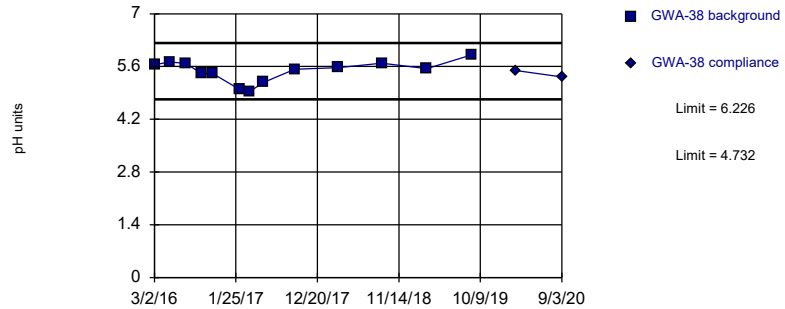


Background Data Summary: Mean=5.638, Std. Dev.=0.2954, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8176, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

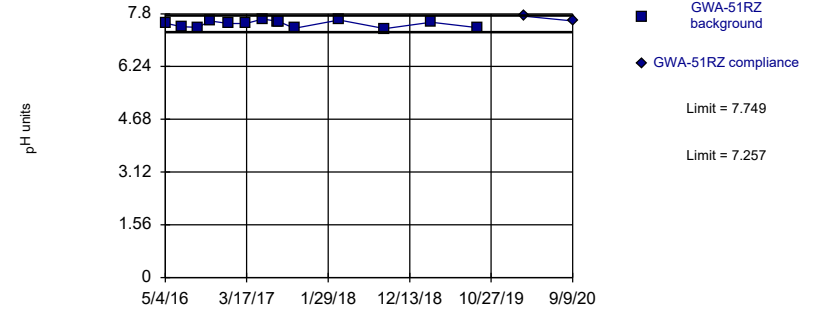


Background Data Summary: Mean=5.479, Std. Dev.=0.2887, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

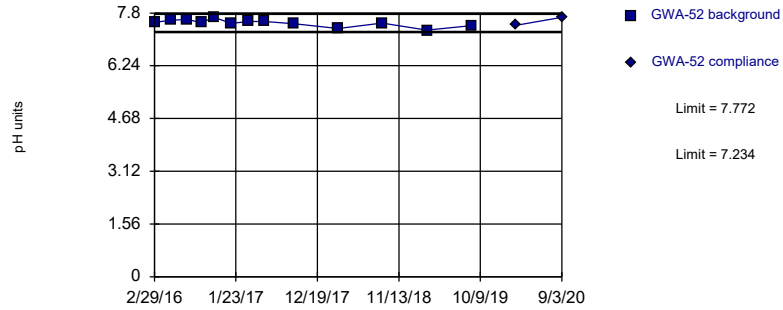


Background Data Summary: Mean=7.503, Std. Dev.=0.09723, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9111, critical = 0.825. Kappa = 2.532 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

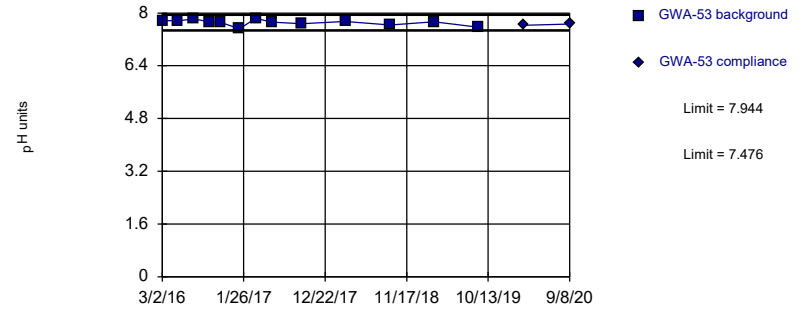


Background Data Summary: Mean=7.503, Std. Dev.=0.104, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.952, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

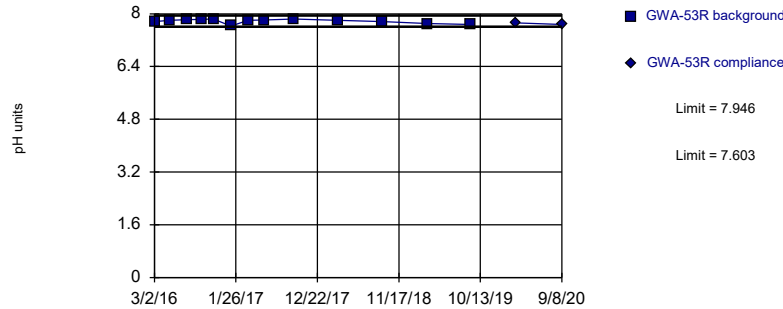


Background Data Summary: Mean=7.71, Std. Dev.=0.09055, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9359, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

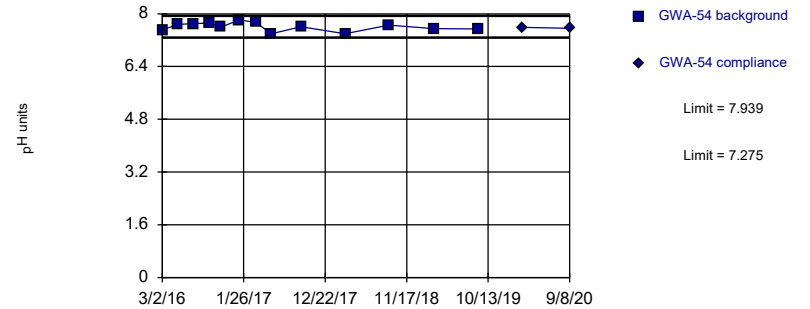


Background Data Summary: Mean=7.775, Std. Dev.=0.06628, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8592, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

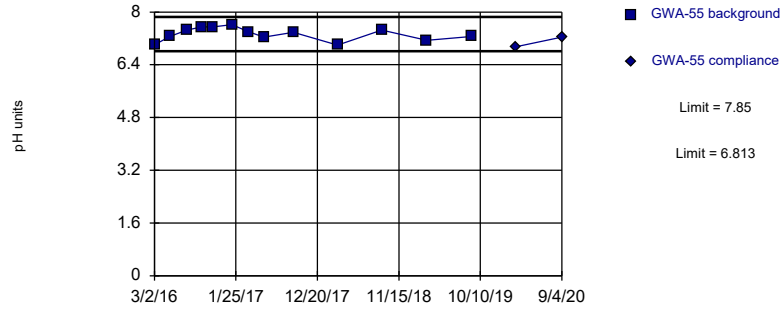


Background Data Summary: Mean=7.607, Std. Dev.=0.1283, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

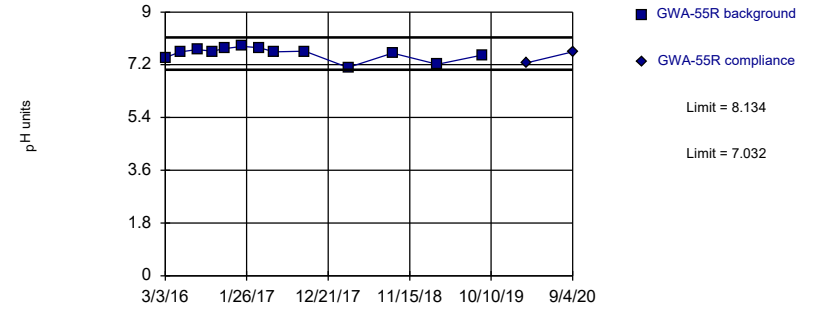


Background Data Summary: Mean=7.332, Std. Dev.=0.2005, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9445, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

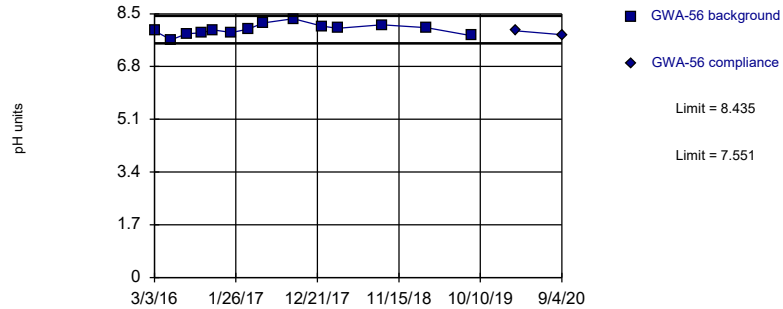


Background Data Summary: Mean=7.583, Std. Dev.=0.2129, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8676, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

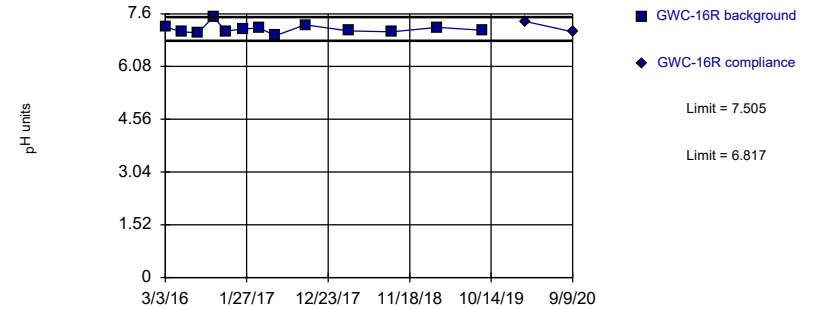


Background Data Summary: Mean=7.993, Std. Dev.=0.1746, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9953, critical = 0.825. Kappa = 2.532 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

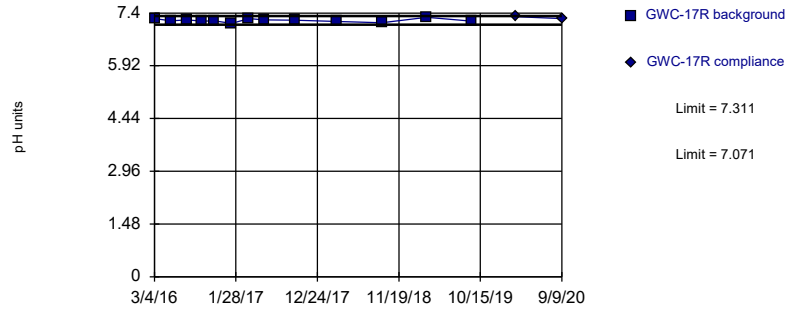


Background Data Summary: Mean=7.161, Std. Dev.=0.1329, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8906, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

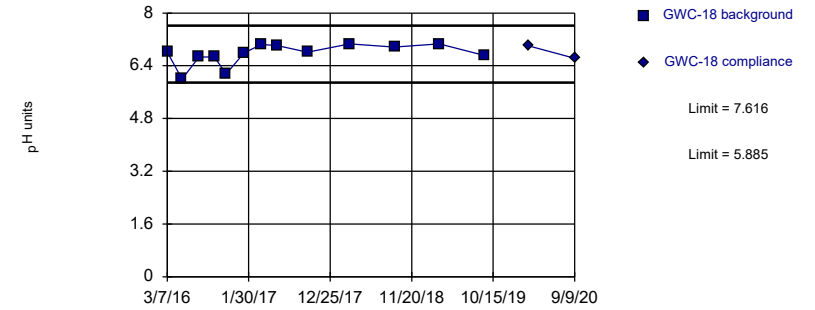


Background Data Summary: Mean=7.191, Std. Dev.=0.04645, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9798, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

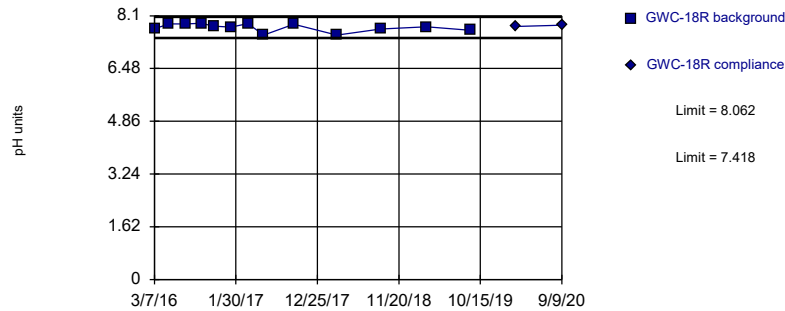


Background Data Summary: Mean=6.751, Std. Dev.=0.3346, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8196, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

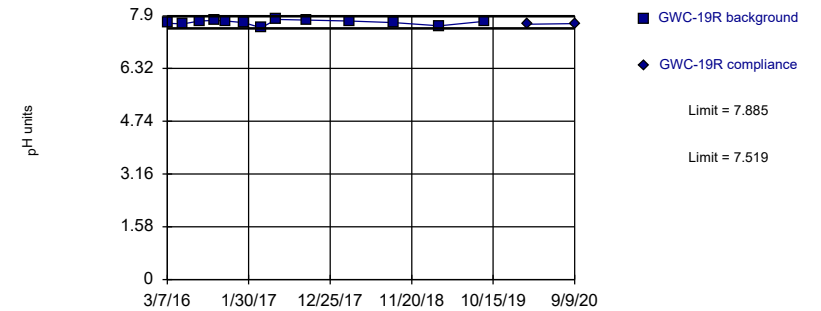


Background Data Summary: Mean=7.74, Std. Dev.=0.1244, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8701, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

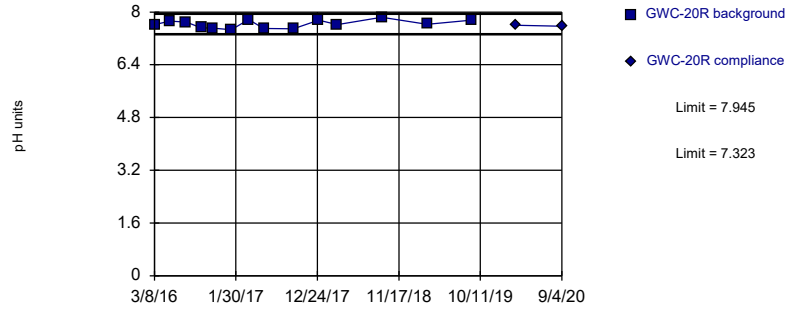


Background Data Summary: Mean=7.702, Std. Dev.=0.07073, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

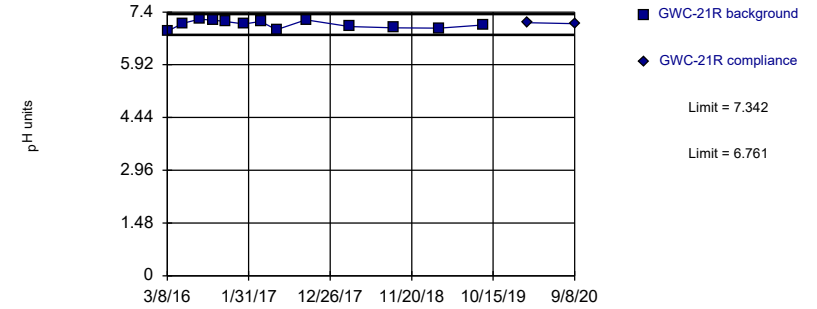


Background Data Summary: Mean=7.634, Std. Dev.=0.1228, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9311, critical = 0.825. Kappa = 2.532 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

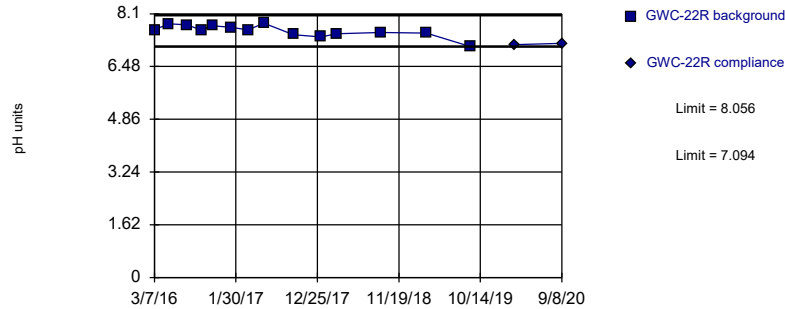


Background Data Summary: Mean=7.052, Std. Dev.=0.1123, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9426, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

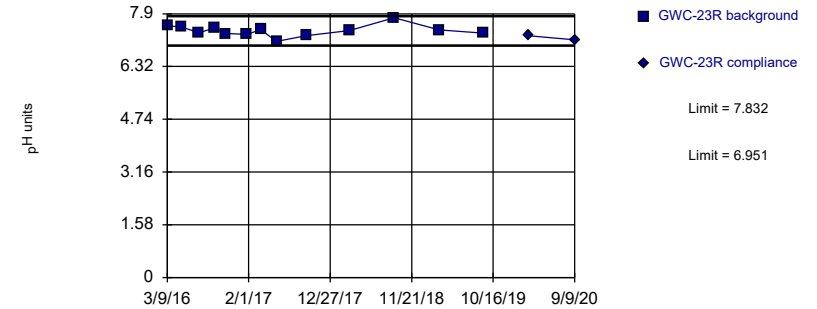


Background Data Summary: Mean=7.575, Std. Dev.=0.19, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9133, critical = 0.825. Kappa = 2.532 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

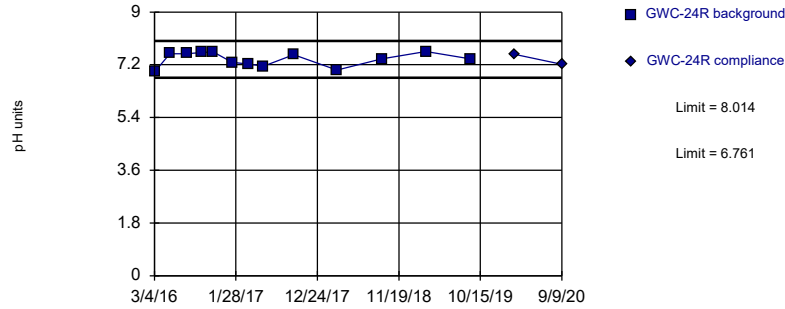


Background Data Summary: Mean=7.392, Std. Dev.=0.1702, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9597, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

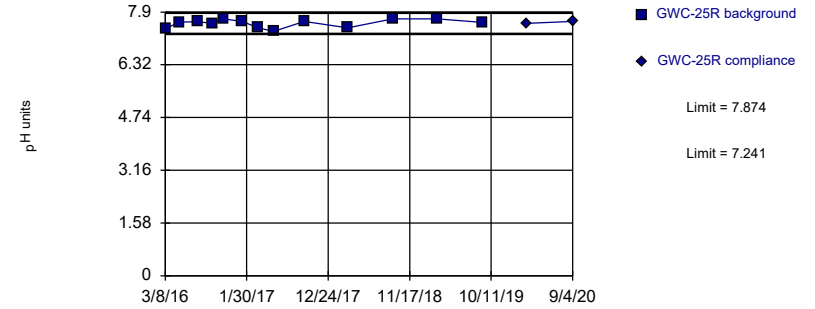


Background Data Summary: Mean=7.388, Std. Dev.=0.2421, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.898, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

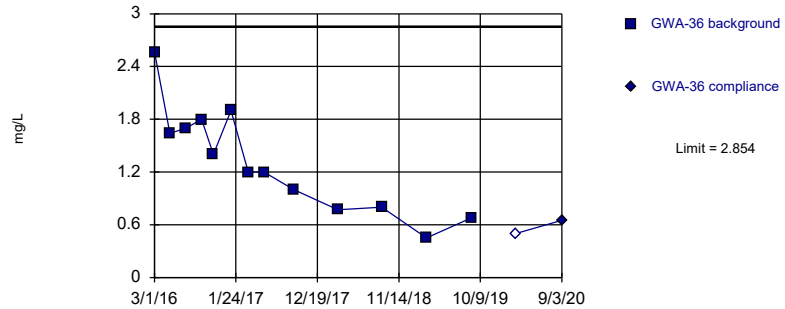


Background Data Summary: Mean=7.558, Std. Dev.=0.1224, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8787, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

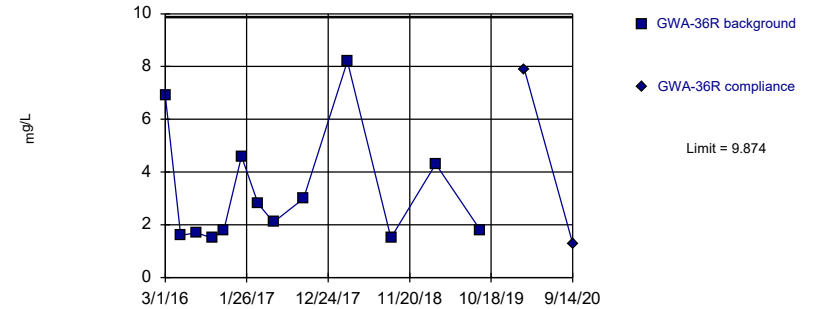


Background Data Summary: Mean=1.316, Std. Dev.=0.5945, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9644, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

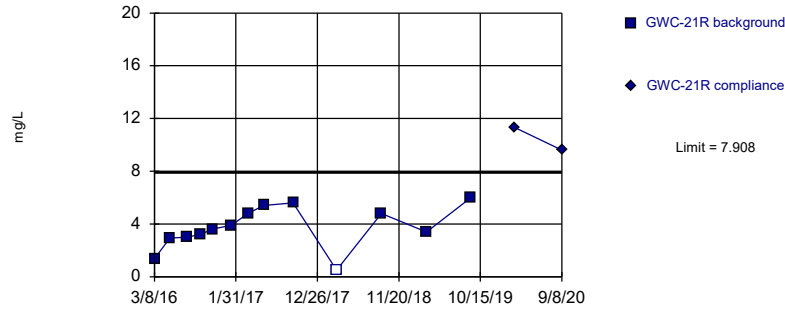


Background Data Summary (based on square root transformation): Mean=1.713, Std. Dev.=0.5527, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.834, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Exceeds Limit

Prediction Limit
 Intrawell Parametric

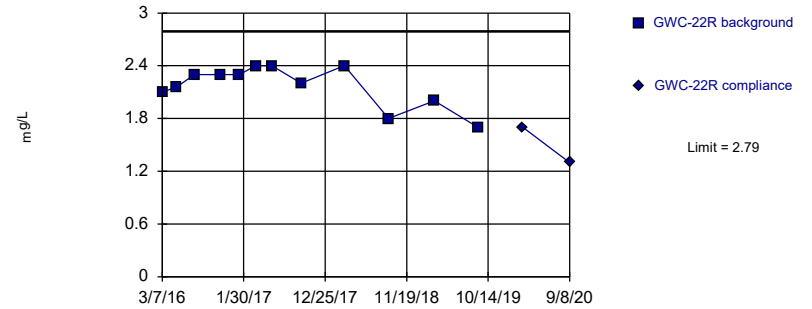


Background Data Summary: Mean=3.733, Std. Dev.=1.614, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9512, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

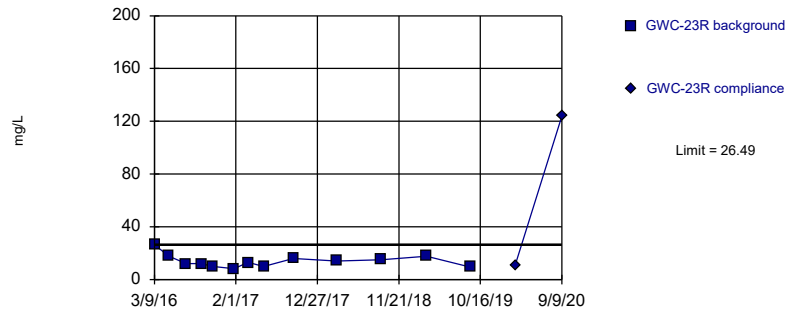


Background Data Summary: Mean=2.172, Std. Dev.=0.2339, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8713, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Exceeds Limit

Prediction Limit
 Intrawell Parametric

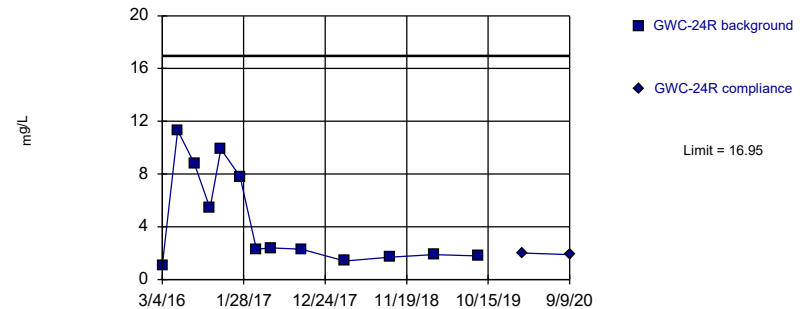


Background Data Summary: Mean=13.96, Std. Dev.=4.844, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.887, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

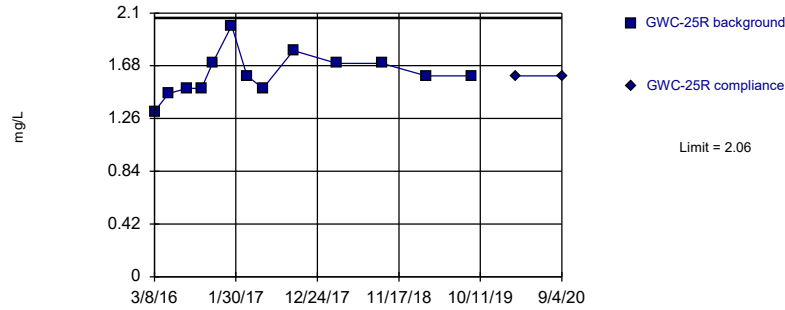


Background Data Summary (based on square root transformation): Mean=1.955, Std. Dev.=0.8353, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8395, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

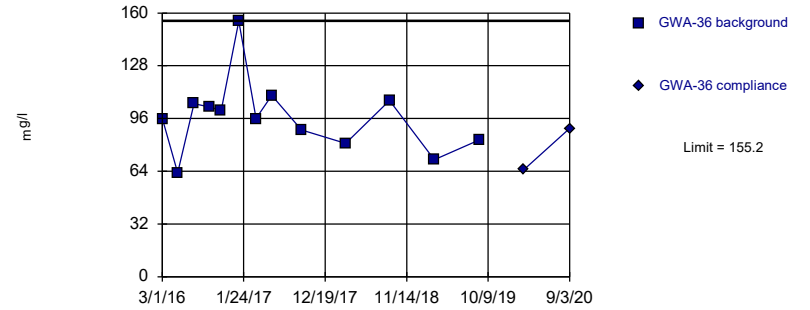


Background Data Summary: Mean=1.614, Std. Dev.=0.1727, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9529, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

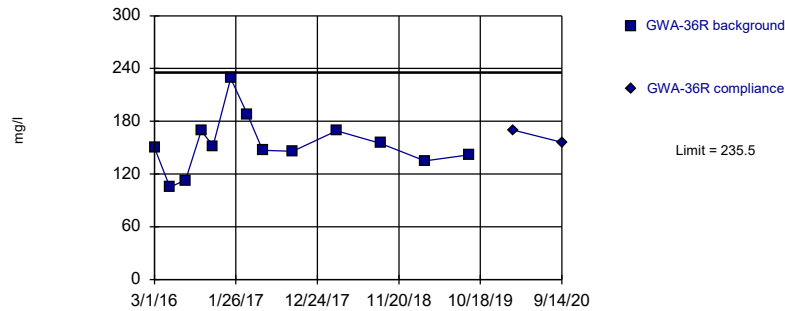


Background Data Summary: Mean=96.92, Std. Dev.=22.54, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9004, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

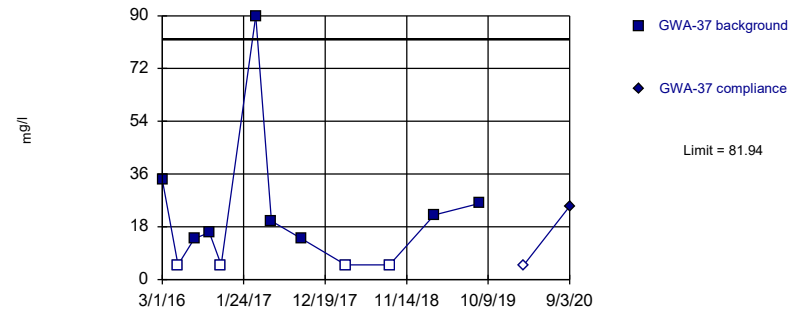


Background Data Summary: Mean=153.8, Std. Dev.=31.56, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9305, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

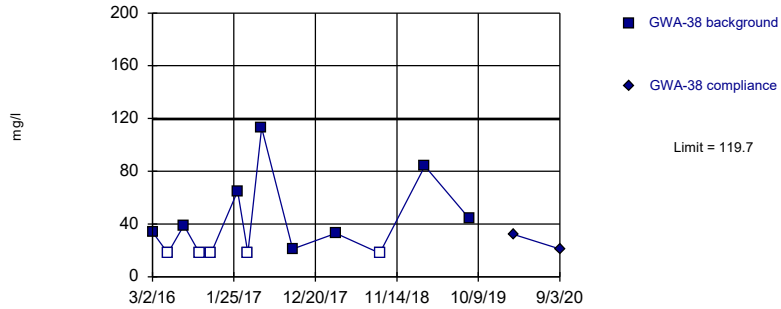
Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.428, Std. Dev.=1.75, n=12, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8341, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

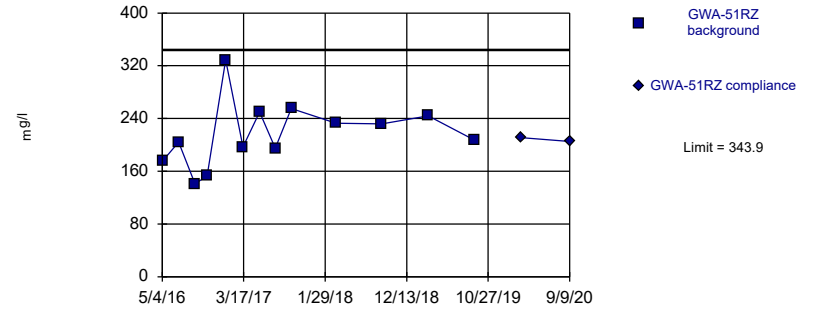
Within Limit Prediction Limit
 Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=6.448, Std. Dev.=1.736, n=13, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8299, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

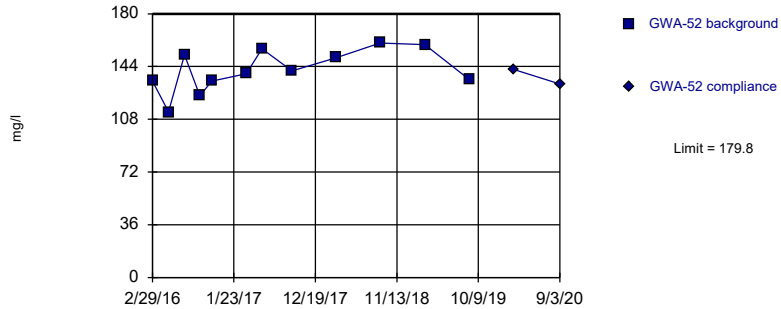
Within Limit Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=216.5, Std. Dev.=49.22, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9545, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

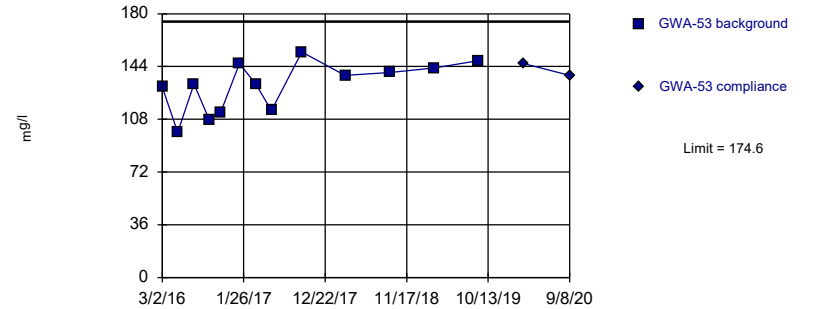
Within Limit Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=141.4, Std. Dev.=14.53, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

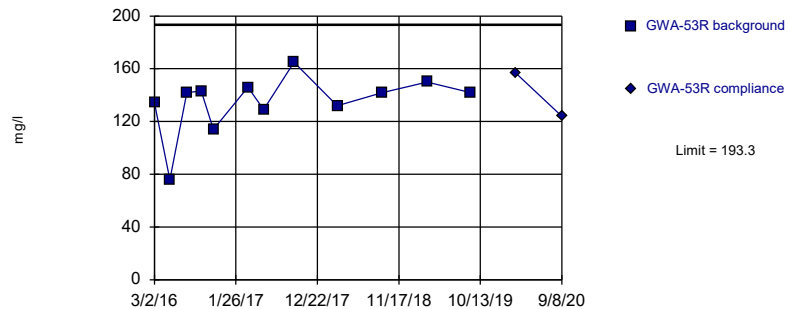
Within Limit Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=130.5, Std. Dev.=17.04, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

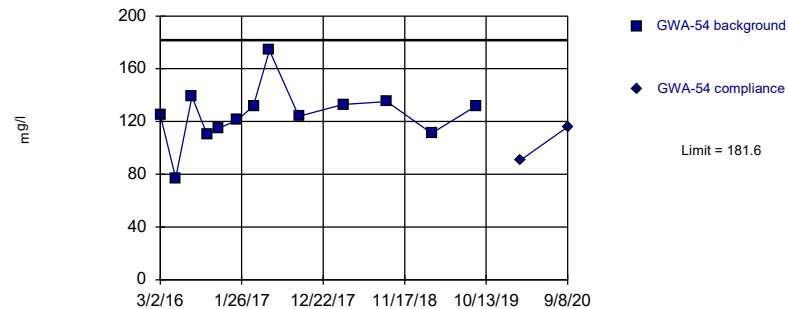
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=134.6, Std. Dev.=22.2, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.832, critical = 0.805. Kappa = 2.643 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

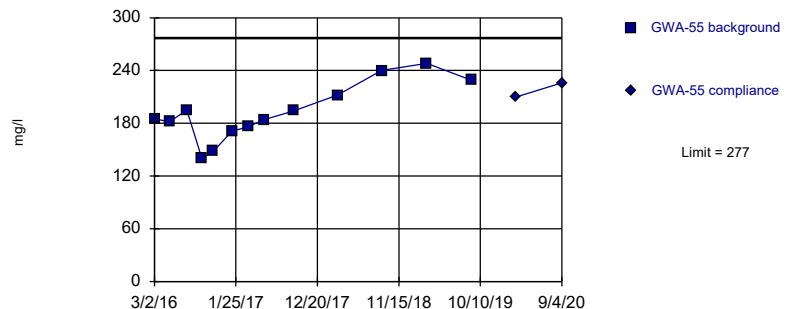
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=125.2, Std. Dev.=21.8, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9126, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

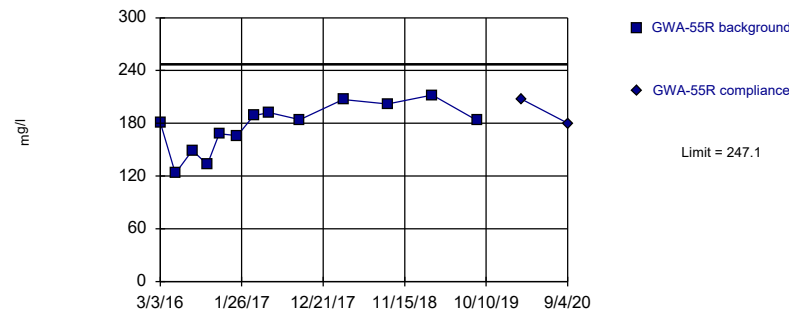
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=192.6, Std. Dev.=32.62, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9576, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit Prediction Limit
Intrawell Parametric

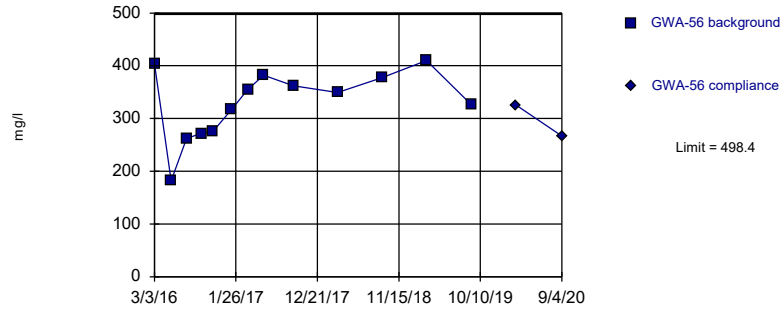


Background Data Summary: Mean=176.1, Std. Dev.=27.46, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9354, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

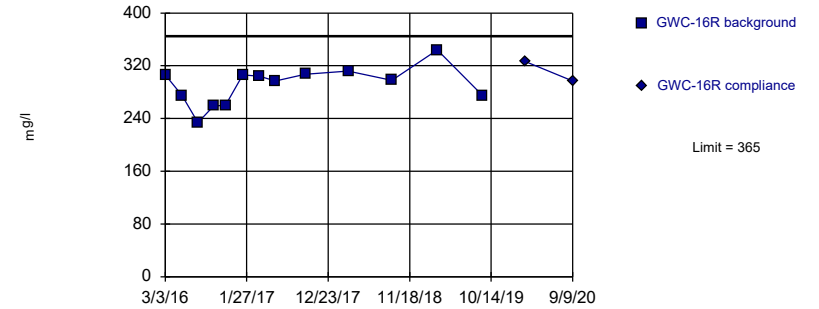


Background Data Summary: Mean=328.7, Std. Dev.=65.59, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.932, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

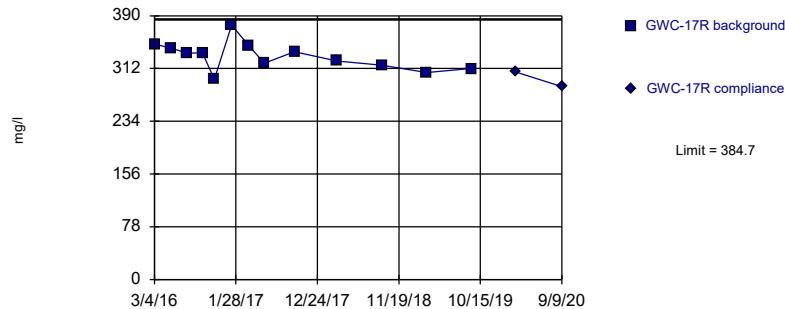


Background Data Summary: Mean=290.5, Std. Dev.=28.8, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

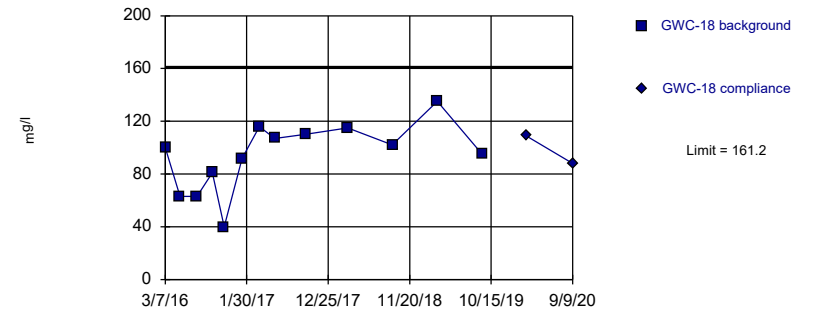


Background Data Summary: Mean=330.2, Std. Dev.=21.04, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.971, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:32 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit Intrawell Parametric

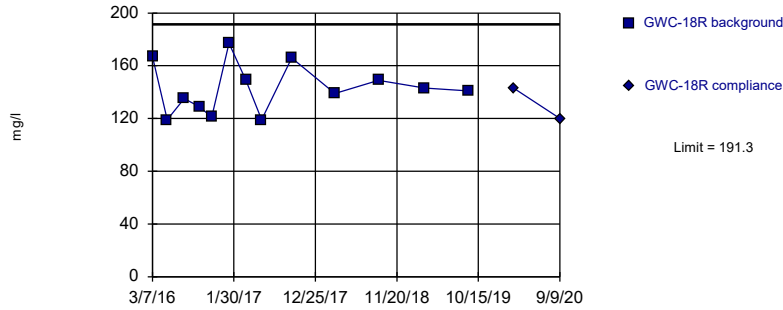


Background Data Summary: Mean=93.77, Std. Dev.=26.05, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9522, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:33 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

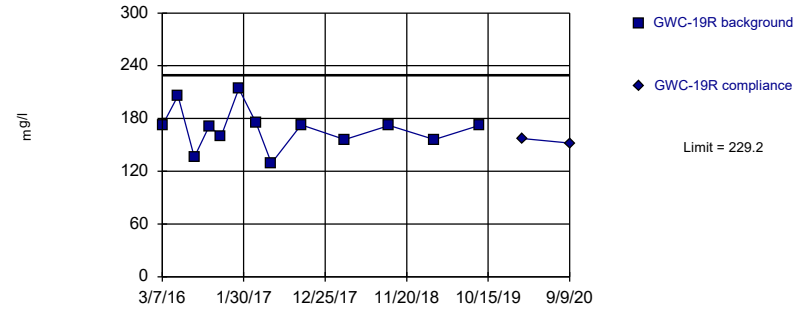


Background Data Summary: Mean=142.6, Std. Dev.=18.81, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9364, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:33 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

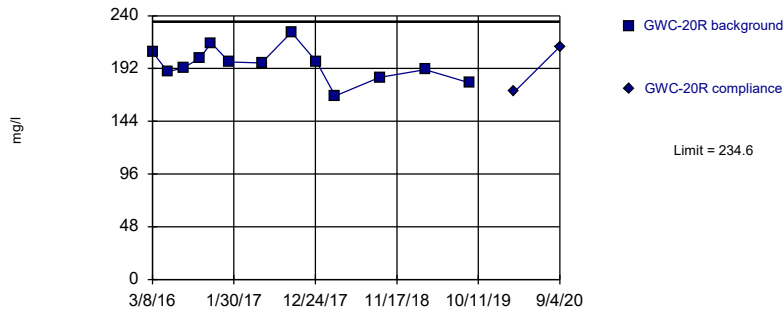


Background Data Summary: Mean=168.6, Std. Dev.=23.42, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:33 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

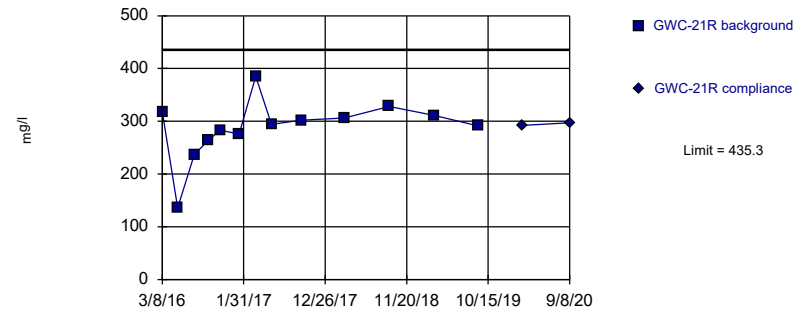


Background Data Summary: Mean=195.7, Std. Dev.=15.04, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9848, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:33 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=286.9, Std. Dev.=57.36, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8767, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 11/5/2020 5:33 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
3/1/2016	2.4587	
5/2/2016	2.28	
7/7/2016	2.4	
9/7/2016	2.3	
10/25/2016	2	
1/5/2017	2.5 (J)	
3/15/2017	2.1	
5/17/2017	1.8	
9/15/2017	2.1	
3/12/2018	2.2	
9/6/2018	2	
3/6/2019	2.4	
9/4/2019	2	
3/2/2020		2.1
9/3/2020		1.9

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
3/1/2016	3.096	
5/2/2016	2.92	
7/6/2016	3.2	
9/7/2016	3.4	
10/25/2016	3.4	
1/5/2017	3.3	
3/14/2017	2.9	
5/16/2017	2.9	
9/15/2017	2.7	
3/12/2018	3.2	
9/6/2018	2.7	
3/7/2019	2.8	
9/4/2019	2.7	
3/2/2020		2.4
9/14/2020		2.9

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
3/1/2016	1.2389	
5/3/2016	1.22	
7/8/2016	1.2	
9/7/2016	1	
10/25/2016	1.2	
1/6/2017	0.97	
3/14/2017	1	
5/16/2017	0.9	
9/15/2017	1.1	
3/12/2018	1.1	
9/6/2018	1	
3/6/2019	<1.1	
9/4/2019	0.81 (J)	
3/2/2020		0.78 (J)
9/3/2020		0.82 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
3/2/2016	2.4559	
5/3/2016	2.49	
7/7/2016	2.5	
9/8/2016	2.2	
10/25/2016	2.5	
2/9/2017	2	
3/23/2017	2.2	
5/17/2017	2.4	
9/19/2017	2.5	
3/13/2018	2.4	
9/6/2018	2.7	
3/7/2019	2.9	
9/4/2019	2.9	
3/2/2020		2.5
9/3/2020		2.9

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/4/2016	2.83 (D)	
7/7/2016	3.1 (D)	
9/8/2016	3 (D)	
10/26/2016	3 (D)	
1/6/2017	3.2 (D)	
3/15/2017	2.8 (D)	
5/18/2017	3 (D)	
7/19/2017	4.1 (D)	
9/19/2017	3.6 (D)	
3/13/2018	3.3	
9/7/2018	3.3	
3/8/2019	3.4	
9/4/2019	2.7	
3/3/2020		2.6
9/9/2020		2.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
2/29/2016	2.9988	
5/4/2016	1.83	
7/8/2016	2.2	
9/8/2016	2.2	
10/26/2016	2.2	
1/6/2017	2.1	
3/15/2017	2.3	
5/17/2017	1.9	
9/15/2017	2.1	
3/13/2018	3	
9/6/2018	1.9	
3/7/2019	3.6	
9/4/2019	1.3	
3/2/2020		4.9
9/3/2020		1.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
3/2/2016	2.3976	
5/3/2016	2.54	
7/8/2016	2.6	
9/8/2016	2.5	
10/26/2016	2.6	
1/9/2017	2.5	
3/16/2017	2.4	
5/19/2017	2.3	
9/19/2017	2.3	
3/13/2018	2.7	
9/11/2018	2.4	
3/8/2019	2.7	
9/5/2019	2.3	
3/4/2020		2.2
9/8/2020		2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
3/2/2016	2.556	
5/3/2016	2.59	
7/11/2016	2.6	
9/7/2016	2.6	
10/27/2016	3	
1/6/2017	2.5	
3/16/2017	2.5	
5/19/2017	2.3	
9/19/2017	2.4	
3/13/2018	2.6	
9/11/2018	2.4	
3/12/2019	3.3	
9/5/2019	2.4	
3/4/2020		2.3
9/8/2020		2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
3/2/2016	1.4496	
5/4/2016	1.42	
7/8/2016	1.6	
9/8/2016	1.2	
10/26/2016	1.4	
1/9/2017	1.5	
3/15/2017	1.1	
5/18/2017	1.3	
9/15/2017	1.2	
3/13/2018	0.93	
9/6/2018	1.1	
3/7/2019	<1.2	
9/5/2019	0.81 (J)	
3/3/2020		0.77 (J)
9/8/2020		0.8 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
3/2/2016	2.815	
5/3/2016	3.27	
7/11/2016	3.2	
9/9/2016	3	
10/26/2016	2.9	
1/9/2017	2.9	
3/16/2017	2.9	
5/18/2017	2.9	
9/15/2017	3.2	
3/12/2018	3.6	
9/7/2018	3.8	
3/8/2019	3.4	
9/5/2019	2.9	
3/3/2020		2.7
9/4/2020		3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
3/3/2016	2.6912	
5/3/2016	2.7	
7/11/2016	2.7	
9/9/2016	2.5	
10/27/2016	3	
1/9/2017	3.1	
3/16/2017	2.7	
5/18/2017	3.2	
9/18/2017	3	
3/12/2018	3.2	
9/7/2018	3.3	
3/7/2019	3.2	
9/5/2019	2.9	
3/4/2020		2.6
9/4/2020		2.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
3/3/2016	8.0925	
5/9/2016	2.99	
7/11/2016	4.4	
9/9/2016	5.6	
10/26/2016	6.5	
1/9/2017	6.7	
3/15/2017	7.8	
5/18/2017	7.1	
9/15/2017	8.4	
3/13/2018	6.9	
9/7/2018	6.9	
3/7/2019	6	
9/4/2019	4.8	
3/4/2020		4.5
9/4/2020		4.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
3/3/2016	1.3707 (D)	
5/10/2016	1.41	
7/13/2016	1.7	
9/15/2016	1.9	
11/2/2016	2.3	
1/11/2017	2	
3/20/2017	2.2	
5/23/2017	2	
9/21/2017	2.3	
3/14/2018	2.1	
9/7/2018	2.1	
3/11/2019	2.4	
9/9/2019	1.1	
3/4/2020		0.79 (J)
9/9/2020		1 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
3/4/2016	6.4905	
5/10/2016	7.1	
7/14/2016	6.4	
9/14/2016	6	
11/1/2016	7	
1/11/2017	6	
3/21/2017	6.1	
5/23/2017	6	
9/22/2017	6.2	
3/14/2018	6.1	
9/11/2018	6.7	
3/12/2019	6.9	
9/10/2019	4.5	
3/5/2020		4.5
9/9/2020		4.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
3/7/2016	2.0446	
5/5/2016	2.28	
7/13/2016	2.2	
9/13/2016	2	
10/31/2016	2.3	
1/12/2017	1.9	
3/23/2017	2.2	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.1	
9/11/2018	2.3	
3/12/2019	2.8	
9/9/2019	2	
3/6/2020		2.2
9/9/2020		2.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.2698	
5/5/2016	2.48	
7/13/2016	2.5	
9/12/2016	2.5	
11/1/2016	2.9	
1/11/2017	2.5	
3/20/2017	2.2	
5/22/2017	2.3	
9/21/2017	2.3	
3/14/2018	2.2	
9/7/2018	2.3	
3/12/2019	3.3	
9/6/2019	2.3	
3/5/2020		2.2
9/9/2020		2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
3/7/2016	2.3254	
5/9/2016	2.48	
7/14/2016	2.5	
9/12/2016	2.5	
10/31/2016	3	
1/11/2017	2.5	
3/21/2017	2.3	
5/22/2017	2.4	
9/20/2017	2.4	
3/14/2018	2.2	
9/10/2018	2.1	
3/12/2019	2.8	
9/9/2019	2.3	
3/4/2020		2.3
9/9/2020		2.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
3/8/2016	1.2699	
5/9/2016	1.39	
7/14/2016	1.7	
9/12/2016	1.6	
10/31/2016	1.9	
1/12/2017	1.8	
3/22/2017	2	
5/22/2017	1.9	
9/19/2017	1.9	
3/14/2018	2	
9/10/2018	1.6	
3/12/2019	2.7	
9/6/2019	1.6 (D)	
3/5/2020		1.5
9/4/2020		1.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
3/8/2016	4.2184	
5/9/2016	3.08	
7/15/2016	3.8	
9/9/2016	3.9	
10/27/2016	4.7	
1/12/2017	4.2	
3/21/2017	4.2	
5/23/2017	4.1	
9/19/2017	4.4	
3/14/2018	4.4	
9/10/2018	3.9	
3/11/2019	4.2	
9/6/2019	3.5	
3/3/2020		3.9
9/8/2020		4.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.6729	
5/5/2016	2.81	
7/14/2016	2.8	
9/12/2016	2.8	
10/27/2016	3.3	
1/13/2017	2.7	
3/20/2017	2.8	
5/23/2017	2.6	
9/19/2017	2.6	
3/13/2018	2.8	
9/7/2018	2.7	
3/11/2019	3.2	
9/5/2019	2.7	
3/3/2020		2.5
9/8/2020		2.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
3/9/2016	1.5349	
5/6/2016	1.63	
7/15/2016	2	
9/14/2016	2	
11/1/2016	2.4	
1/25/2017	2.1	
3/22/2017	2.2	
5/24/2017	2	
9/21/2017	2.4	
3/14/2018	2.2	
9/11/2018	2.4	
3/12/2019	2.4	
9/6/2019	1.4	
3/5/2020		1.3
9/9/2020		2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
3/4/2016	2.7291	
5/5/2016	2.54	
7/12/2016	2.6	
9/13/2016	2.5	
10/27/2016	3.1	
1/13/2017	2.7	
3/20/2017	2.6	
5/19/2017	2.5	
9/19/2017	2.3	
3/13/2018	<0.25	
9/11/2018	2.3	
3/8/2019	2.6	
9/5/2019	2.2	
3/3/2020		2.1
9/9/2020		2.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
3/8/2016	2.5307	
5/4/2016	2.76	
7/18/2016	2.8	
9/13/2016	2.7	
10/27/2016	3.2	
1/13/2017	2.6	
3/16/2017	2.6	
5/19/2017	2.6	
9/19/2017	2.4	
3/13/2018	2.7	
9/11/2018	2.4	
3/8/2019	2.8	
9/5/2019	2.5	
3/3/2020		2.4
9/4/2020		2.5

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
3/1/2016	7.07	
5/2/2016	7	
7/7/2016	7.15	
9/7/2016	7.2	
10/25/2016	7.12	
1/5/2017	7.05	
3/15/2017	6.84	
5/17/2017	6.78	
9/15/2017	6.7	
3/12/2018	6.6	
9/6/2018	6.83	
3/6/2019	6.64	
9/4/2019	6.85	
3/2/2020		6.58
9/3/2020		6.81

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
3/1/2016	7.45	
5/2/2016	7.31	
7/6/2016	7.4	
9/7/2016	7.32	
10/25/2016	7.4	
1/5/2017	7.29	
3/14/2017	7.48	
5/16/2017	7.38	
9/15/2017	7.35	
3/12/2018	7.26	
9/6/2018	7.21	
3/7/2019	7.48	
9/4/2019	7.14	
3/2/2020		7.24
9/14/2020		7.1

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
3/1/2016	5.94 (D)	
5/3/2016	5.85	
7/8/2016	5.74	
9/7/2016	5.79	
10/25/2016	5.88	
1/6/2017	5.82	
3/14/2017	5.8	
5/16/2017	5.02	
9/15/2017	5.68	
3/12/2018	5.72	
9/6/2018	5.59	
3/6/2019	5.38	
9/4/2019	5.09	
3/2/2020		5.52
9/3/2020		5.17

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
3/2/2016	5.65	
5/3/2016	5.72	
7/7/2016	5.68	
9/8/2016	5.42	
10/25/2016	5.41	
2/9/2017	4.99	
3/23/2017	4.94	
5/17/2017	5.18	
9/19/2017	5.53	
3/13/2018	5.57	
9/6/2018	5.69	
3/7/2019	5.54	
9/4/2019	5.91 (D)	
3/2/2020		5.49
9/3/2020		5.32

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/4/2016	7.52 (D)	
7/7/2016	7.42 (D)	
9/8/2016	7.4 (D)	
10/26/2016	7.59 (D)	
1/6/2017	7.51 (D)	
3/15/2017	7.51 (D)	
5/18/2017	7.64 (D)	
7/18/2017	7.58	
7/19/2017	7.58 (D)	
9/19/2017	7.37 (D)	
3/13/2018	7.62	
9/7/2018	7.36	
3/8/2019	7.55	
9/4/2019	7.39	
3/3/2020		7.73
9/9/2020		7.59

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
2/29/2016	7.52	
5/4/2016	7.59	
7/8/2016	7.61	
9/8/2016	7.52	
10/26/2016	7.67	
1/6/2017	7.49	
3/15/2017	7.55	
5/17/2017	7.55	
9/15/2017	7.48	
3/13/2018	7.34	
9/6/2018	7.5	
3/7/2019	7.29	
9/4/2019	7.43	
3/2/2020		7.44
9/3/2020		7.67

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
3/2/2016	7.77 (D)	
5/3/2016	7.76	
7/8/2016	7.82	
9/8/2016	7.73	
10/26/2016	7.71	
1/9/2017	7.52	
3/16/2017	7.84	
5/19/2017	7.72	
9/19/2017	7.68	
3/13/2018	7.74	
9/11/2018	7.64	
3/8/2019	7.73	
9/5/2019	7.57	
3/4/2020		7.63
9/8/2020		7.67

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
3/2/2016	7.76	
5/3/2016	7.8	
7/11/2016	7.82	
9/7/2016	7.83	
10/27/2016	7.84	
1/6/2017	7.63	
3/16/2017	7.8	
5/19/2017	7.81	
9/19/2017	7.84	
3/13/2018	7.8	
9/11/2018	7.76	
3/12/2019	7.7	
9/5/2019	7.68	
3/4/2020		7.72
9/8/2020		7.68

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
3/2/2016	7.51	
5/4/2016	7.68	
7/8/2016	7.7	
9/8/2016	7.71	
10/26/2016	7.6	
1/9/2017	7.81	
3/15/2017	7.74	
5/18/2017	7.39	
9/15/2017	7.61	
3/13/2018	7.39	
9/6/2018	7.66	
3/7/2019	7.55	
9/5/2019	7.54	
3/3/2020		7.59
9/8/2020		7.56

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
3/2/2016	7.01	
5/3/2016	7.26	
7/11/2016	7.45	
9/9/2016	7.55	
10/26/2016	7.55	
1/9/2017	7.62	
3/16/2017	7.4	
5/18/2017	7.24	
9/15/2017	7.38	
3/12/2018	7	
9/7/2018	7.45	
3/8/2019	7.14	
9/5/2019	7.26	
3/3/2020		6.95
9/4/2020		7.24

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
3/3/2016	7.44	
5/3/2016	7.64	
7/11/2016	7.72	
9/9/2016	7.66	
10/27/2016	7.75	
1/9/2017	7.83	
3/16/2017	7.78	
5/18/2017	7.64	
9/18/2017	7.66	
3/12/2018	7.11	
9/7/2018	7.6	
3/7/2019	7.22	
9/5/2019	7.53	
3/4/2020		7.27
9/4/2020		7.64

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
3/3/2016	7.95 (D)	
5/9/2016	7.66	
7/11/2016	7.86	
9/9/2016	7.89	
10/26/2016	7.98	
1/9/2017	7.9	
3/15/2017	8	
5/18/2017	8.21	
9/15/2017	8.34	
1/9/2018	8.1 (Y)	
3/13/2018	8.03	
9/7/2018	8.14	
3/7/2019	8.05	
9/4/2019	7.79	
3/4/2020		7.95
9/4/2020		7.82

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.22 (D)	
5/10/2016	7.08	
7/13/2016	7.05	
9/15/2016	7.51	
11/2/2016	7.1	
1/11/2017	7.16	
3/20/2017	7.19	
5/23/2017	6.97	
9/21/2017	7.28	
3/14/2018	7.11	
9/7/2018	7.08	
3/11/2019	7.21	
9/9/2019	7.13	
3/4/2020		7.37
9/9/2020		7.08

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
3/4/2016	7.24	
5/10/2016	7.18	
7/14/2016	7.21	
9/13/2016	7.17	
11/1/2016	7.18	
1/11/2017	7.11	
3/21/2017	7.24	
5/23/2017	7.21	
9/22/2017	7.2	
3/14/2018	7.16	
9/11/2018	7.13	
3/12/2019	7.28	
9/10/2019	7.17	
3/5/2020		7.3
9/9/2020		7.24

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
3/7/2016	6.81	
5/5/2016	6	
7/13/2016	6.67	
9/13/2016	6.67	
10/31/2016	6.15	
1/12/2017	6.79	
3/23/2017	7.04	
5/23/2017	7.02	
9/25/2017	6.81	
3/14/2018	7.06	
9/11/2018	6.97	
3/12/2019	7.06	
9/9/2019	6.71	
3/6/2020		7.01
9/9/2020		6.63

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
3/7/2016	7.7	
5/5/2016	7.85	
7/13/2016	7.85	
9/12/2016	7.87	
11/1/2016	7.78	
1/11/2017	7.75	
3/20/2017	7.86	
5/22/2017	7.51	
9/21/2017	7.84	
3/14/2018	7.51	
9/7/2018	7.69	
3/12/2019	7.76	
9/6/2019	7.65	
3/5/2020		7.77
9/9/2020		7.81

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
3/7/2016	7.68	
5/9/2016	7.66	
7/14/2016	7.74	
9/12/2016	7.76	
10/31/2016	7.74	
1/11/2017	7.69	
3/21/2017	7.54	
5/22/2017	7.79	
9/20/2017	7.77	
3/14/2018	7.74	
9/10/2018	7.69	
3/12/2019	7.6	
9/9/2019	7.73	
3/4/2020		7.65
9/9/2020		7.67

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
3/8/2016	7.62	
5/9/2016	7.72	
7/14/2016	7.69	
9/12/2016	7.52	
10/31/2016	7.51	
1/12/2017	7.46	
3/22/2017	7.77	
5/22/2017	7.5	
9/19/2017	7.49	
12/29/2017	7.75 (Y)	
3/14/2018	7.62	
9/10/2018	7.84	
3/12/2019	7.63	
9/6/2019	7.75 (D)	
3/5/2020		7.6
9/4/2020		7.57

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
3/8/2016	6.86	
5/9/2016	7.08	
7/15/2016	7.2	
9/9/2016	7.17	
10/27/2016	7.14	
1/12/2017	7.06	
3/21/2017	7.14	
5/23/2017	6.9	
9/19/2017	7.18	
3/14/2018	6.99	
9/10/2018	6.96	
3/11/2019	6.95	
9/6/2019	7.04	
3/3/2020		7.1
9/8/2020		7.07

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
3/7/2016	7.61	
5/5/2016	7.79	
7/14/2016	7.76	
9/12/2016	7.6	
10/27/2016	7.73	
1/13/2017	7.68	
3/20/2017	7.6	
5/23/2017	7.81	
9/19/2017	7.46	
1/9/2018	7.39 (Y)	
3/13/2018	7.49	
9/7/2018	7.53	
3/11/2019	7.51	
9/5/2019	7.09	
3/3/2020		7.15
9/8/2020		7.19

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
3/9/2016	7.54	
5/6/2016	7.5	
7/15/2016	7.33	
9/14/2016	7.47	
11/1/2016	7.31	
1/25/2017	7.28	
3/22/2017	7.43	
5/24/2017	7.07	
9/21/2017	7.24	
3/14/2018	7.4	
9/11/2018	7.78	
3/12/2019	7.42	
9/6/2019	7.32	
3/5/2020		7.24
9/9/2020		7.12

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
3/4/2016	6.95	
5/5/2016	7.58	
7/12/2016	7.58	
9/13/2016	7.62	
10/27/2016	7.64	
1/13/2017	7.28	
3/20/2017	7.23	
5/19/2017	7.15	
9/19/2017	7.54	
3/13/2018	7.02	
9/11/2018	7.4	
3/8/2019	7.65	
9/5/2019	7.4 (D)	
3/3/2020		7.55
9/9/2020		7.22

Prediction Limit

Constituent: pH (pH units) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
3/8/2016	7.4	
5/4/2016	7.6	
7/18/2016	7.61	
9/13/2016	7.56	
10/27/2016	7.69	
1/13/2017	7.62	
3/16/2017	7.43	
5/19/2017	7.32	
9/19/2017	7.62	
3/13/2018	7.43	
9/11/2018	7.69	
3/8/2019	7.69	
9/5/2019	7.59	
3/3/2020		7.56
9/4/2020		7.62

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
3/1/2016	2.5655	
5/2/2016	1.64	
7/7/2016	1.7	
9/7/2016	1.8	
10/25/2016	1.4	
1/5/2017	1.9 (J)	
3/15/2017	1.2	
5/17/2017	1.2	
9/15/2017	1	
3/12/2018	0.77 (J)	
9/6/2018	0.8 (J)	
3/6/2019	0.45 (J)	
9/4/2019	0.68 (J)	
3/2/2020		<1
9/3/2020		0.65 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
3/1/2016	6.8929	
5/2/2016	1.6	
7/6/2016	1.7	
9/7/2016	1.5	
10/25/2016	1.8	
1/5/2017	4.6	
3/14/2017	2.8	
5/16/2017	2.1	
9/15/2017	3	
3/12/2018	8.2	
9/6/2018	1.5	
3/7/2019	4.3	
9/4/2019	1.8	
3/2/2020		7.9
9/14/2020		1.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
3/1/2016	0.9427 (J)	
5/3/2016	0.87 (J)	
7/8/2016	0.79 (J)	
9/7/2016	0.85 (J)	
10/25/2016	0.74 (J)	
1/6/2017	0.64 (J)	
3/14/2017	0.77 (J)	
5/16/2017	0.48 (J)	
9/15/2017	0.76 (J)	
3/12/2018	0.42 (J)	
9/6/2018	0.37 (J)	
3/6/2019	0.46 (J)	
9/4/2019	<1	
3/2/2020		<1
9/3/2020		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
3/2/2016	2.5669	
5/3/2016	1.83	
7/7/2016	1.8	
9/8/2016	0.97 (J)	
10/25/2016	1.2	
2/9/2017	0.31 (J)	
3/23/2017	0.54 (J)	
5/17/2017	0.66 (J)	
9/19/2017	2	
3/13/2018	1.5	
9/6/2018	1.4	
3/7/2019	1.1	
9/4/2019	0.83 (J)	
3/2/2020		0.5 (J)
9/3/2020		0.58 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/4/2016	16.8 (D)	
7/7/2016	18 (D)	
9/8/2016	18 (D)	
10/26/2016	20 (D)	
1/6/2017	21 (D)	
3/15/2017	17 (D)	
5/18/2017	19 (D)	
7/19/2017	10 (D)	
9/19/2017	22 (D)	
3/13/2018	27.3	
9/7/2018	26.9	
3/8/2019	23.6	
9/4/2019	22.9	
3/3/2020		21.5
9/9/2020		21.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
2/29/2016	5.7396	
5/4/2016	6.87	
7/8/2016	8.1	
9/8/2016	6.6	
10/26/2016	4.7	
1/6/2017	4.8	
3/15/2017	3.9	
5/17/2017	5.2	
9/15/2017	4.4	
3/13/2018	8.5	
9/6/2018	7.2	
3/7/2019	12.7	
9/4/2019	4.2	
3/2/2020		16.3
9/3/2020		3.5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
3/2/2016	1.799	
5/3/2016	1.94	
7/8/2016	2	
9/8/2016	1.9	
10/26/2016	2.1	
1/9/2017	1.9	
3/16/2017	2	
5/19/2017	2	
9/19/2017	2	
3/13/2018	1.9	
9/11/2018	1.9	
3/8/2019	1.8	
9/5/2019	1.5	
3/4/2020		1.5
9/8/2020		1.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
3/2/2016	2.0407	
5/3/2016	1.86	
7/11/2016	2	
9/7/2016	1.9	
10/27/2016	2.1	
1/6/2017	2	
3/16/2017	1.9	
5/19/2017	1.9	
9/19/2017	2.1	
3/13/2018	1.9	
9/11/2018	1.8	
3/12/2019	2.2	
9/5/2019	1.5	
3/4/2020		1.7
9/8/2020		1.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
3/2/2016	7.1892	
5/4/2016	7.22	
7/8/2016	6.7	
9/8/2016	7	
10/26/2016	6.4	
1/9/2017	5.9	
3/15/2017	6.2	
5/18/2017	6.1	
9/15/2017	5.8	
3/13/2018	4.9	
9/6/2018	3.5	
3/7/2019	2.6	
9/5/2019	2.4	
3/3/2020		1.7
9/8/2020		1.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
3/2/2016	32.178	
5/3/2016	39.2	
7/11/2016	16	
9/9/2016	9.7	
10/26/2016	9.2	
1/9/2017	9.3	
3/16/2017	6.9	
5/18/2017	7.9	
9/15/2017	17	
3/12/2018	28.7	
9/7/2018	27.4	
3/8/2019	31.8	
9/5/2019	21.5	
3/3/2020		29
9/4/2020		20.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
3/3/2016	22.316	
5/3/2016	20.8	
7/11/2016	17	
9/9/2016	14	
10/27/2016	15	
1/9/2017	17	
3/16/2017	15	
5/18/2017	24	
9/18/2017	22	
3/12/2018	22	
9/7/2018	22.4	
3/7/2019	25	
9/5/2019	22.7	
3/4/2020		23.4
9/4/2020		16.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
3/3/2016	132.4615	
5/9/2016	34.3	
7/11/2016	58	
9/9/2016	66	
10/26/2016	76	
1/9/2017	85	
3/15/2017	100	
5/18/2017	87	
9/15/2017	110	
3/13/2018	94.8	
9/7/2018	101	
3/7/2019	88.7	
9/4/2019	67.8	
3/4/2020		69.4
9/4/2020		54.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.1809 (D)	
5/10/2016	4.6	
7/13/2016	2.3	
9/15/2016	5.6	
11/2/2016	7.5	
1/11/2017	8.3	
3/20/2017	10	
5/23/2017	9.5	
9/21/2017	8.9	
3/14/2018	8.8	
9/7/2018	6.5	
3/11/2019	11	
9/9/2019	3.8	
3/4/2020		8.4
9/9/2020		2.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
3/4/2016	9.3417	
5/10/2016	6.65	
7/14/2016	5.7	
9/14/2016	5.8	
11/1/2016	6.6	
1/11/2017	6.5	
3/21/2017	6.4	
5/23/2017	6.3	
9/22/2017	6.9	
3/14/2018	7	
9/11/2018	5.8	
3/12/2019	25.9 (O)	
9/10/2019	6	
3/5/2020		7.7
9/9/2020		5.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
3/7/2016	1.7468	
5/5/2016	2.27	
7/13/2016	2.1	
9/13/2016	2.1	
10/31/2016	1.5	
1/12/2017	1.9	
3/23/2017	2.1	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.2	
9/11/2018	2	
3/12/2019	2.3	
9/9/2019	1.8	
3/6/2020		2
9/9/2020		1.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.3258	
5/5/2016	2.42	
7/13/2016	2.5	
9/12/2016	2.3	
1/11/2017	2.5	
3/20/2017	2.4	
5/22/2017	2.5	
9/21/2017	2.4	
3/14/2018	2.2	
9/7/2018	2.2	
3/12/2019	2.6	
9/6/2019	2	
3/5/2020		1.9
9/9/2020		1.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
3/7/2016	3.3556	
5/9/2016	3.62	
7/14/2016	3.5	
9/12/2016	3.3	
10/31/2016	3.5	
1/11/2017	3.2	
3/21/2017	3.4	
5/22/2017	3.3	
9/20/2017	3.4	
3/14/2018	3.4	
9/10/2018	3.4	
3/12/2019	4.3	
9/9/2019	3.7	
3/4/2020		3.6
9/9/2020		3.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
3/8/2016	0.0196 (J)	
5/9/2016	1.15	
7/14/2016	1.3	
9/12/2016	1.3	
10/31/2016	1.4	
1/12/2017	1.4	
3/22/2017	1.7	
5/22/2017	1.5	
9/19/2017	1.3	
3/14/2018	1.6	
9/10/2018	1.7	
3/12/2019	1.5	
9/6/2019	1.45 (D)	
3/5/2020		1.1
9/4/2020		1.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
3/8/2016	1.3858	
5/9/2016	2.94	
7/15/2016	3	
9/9/2016	3.2	
10/27/2016	3.6	
1/12/2017	3.9	
3/21/2017	4.8	
5/23/2017	5.4	
9/19/2017	5.6	
3/14/2018	<1	
9/10/2018	4.8	
3/11/2019	3.4	
9/6/2019	6	
3/3/2020		11.3
9/8/2020		9.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.1008	
5/5/2016	2.16	
7/14/2016	2.3	
10/27/2016	2.3	
1/13/2017	2.3	
3/20/2017	2.4	
5/23/2017	2.4	
9/19/2017	2.2	
3/13/2018	2.4	
9/7/2018	1.8	
3/11/2019	2	
9/5/2019	1.7	
3/3/2020		1.7
9/8/2020		1.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
3/9/2016	26.4322	
5/6/2016	17.7	
7/15/2016	12	
9/14/2016	12	
11/1/2016	10	
1/25/2017	8.2	
3/22/2017	13	
5/24/2017	10	
9/21/2017	16	
3/14/2018	14	
9/11/2018	14.9	
3/12/2019	17.7	
9/6/2019	9.5	
3/5/2020		10.8
9/9/2020		124

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
3/4/2016	1.0816	
5/5/2016	11.3	
7/12/2016	8.8	
9/13/2016	5.4	
10/27/2016	9.9	
1/13/2017	7.8	
3/20/2017	2.3	
5/19/2017	2.4	
9/19/2017	2.3	
3/13/2018	1.4	
9/11/2018	1.7	
3/8/2019	1.9	
9/5/2019	1.8 (D)	
3/3/2020		2
9/9/2020		1.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
3/8/2016	1.3157	
5/4/2016	1.46	
7/18/2016	1.5	
9/13/2016	1.5	
10/27/2016	1.7	
1/13/2017	2	
3/16/2017	1.6	
5/19/2017	1.5	
9/19/2017	1.8	
3/13/2018	1.7	
9/11/2018	1.7	
3/8/2019	1.6	
9/5/2019	1.6	
3/3/2020		1.6
9/4/2020		1.6

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36	GWA-36
3/1/2016	96 (D)	
5/2/2016	63 (D)	
7/7/2016	105 (D)	
9/7/2016	103 (D)	
10/25/2016	101 (D)	
1/5/2017	155	
3/15/2017	96	
5/17/2017	110	
9/15/2017	89	
3/12/2018	81	
9/6/2018	107	
3/6/2019	71 (J)	
9/4/2019	83	
3/2/2020		65
9/3/2020		90

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-36R	GWA-36R
3/1/2016	150 (D)	
5/2/2016	105 (D)	
7/6/2016	113 (D)	
9/7/2016	169 (D)	
10/25/2016	152 (D)	
1/5/2017	229	
3/14/2017	188	
5/16/2017	147	
9/15/2017	146	
3/12/2018	169	
9/6/2018	155	
3/7/2019	135	
9/4/2019	142	
3/2/2020		170
9/14/2020		156

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-37	GWA-37
3/1/2016	34 (D)	
5/3/2016	<10 (D)	
7/8/2016	14 (JD)	
9/7/2016	16 (JD)	
10/25/2016	<10 (D)	
1/6/2017	189 (O)	
3/14/2017	90	
5/16/2017	20 (J)	
9/15/2017	14 (J)	
3/12/2018	<10	
9/6/2018	<10	
3/6/2019	22 (J)	
9/4/2019	26	
3/2/2020		<10
9/3/2020		25

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-38	GWA-38
3/2/2016	34 (D)	
5/3/2016	<36 (D)	
7/7/2016	39 (D)	
9/8/2016	<36 (D)	
10/25/2016	<36 (D)	
2/9/2017	65	
3/23/2017	<36	
5/17/2017	113	
9/19/2017	21 (J)	
3/13/2018	33	
9/6/2018	<36	
3/7/2019	84	
9/4/2019	44	
3/2/2020		32
9/3/2020		21

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-51RZ	GWA-51RZ
5/4/2016	175 (D)	
7/7/2016	204 (D)	
9/8/2016	141 (D)	
10/26/2016	153 (D)	
1/6/2017	329 (D)	
3/15/2017	197 (D)	
5/18/2017	250 (D)	
7/19/2017	195 (D)	
9/19/2017	255 (D)	
3/13/2018	233	
9/7/2018	232	
3/8/2019	244	
9/4/2019	207	
3/3/2020		211
9/9/2020		205

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52	GWA-52
2/29/2016	134 (D)	
5/4/2016	113 (D)	
7/8/2016	152 (D)	
9/8/2016	124 (D)	
10/26/2016	134 (D)	
3/15/2017	139	
5/17/2017	156	
9/15/2017	141	
3/13/2018	150	
9/6/2018	160	
3/7/2019	159	
9/4/2019	135	
3/2/2020		142
9/3/2020		132

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53	GWA-53
3/2/2016	130 (D)	
5/3/2016	99 (D)	
7/8/2016	132 (D)	
9/8/2016	108 (D)	
10/26/2016	113 (D)	
1/9/2017	146	
3/16/2017	132	
5/19/2017	114	
9/19/2017	154	
3/13/2018	138	
9/11/2018	140	
3/8/2019	143	
9/5/2019	148	
3/4/2020		146
9/8/2020		138

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-53R	GWA-53R
3/2/2016	134 (D)	
5/3/2016	76 (D)	
7/11/2016	142 (D)	
9/7/2016	143 (D)	
10/27/2016	114 (D)	
3/16/2017	146	
5/19/2017	129	
9/19/2017	165	
3/13/2018	132	
9/11/2018	142	
3/12/2019	150 (J)	
9/5/2019	142	
3/4/2020		157
9/8/2020		124

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-54	GWA-54
3/2/2016	125 (D)	
5/4/2016	77 (D)	
7/8/2016	139 (D)	
9/8/2016	110 (D)	
10/26/2016	115 (D)	
1/9/2017	121	
3/15/2017	132	
5/18/2017	174	
9/15/2017	124	
3/13/2018	133	
9/6/2018	135	
3/7/2019	111	
9/5/2019	132	
3/3/2020		91
9/8/2020		116

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55	GWA-55
3/2/2016	185 (D)	
5/3/2016	182 (D)	
7/11/2016	195 (D)	
9/9/2016	140 (D)	
10/26/2016	148 (D)	
1/9/2017	171	
3/16/2017	176	
5/18/2017	184	
9/15/2017	194	
3/12/2018	212	
9/7/2018	240	
3/8/2019	248	
9/5/2019	229	
3/3/2020		210
9/4/2020		226

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R	GWA-55R
3/3/2016	181 (D)	
5/3/2016	123 (D)	
7/11/2016	149 (D)	
9/9/2016	133 (D)	
10/27/2016	168 (D)	
1/9/2017	166	
3/16/2017	189	
5/18/2017	192	
9/18/2017	184	
3/12/2018	207	
9/7/2018	202	
3/7/2019	212	
9/5/2019	183	
3/4/2020		207
9/4/2020		180

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-56	GWA-56
3/3/2016	403 (D)	
5/9/2016	182 (D)	
7/11/2016	262 (D)	
9/9/2016	272 (D)	
10/26/2016	276 (D)	
1/9/2017	317	
3/15/2017	355	
5/18/2017	382	
9/15/2017	362	
3/13/2018	349	
9/7/2018	377	
3/7/2019	410	
9/4/2019	326	
3/4/2020		325
9/4/2020		267

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-16R	GWC-16R
3/3/2016	306 (D)	
5/10/2016	275 (D)	
7/13/2016	234 (D)	
9/15/2016	259 (D)	
11/2/2016	260 (D)	
1/11/2017	306	
3/20/2017	304	
5/23/2017	297	
9/21/2017	307	
3/14/2018	312	
9/7/2018	298	
3/11/2019	344	
9/9/2019	275	
3/4/2020		326
9/9/2020		297

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-17R	GWC-17R
3/4/2016	348 (D)	
5/10/2016	342 (D)	
7/14/2016	335 (D)	
9/14/2016	335 (D)	
11/1/2016	296 (D)	
1/11/2017	376	
3/21/2017	346	
5/23/2017	320	
9/22/2017	337	
3/14/2018	323	
9/11/2018	317	
3/12/2019	306	
9/10/2019	312	
3/5/2020		307
9/9/2020		285

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18	GWC-18
3/7/2016	100 (D)	
5/5/2016	63 (D)	
7/13/2016	63 (D)	
9/13/2016	81 (D)	
10/31/2016	40 (D)	
1/12/2017	92	
3/23/2017	116	
5/23/2017	107	
9/25/2017	110	
3/14/2018	115	
9/11/2018	102	
3/12/2019	135 (J)	
9/9/2019	95	
3/6/2020		109
9/9/2020		88

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-18R	GWC-18R
3/7/2016	167 (D)	
5/5/2016	119 (D)	
7/13/2016	135 (D)	
9/12/2016	129 (D)	
11/1/2016	121 (D)	
1/11/2017	177	
3/20/2017	149	
5/22/2017	119	
9/21/2017	166	
3/14/2018	139	
9/7/2018	149	
3/12/2019	143 (J)	
9/6/2019	141	
3/5/2020		143
9/9/2020		120

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-19R	GWC-19R
3/7/2016	172 (D)	
5/9/2016	206 (D)	
7/14/2016	136 (D)	
9/12/2016	171 (D)	
10/31/2016	160 (D)	
1/11/2017	214	
3/21/2017	175 (J)	
5/22/2017	129	
9/20/2017	173	
3/14/2018	156	
9/10/2018	172	
3/12/2019	156 (J)	
9/9/2019	172	
3/4/2020		157
9/9/2020		152

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-20R
3/8/2016	207 (D)	
5/9/2016	189 (D)	
7/14/2016	193 (D)	
9/12/2016	201 (D)	
10/31/2016	215 (D)	
1/12/2017	198	
5/22/2017	197	
9/19/2017	225	
12/29/2017	198 (Y)	
3/14/2018	167	
9/10/2018	184	
3/12/2019	191 (J)	
9/6/2019	179	
3/5/2020		171
9/4/2020		212

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-21R
3/8/2016	318 (D)	
5/9/2016	136 (D)	
7/15/2016	237 (D)	
9/9/2016	263 (D)	
10/27/2016	283 (D)	
1/12/2017	276	
3/21/2017	385	
5/23/2017	294	
9/19/2017	302	
3/14/2018	306	
9/10/2018	328	
3/11/2019	311	
9/6/2019	291	
3/3/2020		292
9/8/2020		297

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-22R	GWC-22R
3/7/2016	163 (D)	
5/5/2016	140 (D)	
7/14/2016	161 (D)	
9/12/2016	168 (D)	
10/27/2016	140 (D)	
1/13/2017	147 (J)	
3/20/2017	186	
5/23/2017	183	
9/19/2017	167	
3/13/2018	159	
9/7/2018	169	
3/11/2019	166	
9/5/2019	171	
3/3/2020		181
9/8/2020		157

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-23R	GWC-23R
3/9/2016	287 (D)	
5/6/2016	284 (D)	
7/15/2016	249 (D)	
9/14/2016	273 (D)	
11/1/2016	258 (D)	
1/25/2017	340	
3/22/2017	264	
5/24/2017	331	
9/21/2017	347	
3/14/2018	290	
9/11/2018	295	
3/12/2019	310 (J)	
9/6/2019	300	
3/5/2020		265
9/9/2020		501

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-24R	GWC-24R
3/4/2016	209 (D)	
5/5/2016	152 (D)	
7/12/2016	157 (D)	
9/13/2016	154 (D)	
10/27/2016	162 (D)	
1/13/2017	165	
3/20/2017	205 (J)	
5/19/2017	149	
9/19/2017	153	
3/13/2018	153	
9/11/2018	152	
3/8/2019	164	
9/5/2019	155.5 (D)	
3/3/2020		146
9/9/2020		155

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/5/2020 5:49 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-25R	GWC-25R
3/8/2016	177 (D)	
5/4/2016	97 (D)	
7/18/2016	150 (D)	
9/13/2016	159 (D)	
10/27/2016	143 (D)	
1/13/2017	158	
3/16/2017	167	
5/19/2017	150	
9/19/2017	146	
3/13/2018	153	
9/11/2018	153	
3/8/2019	155	
9/5/2019	177	
3/3/2020		183
9/4/2020		172

FIGURE F.

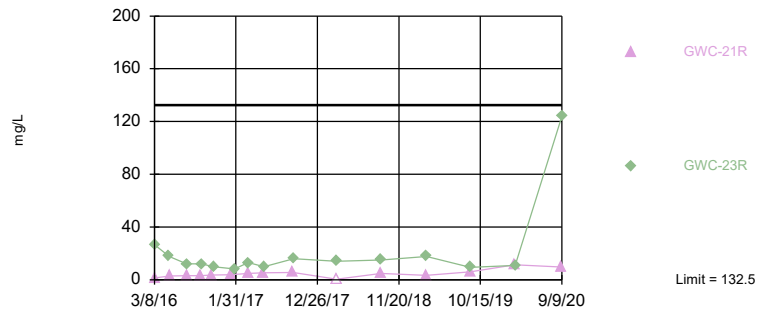
Federal Interwell Prediction Limit Summary for Intrawell Exceedances

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-21R	132.5	n/a	9/8/2020	9.6	No	180	n/a	n/a	2.222	n/a	n/a	0.00006051	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-23R	132.5	n/a	9/9/2020	124	No	180	n/a	n/a	2.222	n/a	n/a	0.00006051	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	9/9/2020	501	Yes	177	n/a	n/a	5.65	n/a	n/a	0.00006289	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

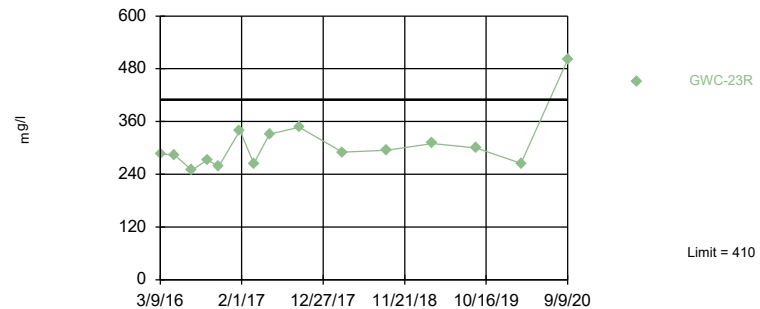


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 180 background values. 2.222% NDs. Annual per-constituent alpha = 0.00133. Individual comparison alpha = 0.00006051 (1 of 2). Comparing 2 points to limit. Assumes 9 future values.

Constituent: Sulfate Analysis Run 11/1/2020 1:30 PM View: PL's Interwell for Intra CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Exceeds Limit: GWC-23R

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 177 background values. 5.65% NDs. Annual per-constituent alpha = 0.001383. Individual comparison alpha = 0.00006289 (1 of 2). Assumes 10 future values.

Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:31 PM View: PL's Interwell for Intra CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/1/2020 1:32 PM View: PL's Interwell for Intra CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36R (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-53 (bg)	GWA-55 (bg)
9/10/2018									
9/11/2018						1.8		1.9	
3/6/2019		0.45 (J)		0.46 (J)					
3/7/2019	12.7		4.3		1.1		2.6		
3/8/2019								1.8	31.8
3/11/2019									
3/12/2019						2.2			
9/4/2019	4.2	0.68 (J)	1.8	<1	0.83 (J)				
9/5/2019						1.5	2.4	1.5	21.5
9/6/2019									
3/2/2020	16.3	<1	7.9	<1	0.5 (J)				
3/3/2020							1.7		29
3/4/2020						1.7		1.5	
3/5/2020									
9/3/2020	3.5	0.65 (J)		<1	0.58 (J)				
9/4/2020									20.4
9/8/2020						1.4	1.8	1.4	
9/9/2020									
9/14/2020			1.3						

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/1/2020 1:32 PM View: PL's Interwell for Intra CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-21R	GWC-23R	GWA-51RZ (bg)
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016	22.316	132.4615			
3/8/2016			1.3858		
3/9/2016				26.4322	
5/2/2016					
5/3/2016	20.8				
5/4/2016					16.8 (D)
5/6/2016				17.7	
5/9/2016		34.3	2.94		
7/6/2016					
7/7/2016					18 (D)
7/8/2016					
7/11/2016	17	58			
7/15/2016			3	12	
9/7/2016					
9/8/2016					18 (D)
9/9/2016	14	66	3.2		
9/14/2016				12	
10/25/2016					
10/26/2016		76			20 (D)
10/27/2016	15		3.6		
11/1/2016				10	
1/5/2017					
1/6/2017					21 (D)
1/9/2017	17	85			
1/12/2017			3.9		
1/25/2017				8.2	
2/9/2017					
3/14/2017					
3/15/2017		100			17 (D)
3/16/2017	15				
3/21/2017			4.8		
3/22/2017				13	
3/23/2017					
5/16/2017					
5/17/2017					
5/18/2017	24	87			19 (D)
5/19/2017					
5/23/2017			5.4		
5/24/2017				10	
7/19/2017					10 (D)
9/15/2017		110			
9/18/2017	22				
9/19/2017			5.6		22 (D)
9/21/2017				16	
3/12/2018	22				
3/13/2018		94.8			27.3
3/14/2018			<1	14	
9/6/2018					
9/7/2018	22.4	101			26.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/1/2020 1:32 PM View: PL's Interwell for Intra CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-21R	GWC-23R	GWA-51RZ (bg)
9/10/2018			4.8		
9/11/2018				14.9	
3/6/2019					
3/7/2019	25	88.7			
3/8/2019					23.6
3/11/2019			3.4		
3/12/2019				17.7	
9/4/2019		67.8			22.9
9/5/2019	22.7				
9/6/2019			6	9.5	
3/2/2020					
3/3/2020			11.3		21.5
3/4/2020	23.4	69.4			
3/5/2020				10.8	
9/3/2020					
9/4/2020	16.1	54.9			
9/8/2020			9.6		
9/9/2020				124	21.8
9/14/2020					

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/1/2020 1:32 PM View: PL's Interwell for Intra CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36R (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-38 (bg)	GWA-53R (bg)
2/29/2016	134 (D)								
3/1/2016		96 (D)	34 (D)	150 (D)					
3/2/2016					130 (D)	125 (D)	185 (D)	34 (D)	134 (D)
3/3/2016									
3/9/2016									
5/2/2016		63 (D)		105 (D)					
5/3/2016			<10 (D)		99 (D)		182 (D)	<10 (D)	76 (D)
5/4/2016	113 (D)					77 (D)			
5/6/2016									
5/9/2016									
7/6/2016				113 (D)					
7/7/2016		105 (D)						39 (D)	
7/8/2016	152 (D)		14 (JD)		132 (D)	139 (D)			
7/11/2016							195 (D)		142 (D)
7/15/2016									
9/7/2016		103 (D)	16 (JD)	169 (D)					143 (D)
9/8/2016	124 (D)				108 (D)	110 (D)		<10 (D)	
9/9/2016							140 (D)		
9/14/2016									
10/25/2016		101 (D)	<10 (D)	152 (D)				<10 (D)	
10/26/2016	134 (D)				113 (D)	115 (D)	148 (D)		
10/27/2016									114 (D)
11/1/2016									
1/5/2017		155		229					
1/6/2017			189 (O)						
1/9/2017					146	121	171		
1/25/2017									
2/9/2017								65	
3/14/2017			90	188					
3/15/2017	139	96				132			
3/16/2017					132		176		146
3/22/2017									
3/23/2017								<10	
5/16/2017			20 (J)	147					
5/17/2017	156	110						113	
5/18/2017						174	184		
5/19/2017					114				129
5/24/2017									
7/19/2017									
9/15/2017	141	89	14 (J)	146		124	194		
9/18/2017									
9/19/2017					154			21 (J)	165
9/21/2017									
3/12/2018		81	<10	169			212		
3/13/2018	150				138	133		33	132
3/14/2018									
9/6/2018	160	107	<10	155		135		<10	
9/7/2018							240		
9/11/2018					140				142
3/6/2019		71 (J)	22 (J)						
3/7/2019	159			135		111		84	
3/8/2019					143		248		

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/1/2020 1:32 PM View: PL's Interwell for Intra CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36R (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-38 (bg)	GWA-53R (bg)
3/12/2019									150 (J)
9/4/2019	135	83	26	142				44	
9/5/2019					148	132	229		142
9/6/2019									
3/2/2020	142	65	<10	170				32	
3/3/2020						91	210		
3/4/2020					146				157
3/5/2020									
9/3/2020	132	90	25					21	
9/4/2020							226		
9/8/2020					138	116			124
9/9/2020									
9/14/2020				156					

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/1/2020 1:32 PM View: PL's Interwell for Intra CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-23R	GWA-51RZ (bg)
2/29/2016				
3/1/2016				
3/2/2016				
3/3/2016	181 (D)	403 (D)		
3/9/2016			287 (D)	
5/2/2016				
5/3/2016	123 (D)			
5/4/2016				175 (D)
5/6/2016			284 (D)	
5/9/2016		182 (D)		
7/6/2016				
7/7/2016				204 (D)
7/8/2016				
7/11/2016	149 (D)	262 (D)		
7/15/2016			249 (D)	
9/7/2016				
9/8/2016				141 (D)
9/9/2016	133 (D)	272 (D)		
9/14/2016			273 (D)	
10/25/2016				
10/26/2016		276 (D)		153 (D)
10/27/2016	168 (D)			
11/1/2016			258 (D)	
1/5/2017				
1/6/2017				329 (D)
1/9/2017	166	317		
1/25/2017			340	
2/9/2017				
3/14/2017				
3/15/2017		355		197 (D)
3/16/2017	189			
3/22/2017			264	
3/23/2017				
5/16/2017				
5/17/2017				
5/18/2017	192	382		250 (D)
5/19/2017				
5/24/2017			331	
7/19/2017				195 (D)
9/15/2017		362		
9/18/2017	184			
9/19/2017				255 (D)
9/21/2017			347	
3/12/2018	207			
3/13/2018		349		233
3/14/2018			290	
9/6/2018				
9/7/2018	202	377		232
9/11/2018			295	
3/6/2019				
3/7/2019	212	410		
3/8/2019				244

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 11/1/2020 1:32 PM View: PL's Interwell for Intra CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-23R	GWA-51RZ (bg)
3/12/2019			310 (J)	
9/4/2019		326		207
9/5/2019	183			
9/6/2019			300	
3/2/2020				
3/3/2020				211
3/4/2020	207	325		
3/5/2020			265	
9/3/2020				
9/4/2020	180	267		
9/8/2020				
9/9/2020			501	205
9/14/2020				

FIGURE G.

Federal Interwell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-16R	48.7	n/a	9/9/2020	57.1	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	48.7	n/a	9/9/2020	63.2	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	48.7	n/a	9/8/2020	61.9	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	48.7	n/a	9/9/2020	57.6	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2

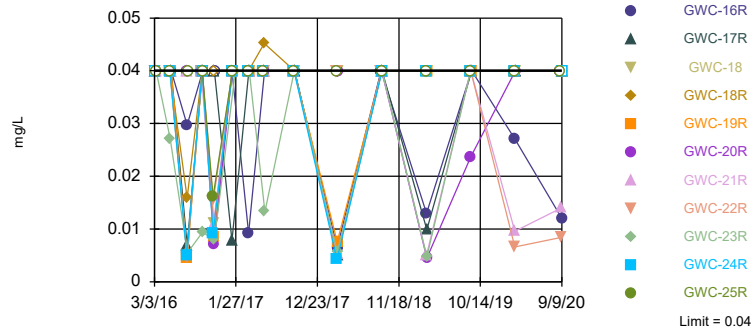
Federal Interwell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	9/9/2020	0.012J	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	9/4/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	9/8/2020	0.014J	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	9/8/2020	0.0084J	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	9/9/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	9/4/2020	0.04ND	No	180	n/a	n/a	64.44	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	48.7	n/a	9/9/2020	57.1	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-17R	48.7	n/a	9/9/2020	63.2	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18	48.7	n/a	9/9/2020	15.3	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-18R	48.7	n/a	9/9/2020	28.5	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-19R	48.7	n/a	9/9/2020	30.5	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-20R	48.7	n/a	9/4/2020	40.2	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-21R	48.7	n/a	9/8/2020	61.9	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	9/4/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	9/8/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	9/4/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Calcium (mg/L)	GWC-22R	48.7	n/a	9/8/2020	34.7	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-23R	48.7	n/a	9/9/2020	57.6	Yes	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-24R	48.7	n/a	9/9/2020	31.5	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Calcium (mg/L)	GWC-25R	48.7	n/a	9/4/2020	36.6	No	180	n/a	n/a	0	n/a	n/a	0.00006051	NP (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	9/9/2020	0.17J	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	9/9/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	9/8/2020	0.3ND	No	180	n/a	n/a	55	n/a	n/a	0.00006051	NP (NDs) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

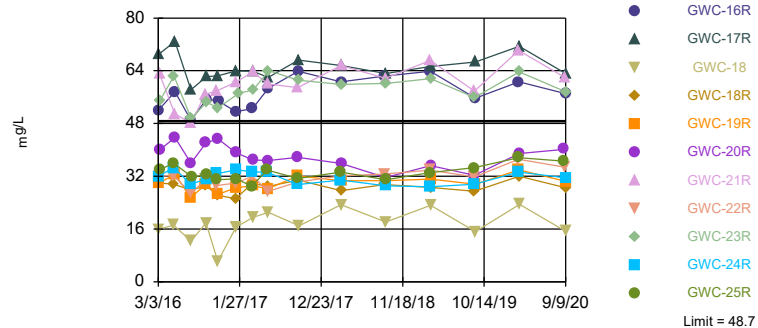


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 180 background values. 64.44% NDs. Annual per-constituent alpha = 0.00133. Individual comparison alpha = 0.00006051 (1 of 2). Comparing 11 points to limit.

Constituent: Boron Analysis Run 11/1/2020 1:18 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Exceeds Limit: GWC-16R, GWC-17R, GWC-21R, GWC-23R

Prediction Limit
 Interwell Non-parametric

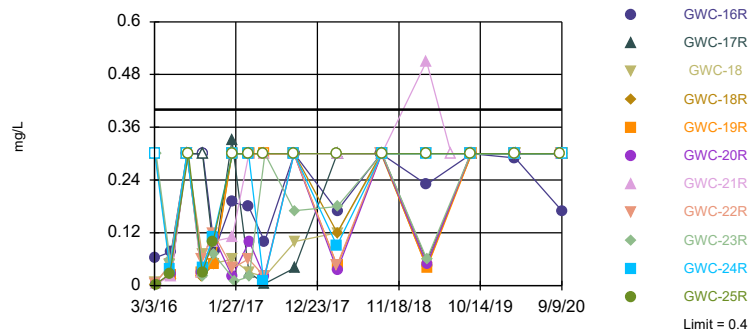


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 180 background values. Annual per-constituent alpha = 0.00133. Individual comparison alpha = 0.00006051 (1 of 2). Comparing 11 points to limit.

Constituent: Calcium Analysis Run 11/1/2020 1:18 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Within Limit

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 180 background values. 55% NDs. Annual per-constituent alpha = 0.00133. Individual comparison alpha = 0.00006051 (1 of 2). Comparing 11 points to limit.

Constituent: Fluoride Analysis Run 11/1/2020 1:18 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36R (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
5/16/2017			<0.04	<0.04					
5/17/2017	<0.04	<0.04							<0.04
5/18/2017					<0.04	<0.04			
5/19/2017							<0.04	<0.04	
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04			
9/18/2017									
9/19/2017							<0.04	<0.04	<0.04
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		<0.04	0.004 (J)	0.0082 (J)	0.0055 (J)				
3/13/2018	0.0084 (J)					0.0053 (J)	<0.04	<0.04	<0.04
3/14/2018									
9/6/2018	<0.04	<0.04	<0.04	<0.04		<0.04			<0.04
9/7/2018					<0.04				
9/10/2018									
9/11/2018							<0.04	<0.04	
3/6/2019		<0.04	<0.04						
3/7/2019	<0.04			0.0049 (J)		<0.04			<0.04
3/8/2019					0.0056 (J)			<0.04	
3/11/2019									
3/12/2019							<0.04		
9/4/2019	<0.04	<0.04	<0.04	<0.04					<0.04 (D)
9/5/2019					<0.04	<0.04	<0.04	<0.04	
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	0.007 (J)	0.01 (J)	0.0052 (J)	0.014 (J)					<0.04
3/3/2020					0.01 (J)	0.0084 (J)			
3/4/2020							<0.04	0.0064 (J)	
3/5/2020									
3/6/2020									
9/3/2020	<0.04	<0.04	<0.04						<0.04
9/4/2020					0.0053 (J)				
9/8/2020						<0.04	<0.04	0.0072 (J)	
9/9/2020									
9/14/2020				0.0065 (J)					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-25R	GWC-20R	GWC-23R	GWA-51RZ (bg)
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016					
3/7/2016					
3/8/2016	<0.04	<0.04	<0.04		
3/9/2016				<0.04	
5/2/2016					
5/3/2016					
5/4/2016		<0.04			<0.04 (D)
5/5/2016					
5/6/2016				0.0271 (J)	
5/9/2016	<0.04		<0.04		
5/10/2016					
7/6/2016					
7/7/2016					0.0096 (JD)
7/8/2016					
7/11/2016					
7/12/2016					
7/13/2016					
7/14/2016			<0.04		
7/15/2016	<0.04			0.0055 (J)	
7/18/2016		<0.04			
9/7/2016					
9/8/2016					0.0137 (JD)
9/9/2016	<0.04				
9/12/2016			<0.04		
9/13/2016		<0.04			
9/14/2016				0.0094 (J)	
9/15/2016					
10/25/2016					
10/26/2016					0.0247 (JD)
10/27/2016	0.0103 (J)	0.0162 (J)			
10/31/2016			0.007 (J)		
11/1/2016				0.008 (J)	
11/2/2016					
1/5/2017					
1/6/2017					0.0082 (JD)
1/9/2017					
1/11/2017					
1/12/2017	<0.04		<0.04		
1/13/2017		<0.04			
1/25/2017				<0.04	
2/9/2017					
3/14/2017					
3/15/2017					<0.04 (D)
3/16/2017		<0.04			
3/20/2017					
3/21/2017	<0.04				
3/22/2017			<0.04	<0.04	
3/23/2017					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-25R	GWC-20R	GWC-23R	GWA-51RZ (bg)
5/16/2017					
5/17/2017					
5/18/2017					0.0076 (JD)
5/19/2017		<0.04			
5/22/2017			<0.04		
5/23/2017	<0.04				
5/24/2017				0.0133 (J)	
7/19/2017					0.0193 (JD)
9/15/2017					
9/18/2017					
9/19/2017	<0.04	<0.04	<0.04		0.0132 (JD)
9/20/2017					
9/21/2017				<0.04	
9/22/2017					
9/25/2017					
3/12/2018					
3/13/2018		<0.04			0.013 (J)
3/14/2018	0.0053 (J)		<0.04	0.0056 (J)	
9/6/2018					
9/7/2018					<0.04
9/10/2018	<0.04		<0.04		
9/11/2018		<0.04		<0.04	
3/6/2019					
3/7/2019					
3/8/2019		<0.04			0.0085 (J)
3/11/2019	0.005 (J)				
3/12/2019			0.0045 (J)	0.0047 (J)	
9/4/2019					0.01 (J)
9/5/2019		<0.04			
9/6/2019	<0.04		0.02365 (D)	<0.04	
9/9/2019					
9/10/2019					
3/2/2020					
3/3/2020	0.0096 (J)	<0.04			0.0096 (J)
3/4/2020					
3/5/2020			<0.04	<0.04	
3/6/2020					
9/3/2020					
9/4/2020		<0.04	<0.04		
9/8/2020	0.014 (J)				
9/9/2020				<0.04	0.0054 (J)
9/14/2020					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36R (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
5/16/2017			0.922	28.5					
5/17/2017	27.6	16.8							0.889
5/18/2017					37.2	26.7			
5/19/2017							30.9	29.2	
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	27.7	13.9	0.85	29.1	38.5	25.1			
9/18/2017									
9/19/2017							28.5	26.9	1.28
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		11.8 (J)	0.81	30.6	39.6				
3/13/2018	26.2					24.3 (J)	29.3	28.6	1.4
3/14/2018									
9/6/2018	27.9	13.5 (J)	0.79	26.1		25.6			1.6
9/7/2018					45.2				
9/10/2018									
9/11/2018							26.3	27.3	
3/6/2019		11.2 (J)	0.78						
3/7/2019	29.5			28		23.8 (J)			2.6
3/8/2019					45.2			25.9	
3/11/2019									
3/12/2019							28		
9/4/2019	28.1	13.3	0.76	27.9					1.65 (D)
9/5/2019					46.2	24.6	29	29.3	
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	33.7	12.5	0.77 (J)	35.2					2.5
3/3/2020					40.1	27.1			
3/4/2020							31.6	31.2	
3/5/2020									
3/6/2020									
9/3/2020	28.9	15.7	0.73 (J)						1
9/4/2020					47.2				
9/8/2020						24.5	29.4	28.5	
9/9/2020									
9/14/2020				32.4					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-25R	GWC-20R	GWC-23R	GWA-51RZ (bg)
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016					
3/7/2016					
3/8/2016	63	34	40		
3/9/2016				55	
5/2/2016					
5/3/2016					
5/4/2016		36			43.4 (D)
5/5/2016					
5/6/2016				62.4	
5/9/2016	50.8		43.8		
5/10/2016					
7/6/2016					
7/7/2016					40.1 (D)
7/8/2016					
7/11/2016					
7/12/2016					
7/13/2016					
7/14/2016			36		
7/15/2016	48.2			49.5	
7/18/2016		31.7			
9/7/2016					
9/8/2016					37.1 (D)
9/9/2016	56.9				
9/12/2016			42.1		
9/13/2016		32.5			
9/14/2016				54.4	
9/15/2016					
10/25/2016					
10/26/2016					38.8 (D)
10/27/2016	57.9	30.9			
10/31/2016			43.4		
11/1/2016				52.8	
11/2/2016					
1/5/2017					
1/6/2017					39.6 (D)
1/9/2017					
1/11/2017					
1/12/2017	60.5		39.1		
1/13/2017		31.2			
1/25/2017				57.2	
2/9/2017					
3/14/2017					
3/15/2017					36.1 (D)
3/16/2017		29			
3/20/2017					
3/21/2017	63.7				
3/22/2017			37	58.1	
3/23/2017					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-21R	GWC-25R	GWC-20R	GWC-23R	GWA-51RZ (bg)
5/16/2017					
5/17/2017					
5/18/2017					40.1 (D)
5/19/2017		33.9			
5/22/2017			36.8		
5/23/2017	60				
5/24/2017				64	
7/19/2017					46.9 (D)
9/15/2017					
9/18/2017					
9/19/2017	58.9	31.3	37.7		47.7 (D)
9/20/2017					
9/21/2017				61.1	
9/22/2017					
9/25/2017					
3/12/2018					
3/13/2018		33.3			46.1 (D)
3/14/2018	65.6		35.9	59.9	
9/6/2018					
9/7/2018					44.2
9/10/2018	61.7		31.6		
9/11/2018		30.9		60.2	
3/6/2019					
3/7/2019					
3/8/2019		33.1			46.6
3/11/2019	67.1				
3/12/2019			35.2	61.6	
9/4/2019					40.7
9/5/2019		34.6			
9/6/2019	57.8		32.35 (D)	55.9	
9/9/2019					
9/10/2019					
3/2/2020					
3/3/2020	70.2	37.6			47.6
3/4/2020					
3/5/2020			38.9	63.7	
3/6/2020					
9/3/2020					
9/4/2020		36.6	40.2		
9/8/2020	61.9				
9/9/2020				57.6	44.1
9/14/2020					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36R (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
5/16/2017			<0.3	<0.3					
5/17/2017	0.01 (J)	<0.3							<0.3
5/18/2017					<0.3	0.02 (J)			
5/19/2017							0.004 (J)	<0.3	
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.3	<0.3	<0.3	<0.3	<0.3	0.03 (J)			
9/18/2017									
9/19/2017							<0.3	<0.3	<0.3
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		<0.3	<0.3	<0.3	<0.3				
3/13/2018	0.084 (J)					0.054 (J)	0.032 (J)	<0.3	<0.3
3/14/2018									
9/6/2018	<0.3	<0.3	<0.3	<0.3		<0.3			<0.3
9/7/2018					<0.3				
9/10/2018									
9/11/2018							<0.3	<0.3	
3/6/2019		<0.3	<0.3						
3/7/2019	<0.3			<0.3		<0.3			<0.3
3/8/2019					<0.3			<0.3	
3/11/2019									
3/12/2019							0.046 (J)		
6/18/2019									
9/4/2019	<0.3	<0.3	<0.3	<0.3					<0.3 (D)
9/5/2019					<0.3	<0.3	<0.3	<0.3	
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	<0.3	<0.3	<0.3	<0.3					<0.3
3/3/2020					<0.3	<0.3			
3/4/2020							<0.3	<0.3	
3/5/2020									
3/6/2020									
9/3/2020	<0.3	<0.3	<0.3						<0.3
9/4/2020					<0.3				
9/8/2020						<0.3	<0.3	<0.3	
9/9/2020									
9/14/2020				<0.3					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWA-55R (bg)	GWC-16R	GWA-56 (bg)	GWC-24R	GWC-18R	GWC-22R	GWC-19R	GWC-18	GWC-21R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	0.0392 (J)	0.06259 (JD)	0.1143 (J)						
3/4/2016				<0.3					
3/7/2016					0.00232 (J)	0.00526 (J)	<0.3	0.00623 (J)	
3/8/2016									0.00287 (J)
3/9/2016									
5/2/2016									
5/3/2016	0.058 (J)								
5/4/2016									
5/5/2016				0.039 (J)	0.025 (J)	0.049 (J)		0.045 (J)	
5/6/2016									
5/9/2016			0.0383 (J)				0.0246 (J)		0.0222 (J)
5/10/2016		0.0767 (J)							
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016	<0.3		<0.3						
7/12/2016				<0.3					
7/13/2016		<0.3			<0.3			<0.3	
7/14/2016						<0.3	<0.3		
7/15/2016									<0.3
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016	0.02 (J)		0.1 (J)						0.03 (J)
9/12/2016					0.02 (J)	0.06 (J)	0.03 (J)		
9/13/2016				0.04 (J)				0.07 (J)	
9/14/2016									
9/15/2016		<0.3							
10/25/2016									
10/26/2016			0.2 (J)						
10/27/2016	0.12 (J)			0.11 (J)		0.12 (J)			0.1 (J)
10/31/2016							0.05 (J)	0.05 (J)	
11/1/2016					0.05 (J)				
11/2/2016		0.08 (J)							
1/5/2017									
1/6/2017									
1/9/2017	0.06 (J)		0.26 (J)						
1/11/2017		0.19 (J)			<0.3		<0.3		
1/12/2017								0.06 (J)	0.11 (J)
1/13/2017				<0.3		0.04 (J)			
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017			0.19 (J)						
3/16/2017	0.08 (J)								
3/20/2017		0.18 (J)		<0.3	<0.3	0.06 (J)			
3/21/2017							<0.3		<0.3
3/22/2017									
3/23/2017								0.03 (J)	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWC-17R
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016					
3/4/2016					2.1421 (O)
3/7/2016					
3/8/2016	0.00425 (J)	0.00246 (J)			
3/9/2016			<0.3		
5/2/2016					
5/3/2016					
5/4/2016		0.027 (J)		0.057 (JD)	
5/5/2016					
5/6/2016			0.056 (J)		
5/9/2016	0.0259 (J)				
5/10/2016					0.0258 (J)
7/6/2016					
7/7/2016				0.09 (JD)	
7/8/2016					
7/11/2016					
7/12/2016					
7/13/2016					
7/14/2016	<0.3				<0.3
7/15/2016			<0.3		
7/18/2016		<0.3			
9/7/2016					
9/8/2016				0.03 (JD)	
9/9/2016					
9/12/2016	0.03 (J)				
9/13/2016		0.03 (J)			
9/14/2016			0.02 (J)		<0.3
9/15/2016					
10/25/2016					
10/26/2016				0.15 (JD)	
10/27/2016		0.1 (J)			
10/31/2016	0.11 (J)				
11/1/2016			0.07 (J)		0.06 (J)
11/2/2016					
1/5/2017					
1/6/2017				0.11 (JD)	
1/9/2017					
1/11/2017					0.33
1/12/2017	0.02 (J)				
1/13/2017		<0.3			
1/25/2017			0.01 (J)		
2/9/2017					
3/14/2017					
3/15/2017				0.004 (JD)	
3/16/2017		<0.3			
3/20/2017					
3/21/2017					0.03 (J)
3/22/2017	0.1 (J)		0.02 (J)		
3/23/2017					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/1/2020 1:24 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

	GWC-20R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWC-17R
5/16/2017					
5/17/2017					
5/18/2017				0.007 (JD)	
5/19/2017		<0.3			
5/22/2017	0.02 (J)				
5/23/2017					0.004 (J)
5/24/2017			<0.3		
7/19/2017				0.12 (JD)	
9/15/2017					
9/18/2017					
9/19/2017	<0.3	<0.3		0.07 (JD)	
9/20/2017					
9/21/2017			0.17 (J)		
9/22/2017					0.04 (J)
9/25/2017					
3/12/2018					
3/13/2018		<0.3		0.16 (J)	
3/14/2018	0.035 (J)		0.18 (J)		<0.3
9/6/2018					
9/7/2018				<0.3	
9/10/2018	<0.3				
9/11/2018		<0.3	<0.3		<0.3
3/6/2019					
3/7/2019					
3/8/2019		<0.3		0.075 (J)	
3/11/2019					
3/12/2019	0.048 (J)		0.06 (J)		0.056 (J)
6/18/2019					
9/4/2019				<0.3	
9/5/2019		<0.3			
9/6/2019	<0.3 (D)		<0.3		
9/9/2019					
9/10/2019					<0.3
3/2/2020					
3/3/2020		<0.3		<0.3	
3/4/2020					
3/5/2020	<0.3		<0.3		<0.3
3/6/2020					
9/3/2020					
9/4/2020	<0.3	<0.3			
9/8/2020					
9/9/2020			<0.3	<0.3	<0.3
9/14/2020					

FIGURE H.

Federal Trend Test Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:30 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWA-36 (bg)	-1.898	-60	-53	Yes	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.05243	-82	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3967	-80	-53	Yes	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.109	-62	-53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.36	-95	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.589	68	53	Yes	15	6.667	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	18.49	55	53	Yes	15	0	n/a	n/a	0.01	NP

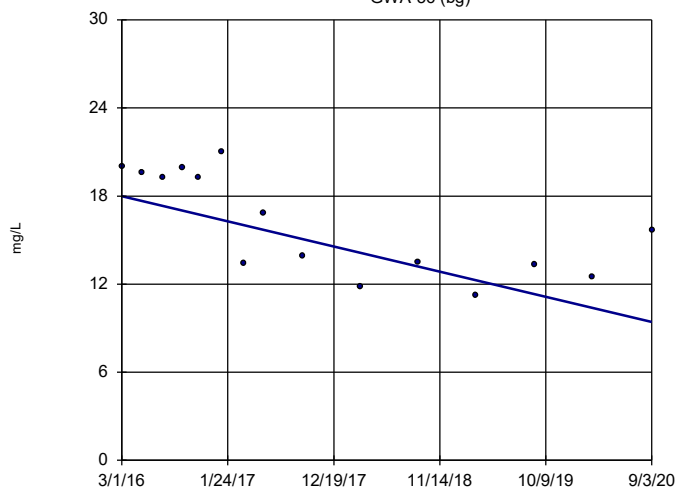
Federal Trend Test Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR Printed 11/1/2020, 1:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-36 (bg)	-1.898	-60	-53	Yes	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-36R (bg)	-0.2017	-14	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.05243	-82	-53	Yes	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-38 (bg)	-0.03886	-3	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.454	38	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-52 (bg)	0.2051	14	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53 (bg)	-0.02498	-3	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53R (bg)	0.2505	14	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-54 (bg)	-0.2876	-20	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.86	44	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.087	21	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-56 (bg)	-1.255	-19	-53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	2.121	43	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17R	0.6468	14	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	2.397	45	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.84	33	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3967	-80	-53	Yes	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36R (bg)	0.1003	7	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.109	-62	-53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.2932	-41	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.448	46	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	-0.1151	-3	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1008	-44	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.085	-37	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.36	-95	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	1.059	7	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.671	32	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	0.943	5	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.589	68	53	Yes	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	0	2	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	-6.293	-26	-53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36R (bg)	1.608	12	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	2	48	No	14	35.71	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	0.6913	12	53	No	15	33.33	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-51RZ (bg)	8.066	21	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	3.696	24	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53 (bg)	5.703	52	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	4.11	22	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	0.4011	4	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	18.49	55	53	Yes	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	13.01	52	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	17.26	21	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	11.05	33	53	No	15	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

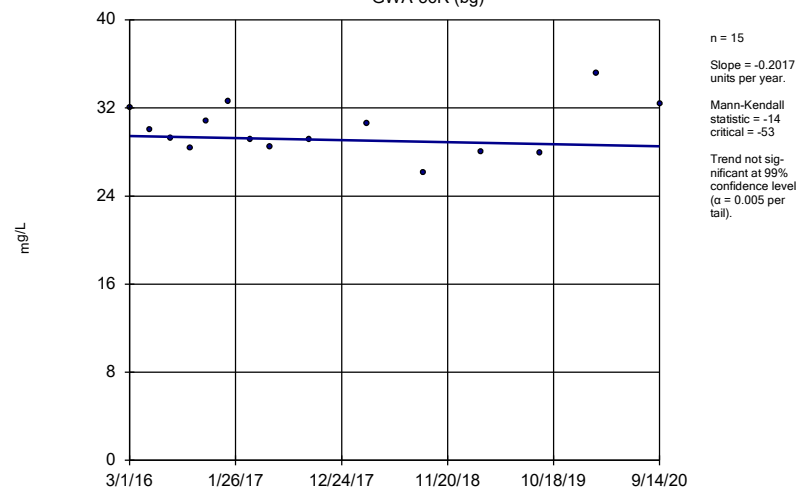
GWA-36 (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

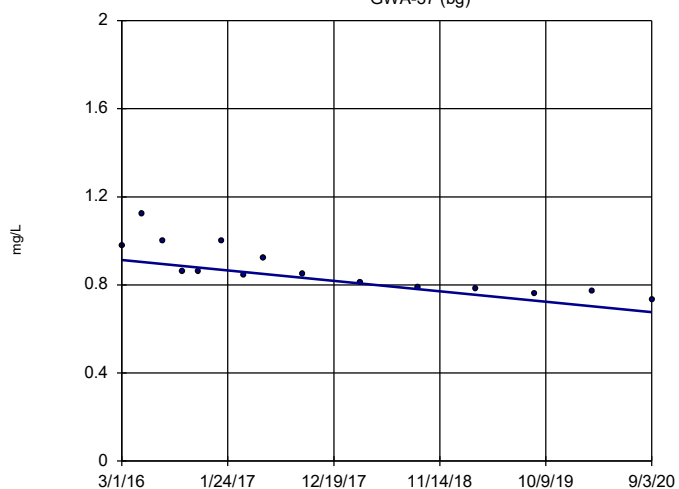
GWA-36R (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

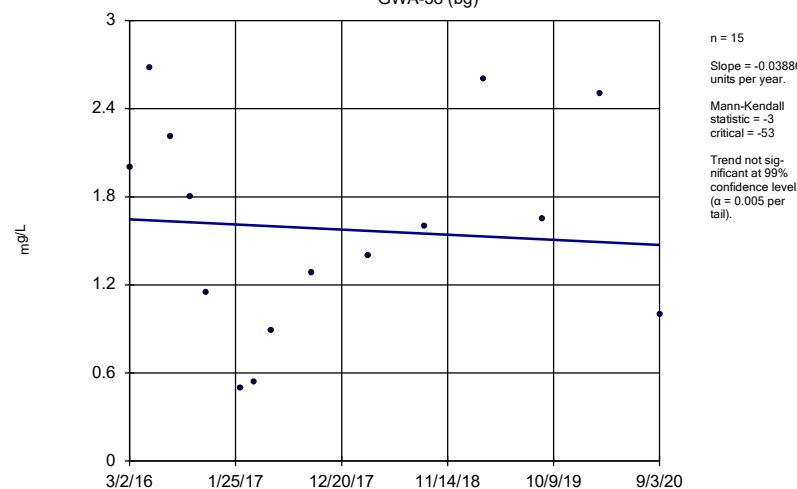
GWA-37 (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

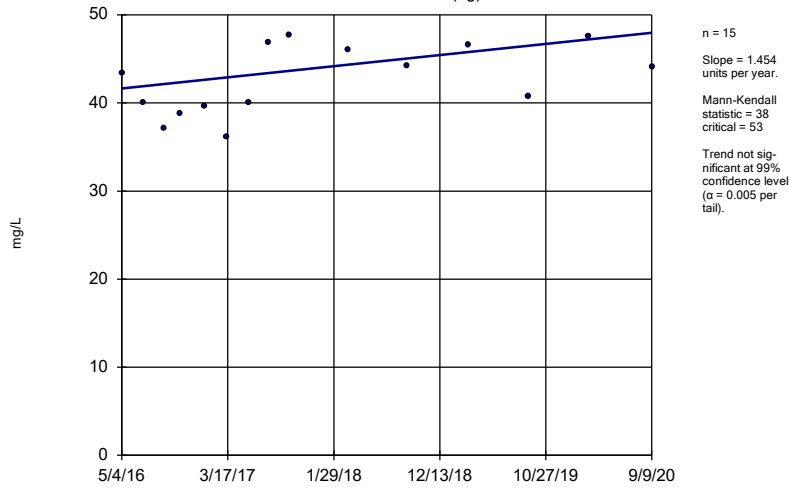
GWA-38 (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

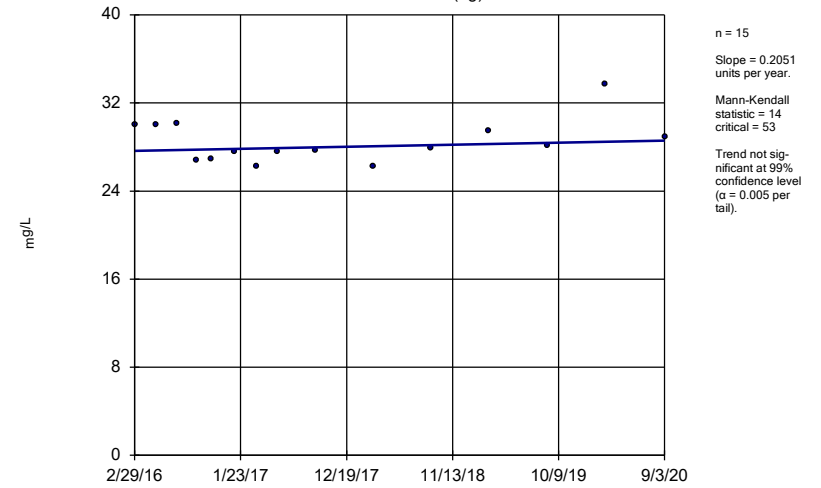
GWA-51RZ (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

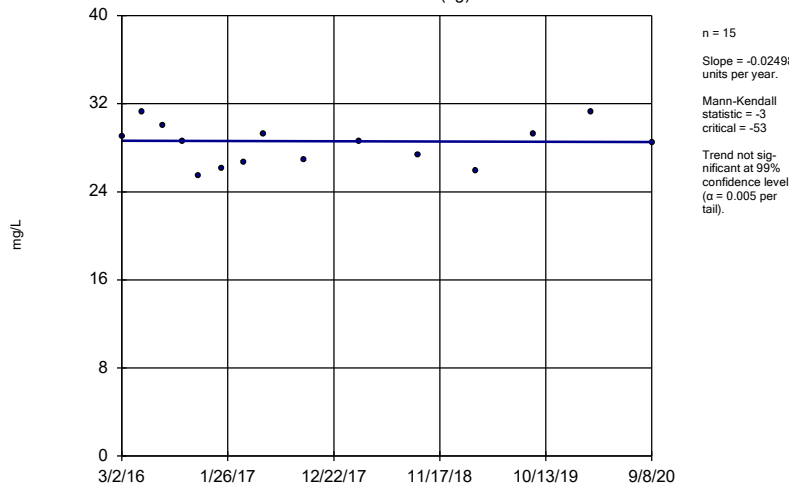
GWA-52 (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

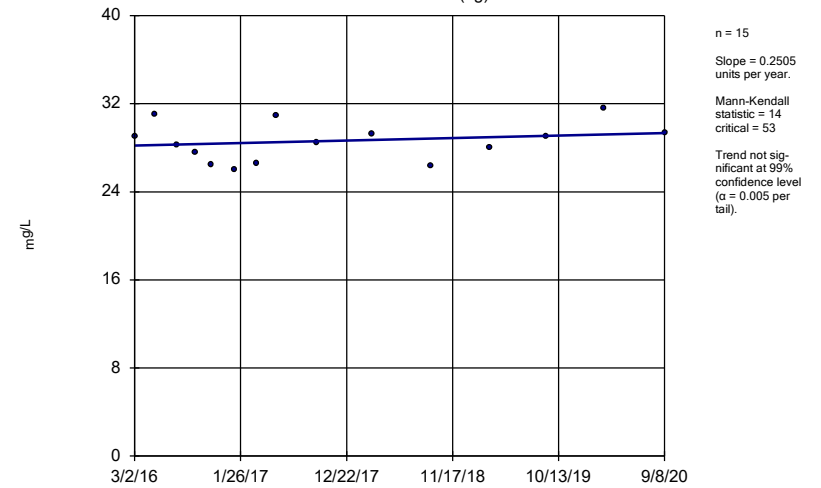
GWA-53 (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

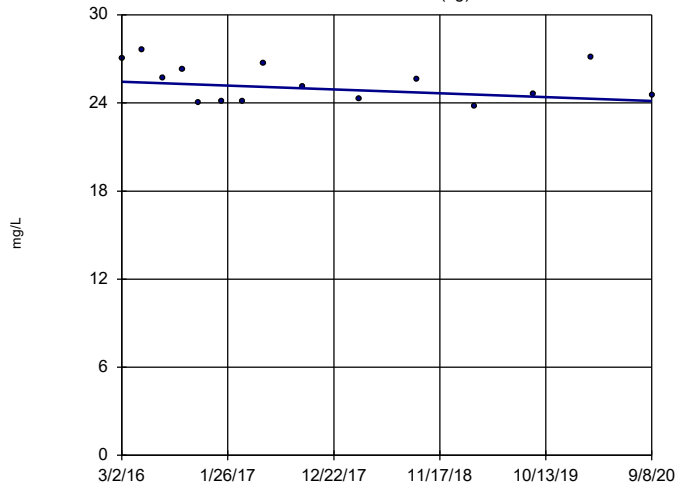
GWA-53R (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

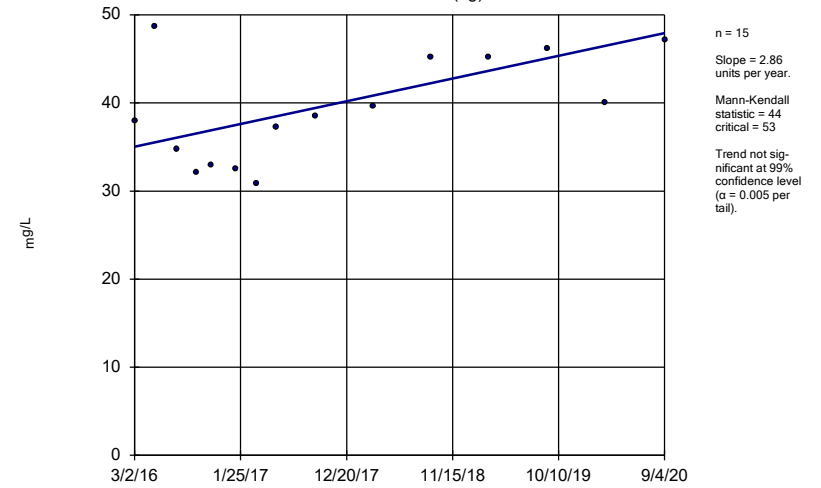
GWA-54 (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

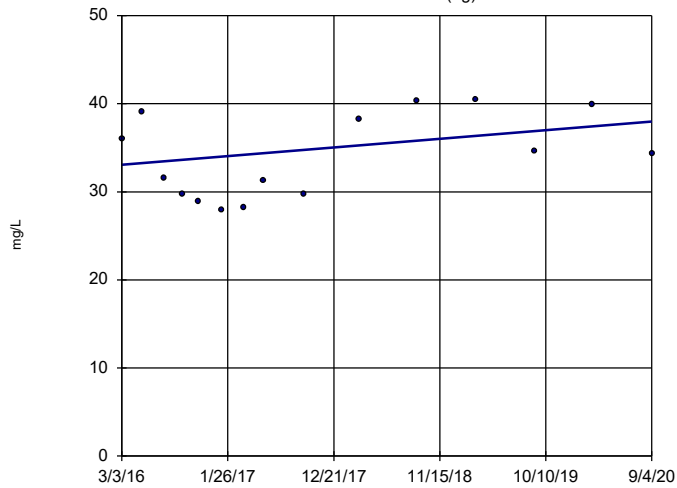
GWA-55 (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

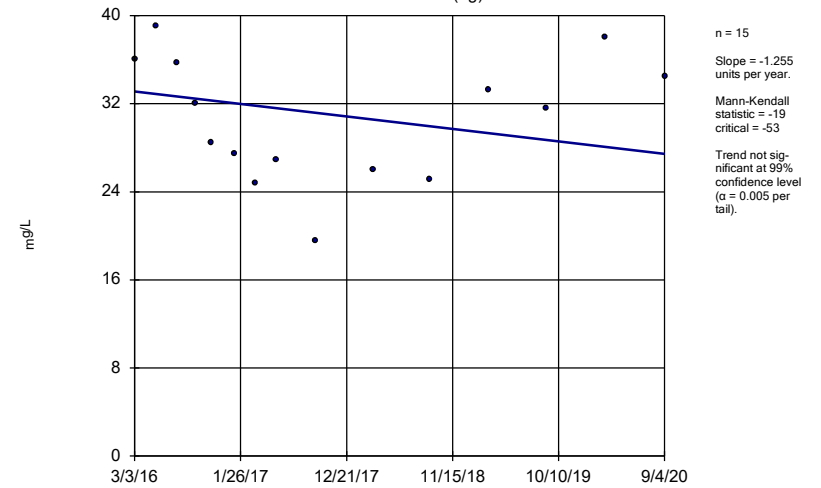
GWA-55R (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

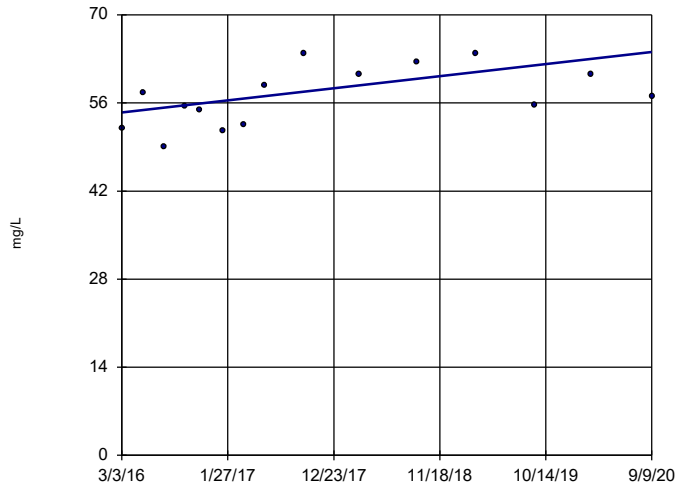
GWA-56 (bg)



Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWC-16R

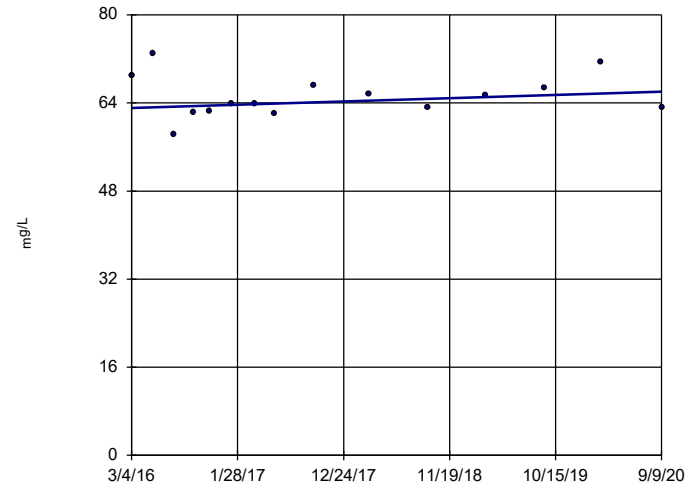


n = 15
 Slope = 2.121 units per year.
 Mann-Kendall statistic = 43
 critical = 53
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWC-17R

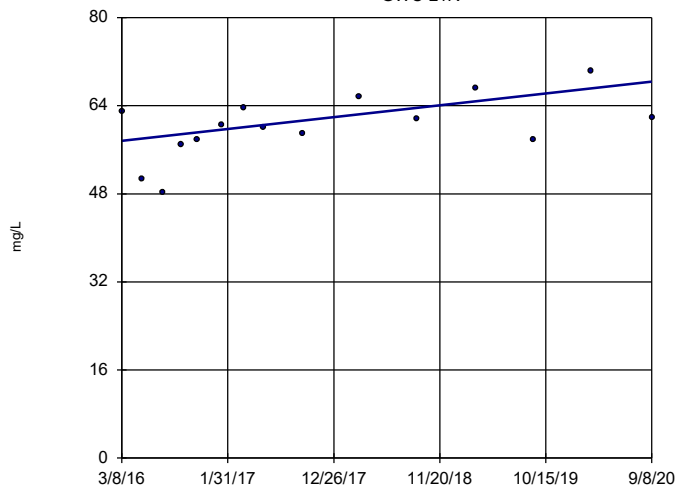


n = 15
 Slope = 0.6468 units per year.
 Mann-Kendall statistic = 14
 critical = 53
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWC-21R

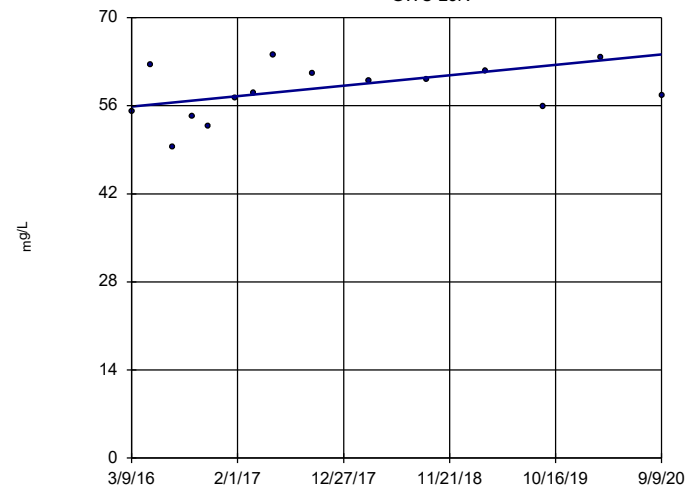


n = 15
 Slope = 2.397 units per year.
 Mann-Kendall statistic = 45
 critical = 53
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

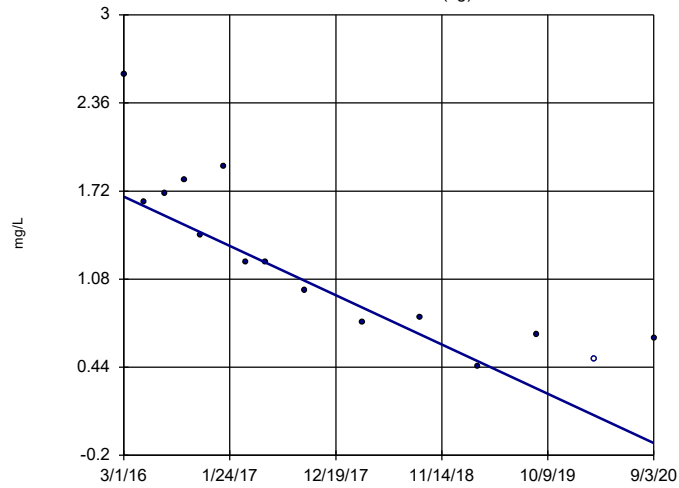
GWC-23R



n = 15
 Slope = 1.84 units per year.
 Mann-Kendall statistic = 33
 critical = 53
 Trend not significant at 99% confidence level (α = 0.005 per tail).

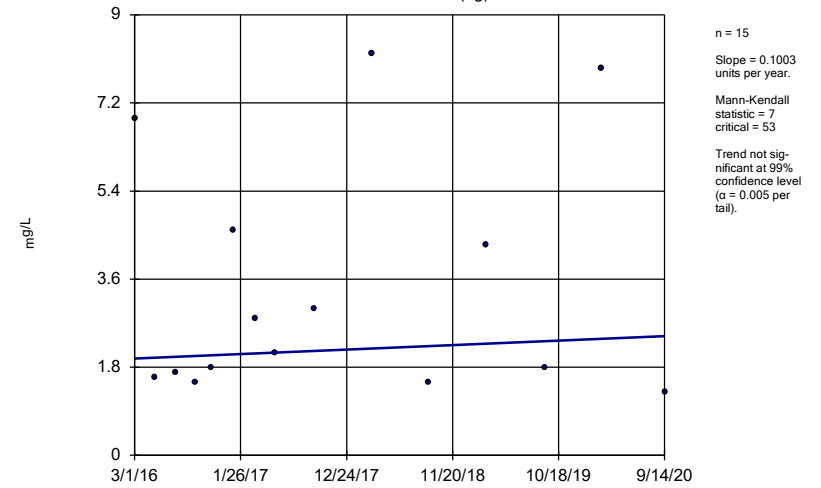
Constituent: Calcium Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-36 (bg)



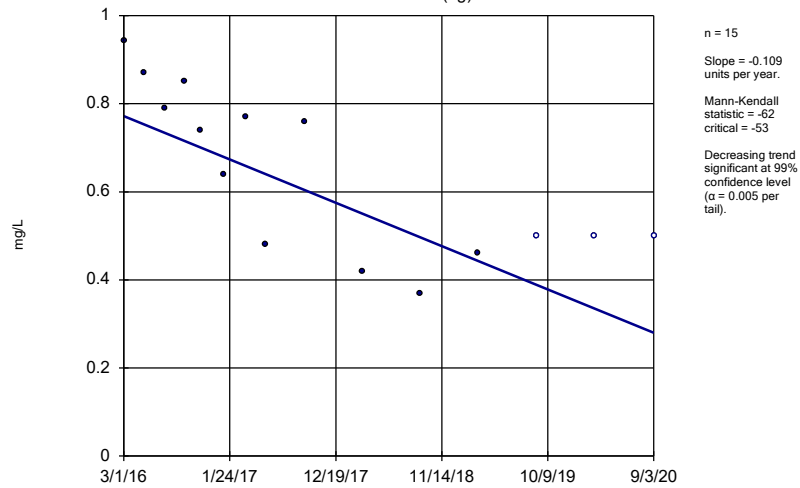
Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-36R (bg)



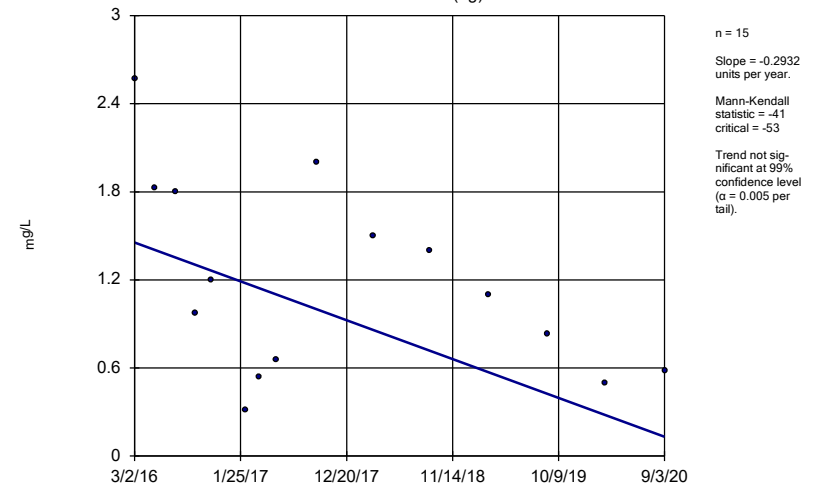
Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator
GWA-37 (bg)



Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

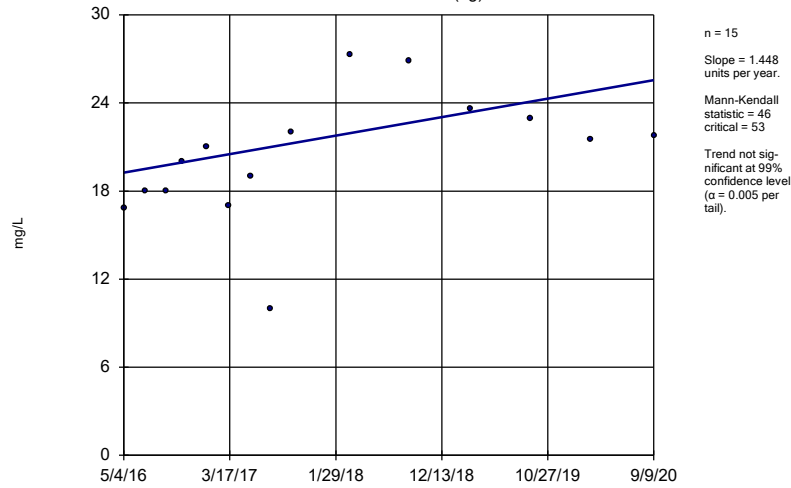
Sen's Slope Estimator
GWA-38 (bg)



Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

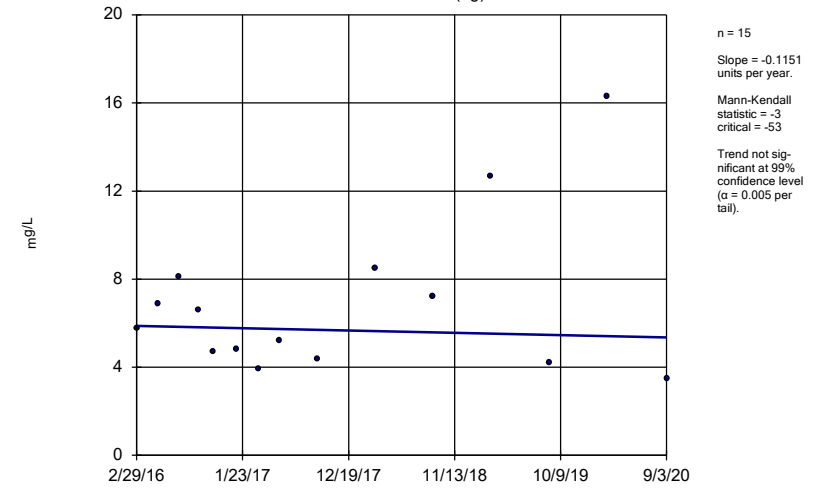
GWA-51RZ (bg)



Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

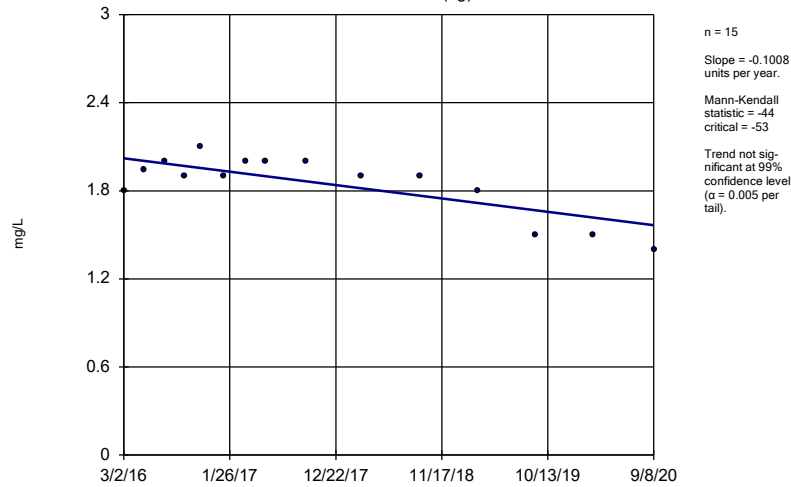
GWA-52 (bg)



Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

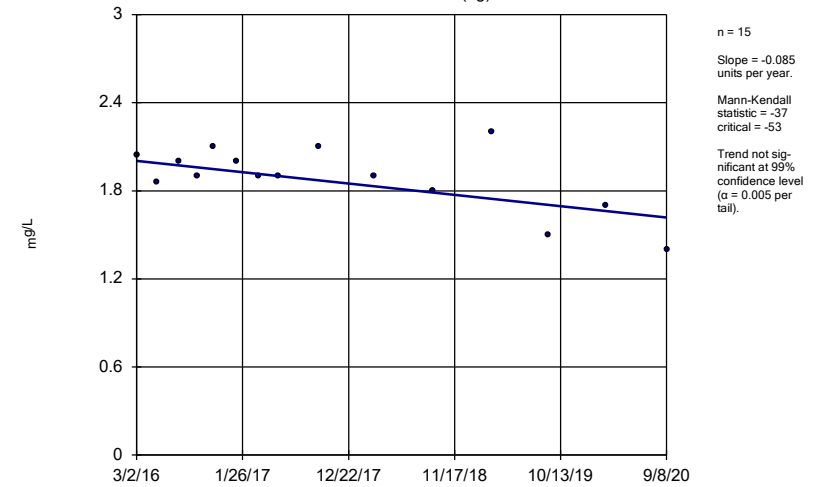
GWA-53 (bg)



Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

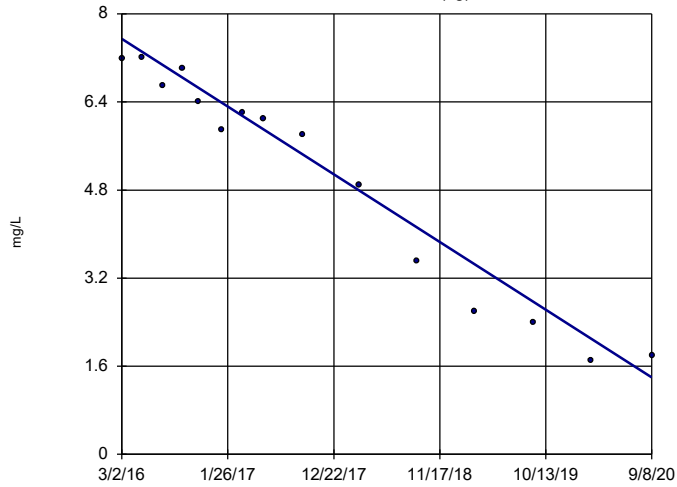
GWA-53R (bg)



Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-54 (bg)

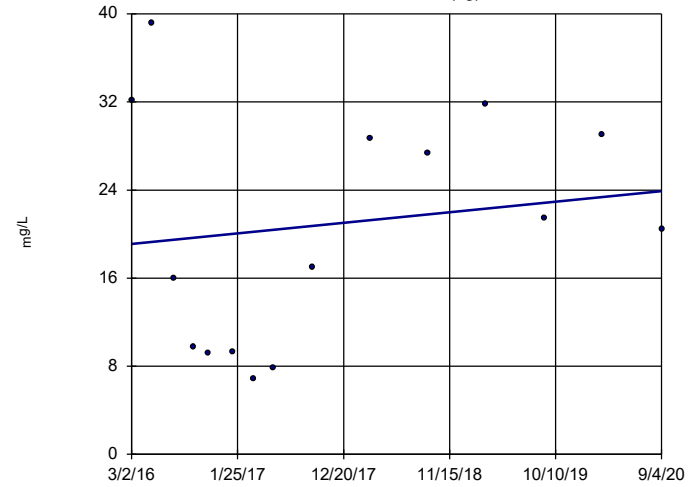


n = 15
 Slope = -1.36 units per year.
 Mann-Kendall statistic = -95
 critical = -53
 Decreasing trend significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-55 (bg)

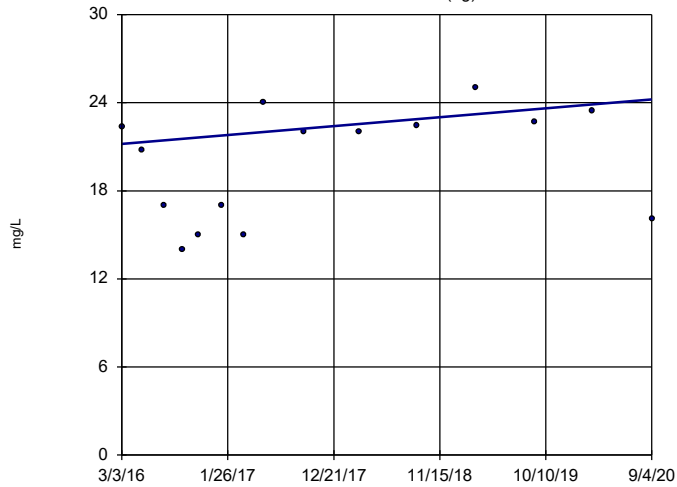


n = 15
 Slope = 1.059 units per year.
 Mann-Kendall statistic = 7
 critical = 53
 Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-55R (bg)

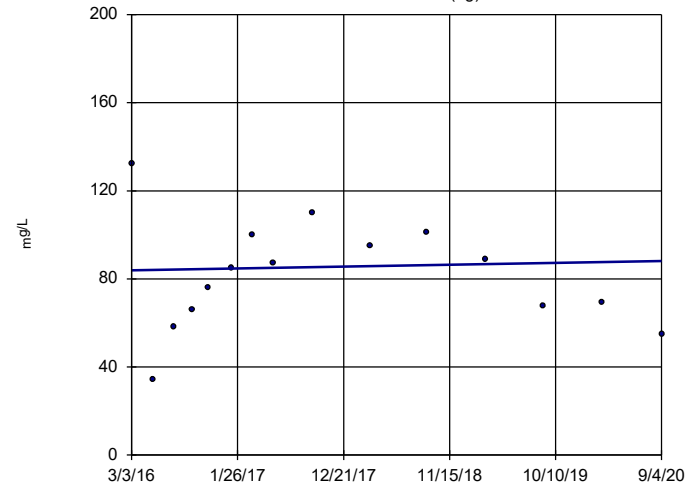


n = 15
 Slope = 0.671 units per year.
 Mann-Kendall statistic = 32
 critical = 53
 Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-56 (bg)

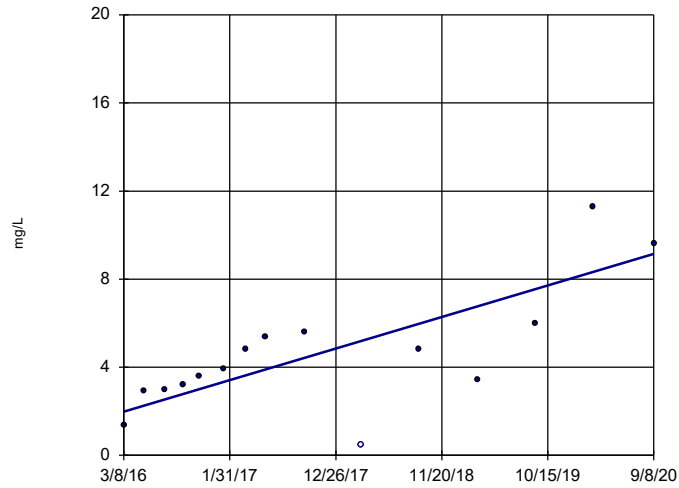


n = 15
 Slope = 0.943 units per year.
 Mann-Kendall statistic = 5
 critical = 53
 Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWC-21R

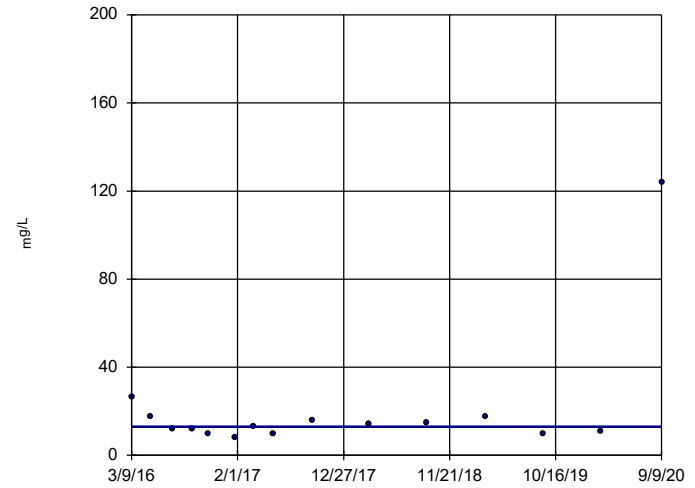


n = 15
 Slope = 1.589
 units per year.
 Mann-Kendall
 statistic = 68
 critical = 53
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWC-23R

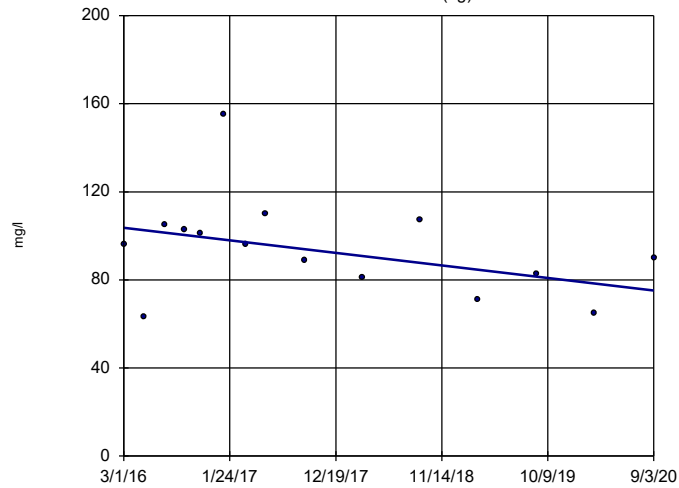


n = 15
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 2
 critical = 53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-36 (bg)

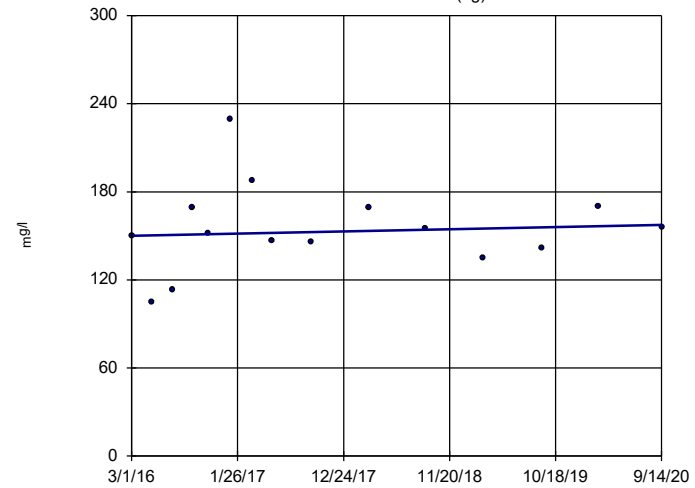


n = 15
 Slope = -6.293
 units per year.
 Mann-Kendall
 statistic = -26
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWA-36R (bg)

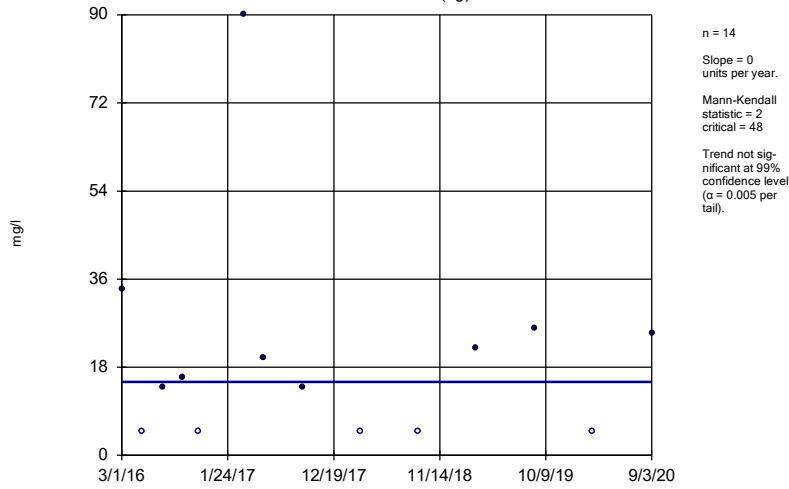


n = 15
 Slope = 1.608
 units per year.
 Mann-Kendall
 statistic = 12
 critical = 53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

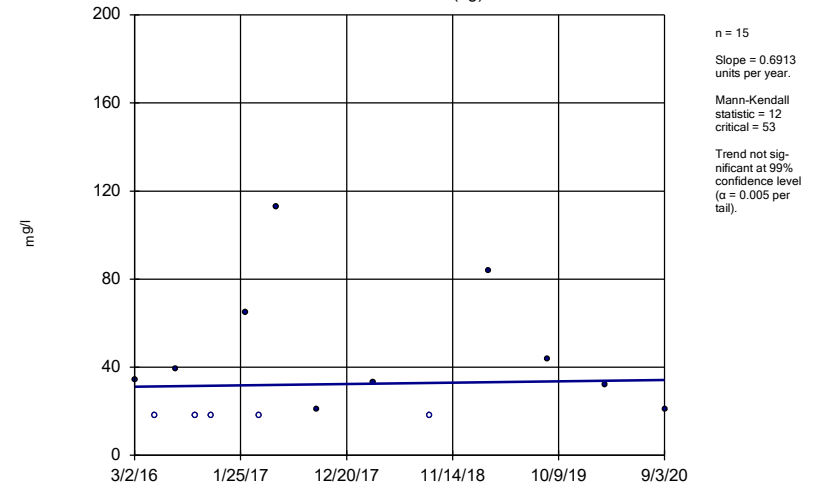
GWA-37 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

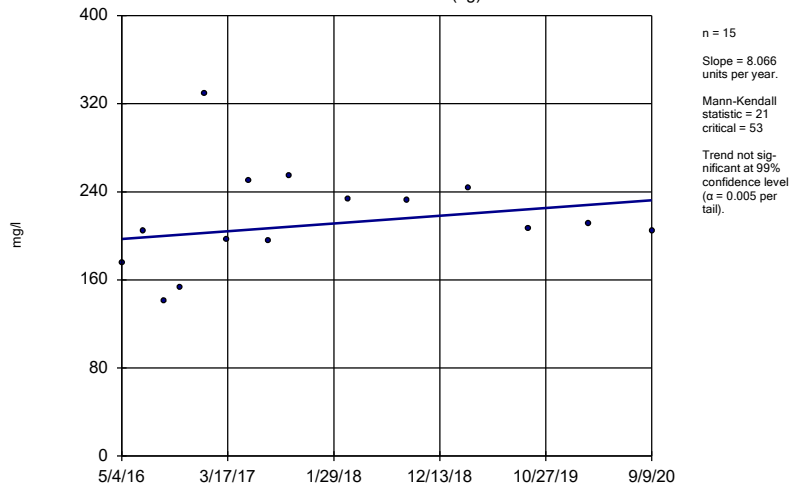
GWA-38 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

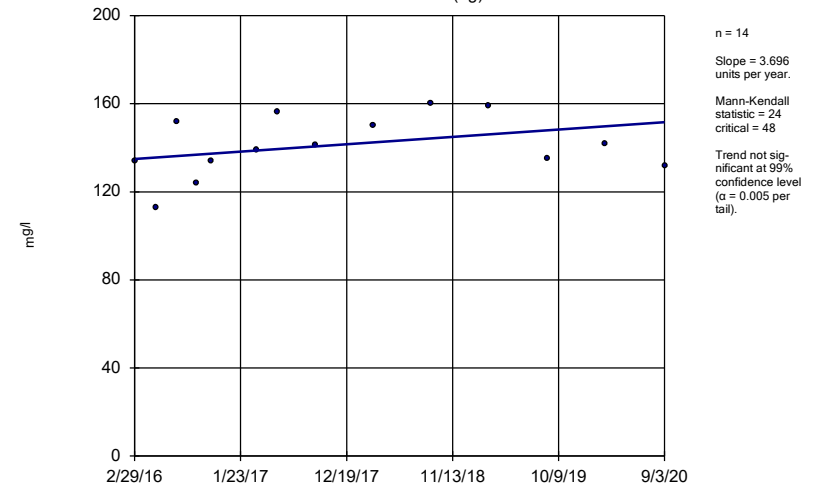
GWA-51RZ (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

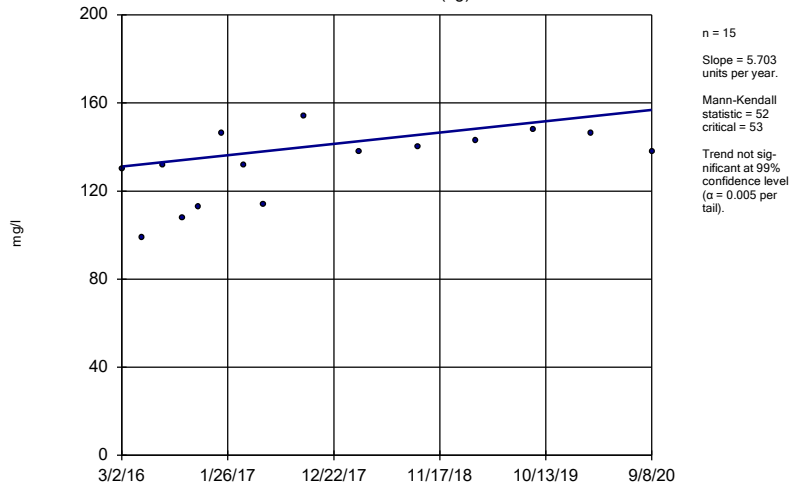
GWA-52 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

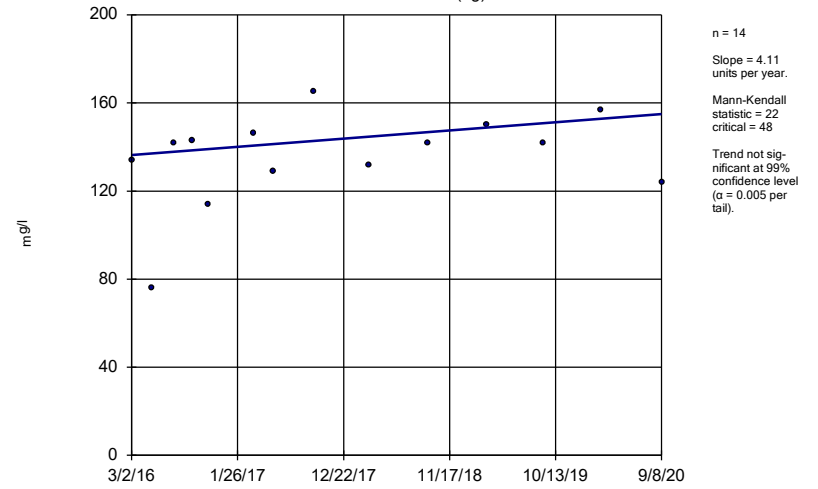
GWA-53 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

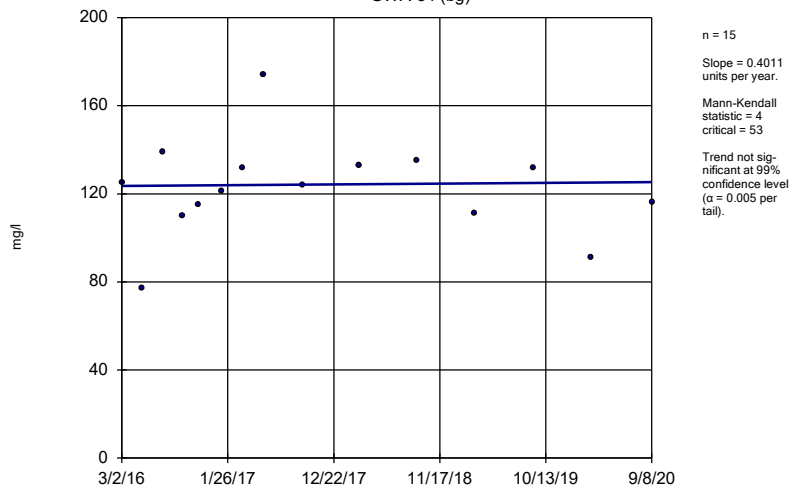
GWA-53R (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

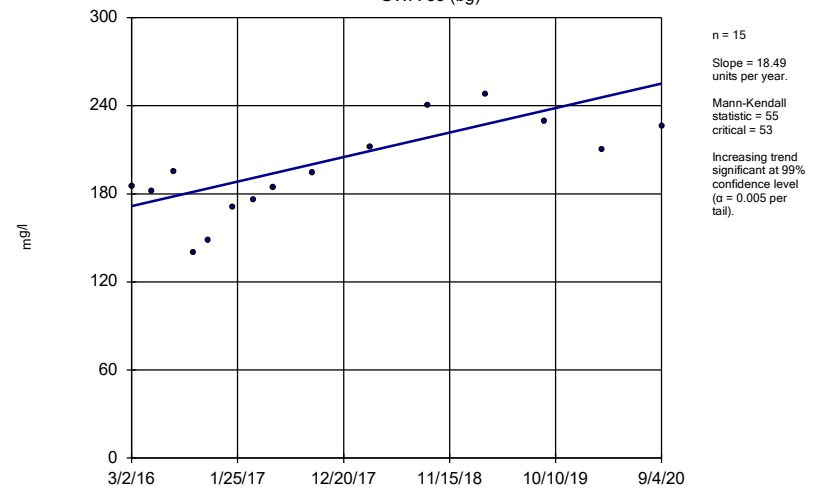
GWA-54 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

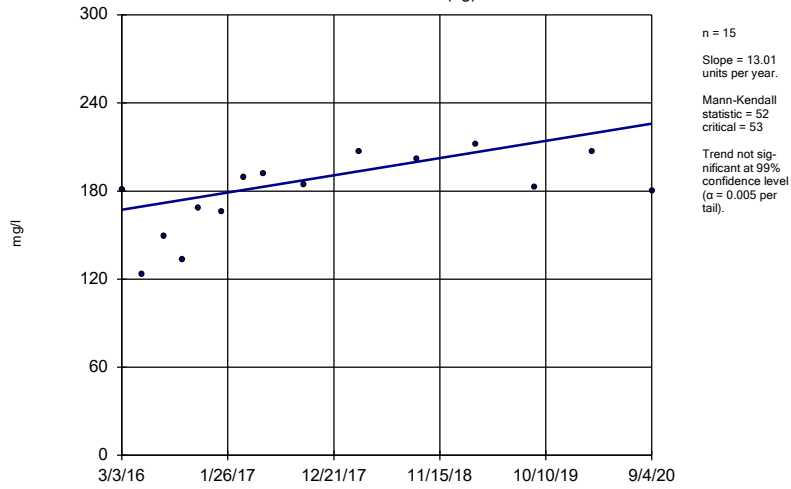
GWA-55 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

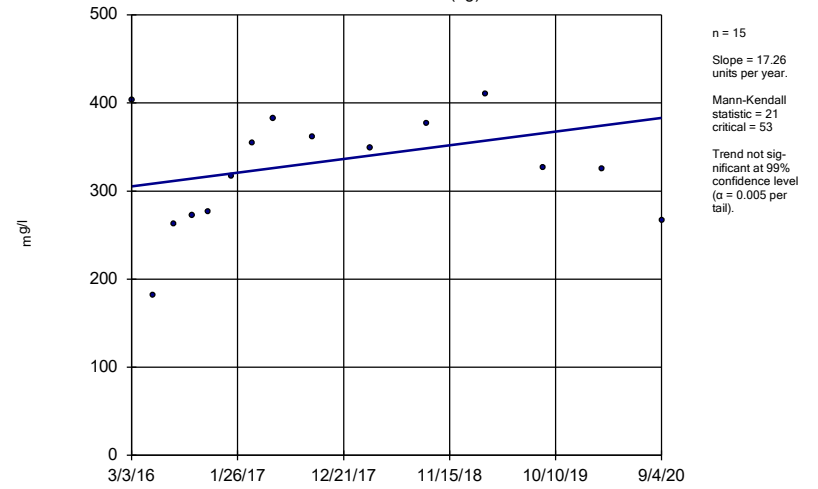
GWA-55R (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

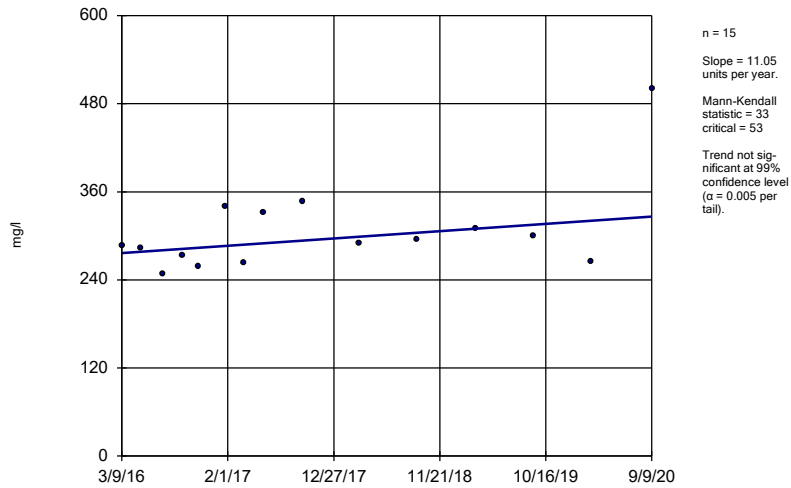
GWA-56 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

Sen's Slope Estimator

GWC-23R



Constituent: Total Dissolved Solids Analysis Run 11/1/2020 1:28 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3 and 4 CCR

FIGURE I.

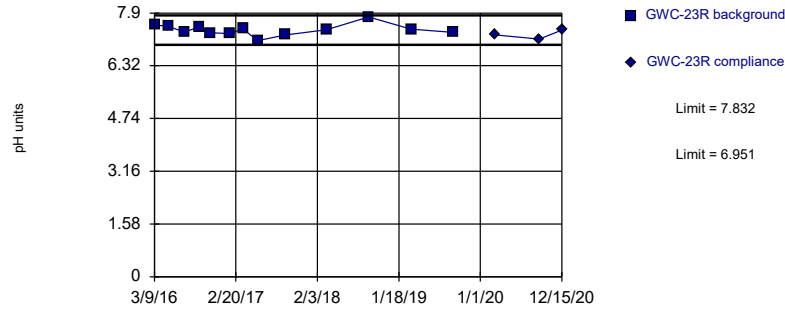
Federal Intrawell Prediction Limit Summary - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/26/2021, 2:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
pH (pH units)	GWC-23R	7.832	6.951	12/15/2020	7.39	No	13	7.392	0.1702	0	None	No	0.000342 Param 1 of 2
Sulfate (mg/L)	GWC-23R	26.49	n/a	12/15/2020	61.2	Yes	13	13.96	4.844	0	None	No	0.0006839 Param 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	374.2	n/a	12/15/2020	351	No	13	294.5	30.84	0	None	No	0.0006839 Param 1 of 2

Within Limits

Prediction Limit
Intrawell Parametric

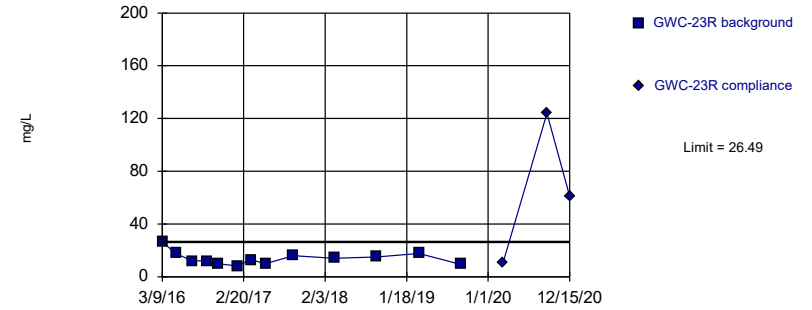


Background Data Summary: Mean=7.392, Std. Dev.=0.1702, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9597, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 1/26/2021 2:08 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

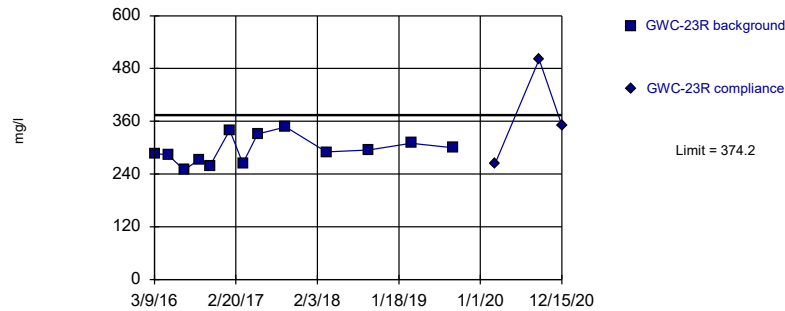


Background Data Summary: Mean=13.96, Std. Dev.=4.844, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.887, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 1/26/2021 2:08 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=294.5, Std. Dev.=30.84, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.956, critical = 0.814. Kappa = 2.587 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 1/26/2021 2:08 PM View: PL's Intrawell CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 1/26/2021 2:09 PM View: PL's IntraWell CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	7.54	
5/6/2016	7.5	
7/15/2016	7.33	
9/14/2016	7.47	
11/1/2016	7.31	
1/25/2017	7.28	
3/22/2017	7.43	
5/24/2017	7.07	
9/21/2017	7.24	
3/14/2018	7.4	
9/11/2018	7.78	
3/12/2019	7.42	
9/6/2019	7.32	
3/5/2020		7.24
9/9/2020		7.12
12/15/2020		7.39

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 2:09 PM View: PL's Intrawell CCR

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	26.4322	
5/6/2016	17.7	
7/15/2016	12	
9/14/2016	12	
11/1/2016	10	
1/25/2017	8.2	
3/22/2017	13	
5/24/2017	10	
9/21/2017	16	
3/14/2018	14	
9/11/2018	14.9	
3/12/2019	17.7	
9/6/2019	9.5	
3/5/2020		10.8
9/9/2020		124
12/15/2020		61.2

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 2:09 PM View: PL's IntraWell CCR

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	287 (D)	
5/6/2016	284 (D)	
7/15/2016	249 (D)	
9/14/2016	273 (D)	
11/1/2016	258 (D)	
1/25/2017	340	
3/22/2017	264	
5/24/2017	331	
9/21/2017	347	
3/14/2018	290	
9/11/2018	295	
3/12/2019	310 (J)	
9/6/2019	300	
3/5/2020		265
9/9/2020		501
12/15/2020		351

FIGURE J.

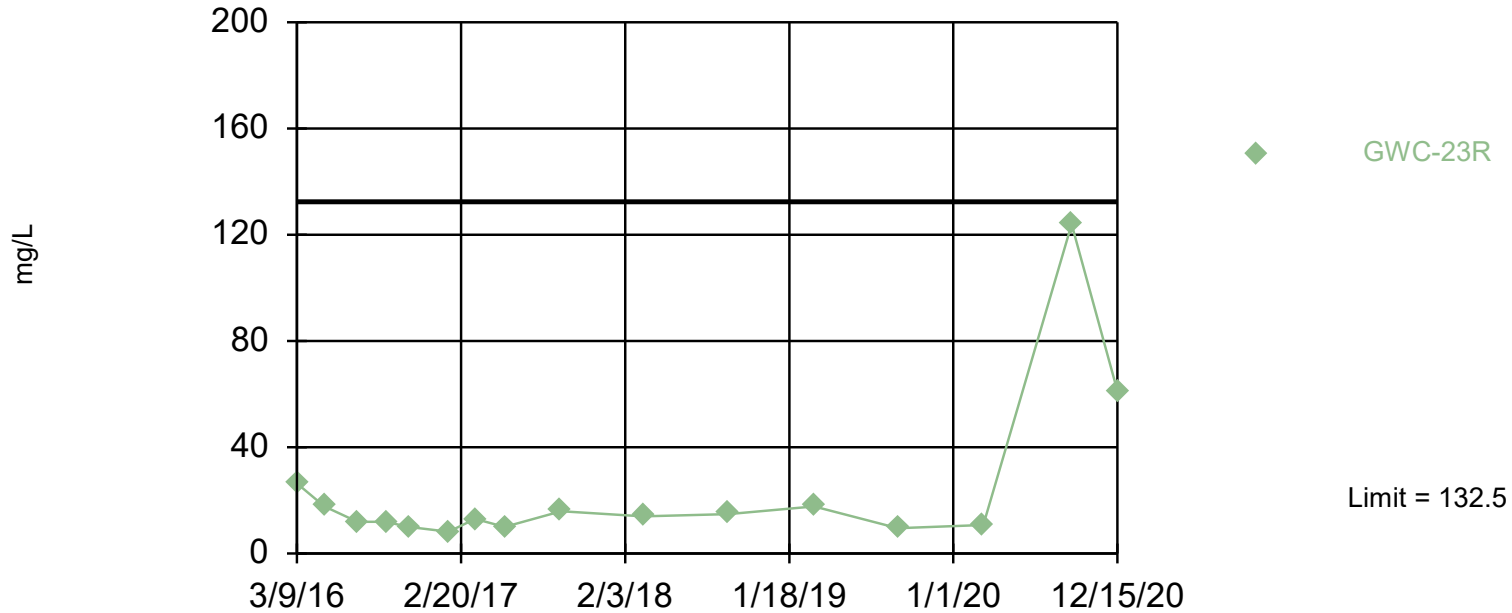
Federal Interwell Prediction Limit For Intrawell Exceedance - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/26/2021, 2:11 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Sulfate (mg/L)	GWC-23R	132.5	n/a	12/15/2020	61.2	No	180	n/a	n/a	2.222	n/a	n/a	0.00006051 NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 180 background values. 2.222% NDs. Annual per-constituent alpha = 0.00133. Individual comparison alpha = 0.00006051 (1 of 2). Assumes 10 future values.

Constituent: Sulfate Analysis Run 1/26/2021 2:11 PM View: PL's Interwell CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 2:11 PM View: PL's Interwell CCR

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36R (bg)	GWA-53 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-38 (bg)	GWA-53R (bg)
2/29/2016	5.7396								
3/1/2016		2.5655	0.9427 (J)	6.8929					
3/2/2016					1.799	7.1892	32.178	2.5669	2.0407
3/3/2016									
3/9/2016									
5/2/2016		1.64		1.6					
5/3/2016			0.87 (J)		1.94		39.2	1.83	1.86
5/4/2016	6.87					7.22			
5/6/2016									
5/9/2016									
7/6/2016				1.7					
7/7/2016		1.7						1.8	
7/8/2016	8.1		0.79 (J)		2	6.7			
7/11/2016							16		2
7/15/2016									
9/7/2016		1.8	0.85 (J)	1.5					1.9
9/8/2016	6.6				1.9	7		0.97 (J)	
9/9/2016							9.7		
9/14/2016									
10/25/2016		1.4	0.74 (J)	1.8				1.2	
10/26/2016	4.7				2.1	6.4	9.2		
10/27/2016									2.1
11/1/2016									
1/5/2017		1.9 (J)		4.6					
1/6/2017	4.8		0.64 (J)						2
1/9/2017					1.9	5.9	9.3		
1/25/2017									
2/9/2017								0.31 (J)	
3/14/2017			0.77 (J)	2.8					
3/15/2017	3.9	1.2				6.2			
3/16/2017					2		6.9		1.9
3/22/2017									
3/23/2017								0.54 (J)	
5/16/2017			0.48 (J)	2.1					
5/17/2017	5.2	1.2						0.66 (J)	
5/18/2017						6.1	7.9		
5/19/2017					2				1.9
5/24/2017									
7/19/2017									
9/15/2017	4.4	1	0.76 (J)	3		5.8	17		
9/18/2017									
9/19/2017					2			2	2.1
9/21/2017									
3/12/2018		0.77 (J)	0.42 (J)	8.2			28.7		
3/13/2018	8.5				1.9	4.9		1.5	1.9
3/14/2018									
9/6/2018	7.2	0.8 (J)	0.37 (J)	1.5		3.5		1.4	
9/7/2018							27.4		
9/11/2018					1.9				1.8
3/6/2019		0.45 (J)	0.46 (J)						
3/7/2019	12.7			4.3		2.6		1.1	
3/8/2019					1.8		31.8		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 2:11 PM View: PL's Interwell CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-23R	GWA-51RZ (bg)
2/29/2016				
3/1/2016				
3/2/2016				
3/3/2016	22.316	132.4615		
3/9/2016			26.4322	
5/2/2016				
5/3/2016	20.8			
5/4/2016				16.8 (D)
5/6/2016			17.7	
5/9/2016		34.3		
7/6/2016				
7/7/2016				18 (D)
7/8/2016				
7/11/2016	17	58		
7/15/2016			12	
9/7/2016				
9/8/2016				18 (D)
9/9/2016	14	66		
9/14/2016			12	
10/25/2016				
10/26/2016		76		20 (D)
10/27/2016	15			
11/1/2016			10	
1/5/2017				
1/6/2017				21 (D)
1/9/2017	17	85		
1/25/2017			8.2	
2/9/2017				
3/14/2017				
3/15/2017		100		17 (D)
3/16/2017	15			
3/22/2017			13	
3/23/2017				
5/16/2017				
5/17/2017				
5/18/2017	24	87		19 (D)
5/19/2017				
5/24/2017			10	
7/19/2017				10 (D)
9/15/2017		110		
9/18/2017	22			
9/19/2017				22 (D)
9/21/2017			16	
3/12/2018	22			
3/13/2018		94.8		27.3
3/14/2018			14	
9/6/2018				
9/7/2018	22.4	101		26.9
9/11/2018			14.9	
3/6/2019				
3/7/2019	25	88.7		
3/8/2019				23.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 2:11 PM View: PL's Interwell CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-23R	GWA-51RZ (bg)
3/12/2019			17.7	
9/4/2019		67.8		22.9
9/5/2019	22.7			
9/6/2019			9.5	
3/2/2020				
3/3/2020				21.5
3/4/2020	23.4	69.4		
3/5/2020			10.8	
9/3/2020				
9/4/2020	16.1	54.9		
9/8/2020				
9/9/2020			124	21.8
9/14/2020				
12/15/2020			61.2	

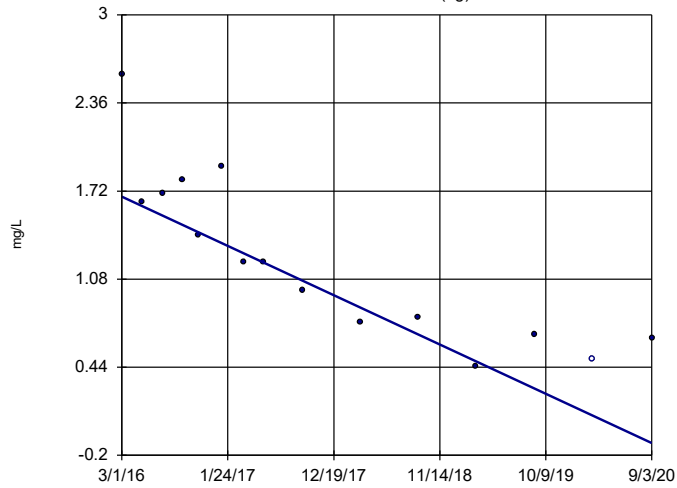
FIGURE K.

Federal Trend Test Summary - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/26/2021, 2:13 PM

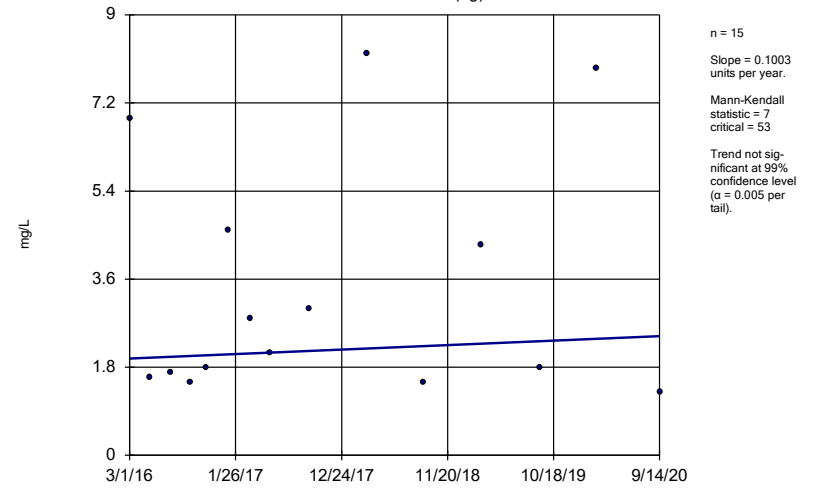
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	GWA-36 (bg)	-0.3967	-80	-53	Yes	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36R (bg)	0.1003	7	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	-0.109	-62	-53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.2932	-41	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.448	46	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	-0.1151	-3	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1008	-44	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.085	-37	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.36	-95	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	1.059	7	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.671	32	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	0.943	5	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	1.179	15	58	No	16	0	n/a	n/a	0.01	NP

Sen's Slope Estimator
 GWA-36 (bg)



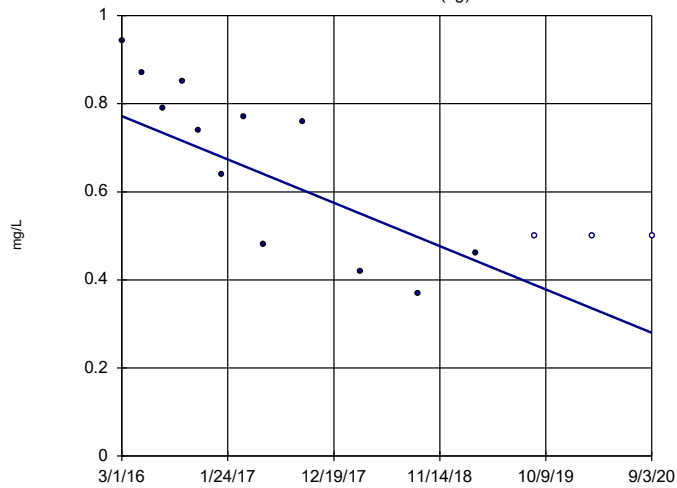
Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator
 GWA-36R (bg)



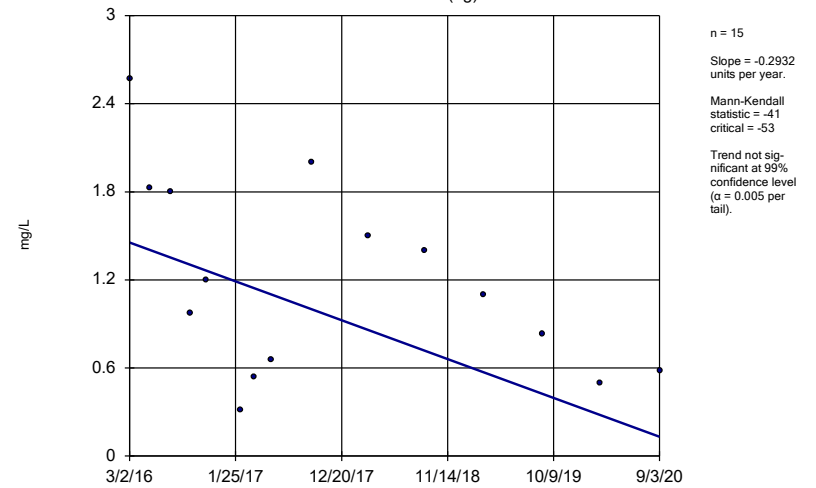
Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator
 GWA-37 (bg)



Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

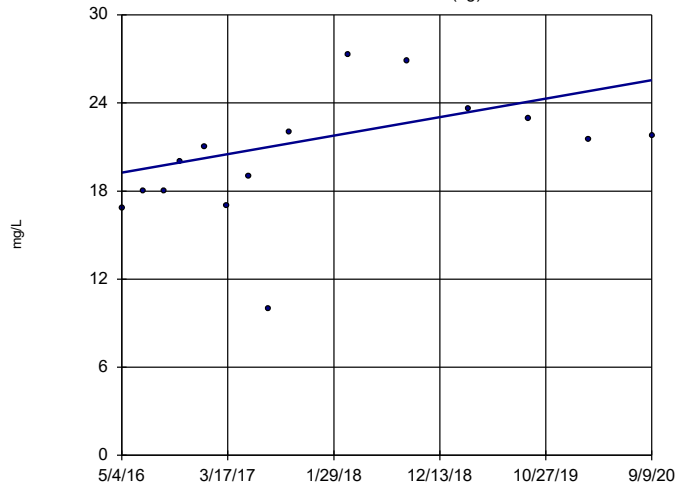
Sen's Slope Estimator
 GWA-38 (bg)



Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

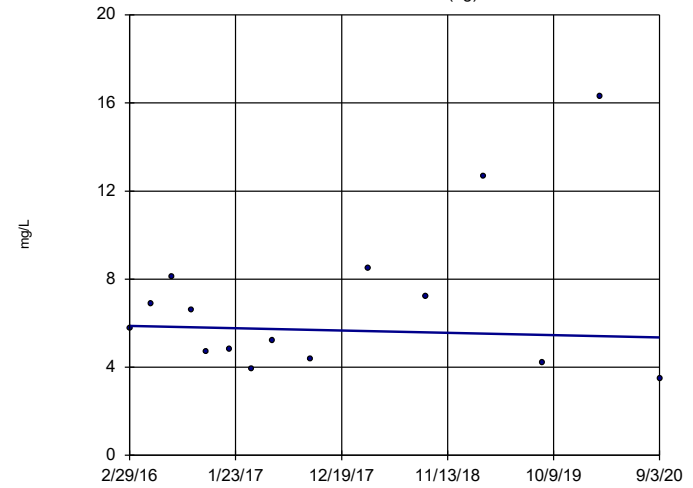


n = 15
Slope = 1.448 units per year.
Mann-Kendall statistic = 46
critical = 53
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

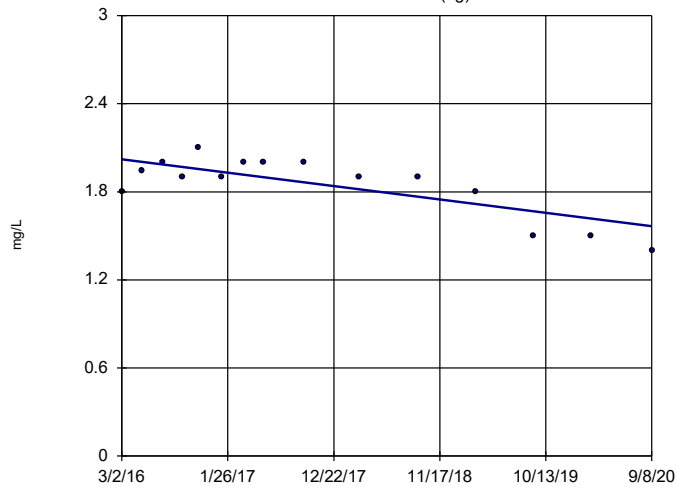


n = 15
Slope = -0.1151 units per year.
Mann-Kendall statistic = -3
critical = -53
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

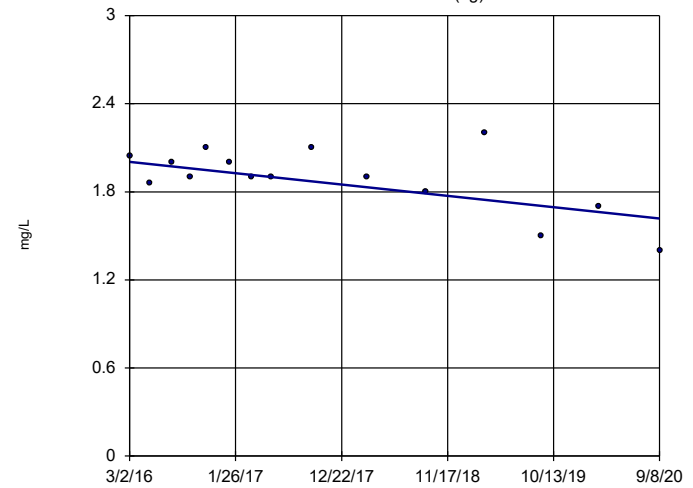


n = 15
Slope = -0.1008 units per year.
Mann-Kendall statistic = -44
critical = -53
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53R (bg)

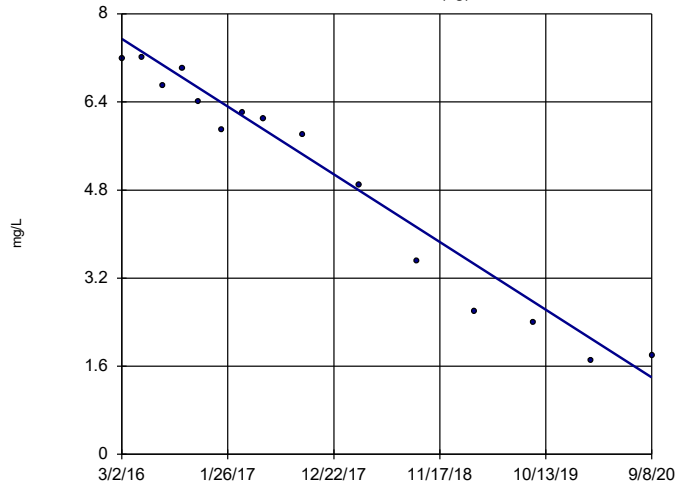


n = 15
Slope = -0.085 units per year.
Mann-Kendall statistic = -37
critical = -53
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-54 (bg)

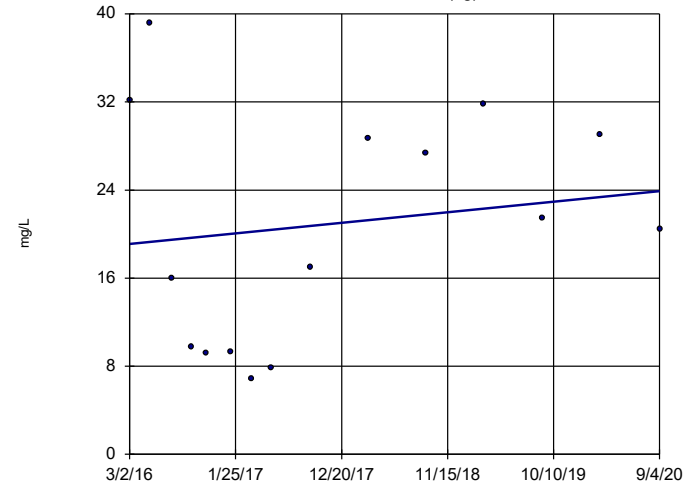


n = 15
 Slope = -1.36
 units per year.
 Mann-Kendall
 statistic = -95
 critical = -53
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

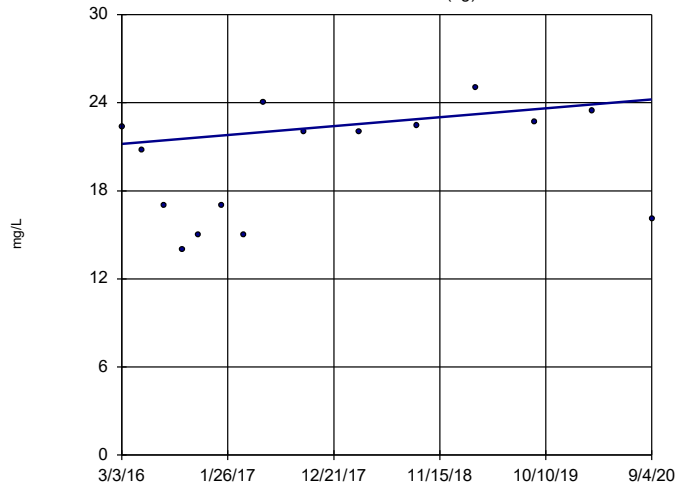


n = 15
 Slope = 1.059
 units per year.
 Mann-Kendall
 statistic = 7
 critical = 53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

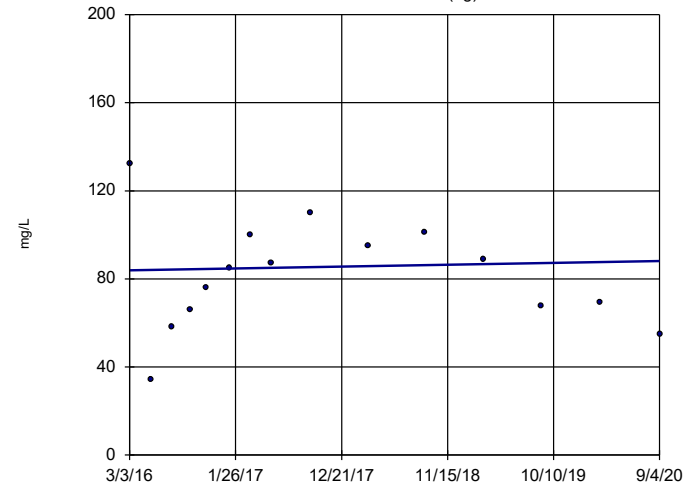


n = 15
 Slope = 0.671
 units per year.
 Mann-Kendall
 statistic = 32
 critical = 53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

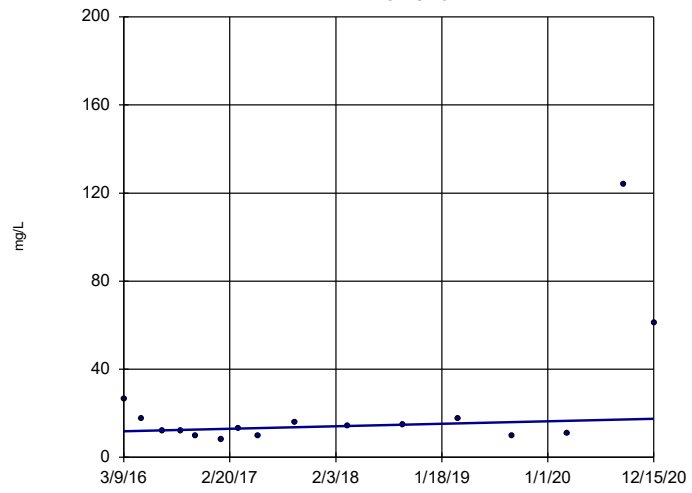


n = 15
 Slope = 0.943
 units per year.
 Mann-Kendall
 statistic = 5
 critical = 53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

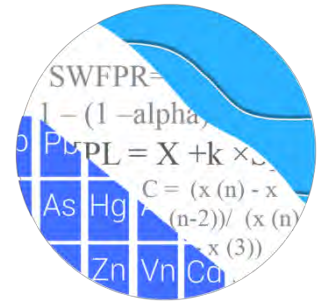
GWC-23R



n = 16
Slope = 1.179
units per year.
Mann-Kendall
statistic = 15
critical = 58
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate Analysis Run 1/26/2021 2:12 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

GROUNDWATER STATS CONSULTING



January 26, 2021

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 9 & 10
September 2020 Event - Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the September 2020 sample event for Georgia Power Company's Plant Bowen Landfill Cells 9 & 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

The monitoring well network, as provided by Southern Company Services, consists of the following:

Bedrock Wells:

- **Upgradient:** GWA-39RZ, GWA-41R, GWA-43R
- **Downgradient:** GWC-45R, GWC-46R, GWC-47R, GWC-49R

Overburden Wells:

- **Upgradient:** GWA-39Z, GWA-40, GWA-41, GWA-42, GWA-43
- **Downgradient:** GWC-44, GWC-45, GWC-47, GWC-48, GWC-49Z

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated. The terms “parameters” and “constituents” are interchangeable.

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% nondetects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells.

In earlier analyses, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods were recommended. Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Constituents:

Bedrock Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan – (all parameters)
- # Constituents: 16
- # Downgradient wells: 4

Overburden Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan (all parameters)
- # Constituents: 15 (Silver is not included because it is 100% nondetect in all overburden wells.)
- # Downgradient wells: 5

CCR Appendix III Constituents:

Bedrock & Overburden Wells:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (calcium, chloride, sulfate, TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, fluoride, pH)
- # Constituents: 7
- # Downgradient wells: 9

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.

- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds

the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Background Screening Summary Georgia EPD Constituents – Conducted in August 2019

Outlier and Trend Testing – Bedrock & Overburden Wells

Time series plots are used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of those findings were submitted with the screening report and a summary of the flagged values follows this letter (Figure C).

Using the Tukey box plot method, several outliers were identified. For information purposes, when the most recent values are identified as outliers, values are not flagged in

the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, several values were flagged as such in the database. When the test identified values that were similar to other measurements within a given well or neighboring wells or were reported nondetects, these values were not flagged. All values flagged in the database as outliers are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections, and the results of those findings were submitted with the screening report.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The trend analyses results were submitted with the screening report.

Statistically significant decreasing trends were noted for barium in Bedrock wells GWC-47R and GWC-49R, and in Overburden well GWC-49Z. No adjustments were

required to these records because the magnitudes of these trends are low relative to the average concentrations at these wells. In the future, if adjustments are made to any records, a summary will be provided with the report.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells and the results were submitted with the screening report. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intra-well tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

For the Bedrock wells, the ANOVA identified significant differences among upgradient well data for barium. No significant differences were noted for antimony, arsenic, beryllium, chromium, cobalt, copper, lead, mercury, nickel, thallium, vanadium, and zinc. The ANOVA could not test cadmium, selenium, and silver as there was no variation in the measurements among the upgradient wells.

For the Overburden wells, the ANOVA identified significant differences among upgradient well data for: antimony, barium, cadmium, and cobalt. No significant differences were noted for arsenic, chromium, copper, lead, mercury, nickel, thallium, and zinc. The ANOVA could not test beryllium, selenium, silver, and vanadium as there was no variation in the measurements among the upgradient wells.

Where variation is identified, the intra-well method is generally recommended as the most powerful statistical method providing groundwater quality is presumed to be unimpacted by practices at the facility in downgradient wells. Where variation is not identified, this suggests that interwell analysis would be considered for the statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level concentrations, and no records required any adjustments due to statistically significant increasing trends in data sets, intra-well methods are recommended as the primary statistical method for all detected well/constituent pairs.

Establishing Statistical Limits

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-3 resample plan, are constructed using all available data within each well with detections through September 2018. Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. As previously discussed, no statistical analyses were included for well/constituent pairs where there are 100% nondetects in the downgradient well.

In the event of an initial exceedance of compliance well data, the 1-of-3 resample plan allows for collection of two additional samples to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. Additionally, in the future, the two-step statistical analysis described above will be applied before an SSI is confirmed.

Summary of Background Update for CCR Appendix III Parameters – March 2020

Prior to updating background data in March 2020, Tukey's outlier test and visual screening were used to evaluate data through September 2019. Tukey's test was used for all wells for the intrawell parameters and for only the upgradient wells for the interwell parameters. Tukey's test noted several potential outliers in downgradient wells for intrawell

parameters, but these values were not flagged as they appeared to be representative of natural variation. Although not noted on Tukey's test, a high value for sulfate in downgradient well GWC-44 was flagged as an outlier to construct statistical limits that are conservative from a regulatory perspective. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. An updated summary of flagged outliers follows this letter (Figure C).

For constituents requiring intrawell prediction limits (calcium, chloride, sulfate, and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through July 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. The results of the Mann-Whitney test were submitted with the screening. Statistically significant differences were found between the two groups for the following well/constituent pairs: calcium in upgradient well GWA-43 and downgradient well GWC-49Z; chloride in downgradient well GWC-46R; sulfate in upgradient wells GWA-40 and GWA-43, and downgradient well GWC-49R; and TDS in upgradient well GWA-39Z.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which one or both of the segments being compared are short, the comparison is complicated by the fact that normal short-term variation may be mistaken for a long-term change in medians. In this analysis all of the cases with statistically significant Mann-Whitney results were updated. The individual cases are discussed below.

For chloride in downgradient well GWC-46R, the newer data had only a slightly lower median, and reported measurements were similar to those observed earlier in the record. For calcium in downgradient well GWA-43 and upgradient well GWC-49Z and sulfate in upgradient well GWA-43, the newer, lower concentrations are very similar to those in the later portion of the historical data segments.

Although sulfate in well GWA-40 and TDS in well GWA-39Z showed increases in median concentrations, these are upgradient wells which reflect natural variation in groundwater unrelated to the facility. Additionally, the patterns and concentrations are similar to those in other upgradient wells. An increase in median concentrations was also noted for sulfate

in downgradient well GWC-49R, but the magnitude of the increase is minimal relative to the variation in other wells for sulfate.

For calcium, chloride, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data within each well through September 2019. Future compliance observations at each well are compared to these background limits during each subsequent semi-annual sampling event.

For boron, fluoride, and pH, which are evaluated using interwell prediction limits, the Sen's Slope/Mann-Kendall trend test was used on upgradient wells to determine whether concentrations are statistically increasing, decreasing or stable over time. No statistically significant increasing trends were noted; however, statistically significant decreasing trends were noted for boron in wells GWA-41R, GWA-43R, and GWA-39RZ, and pH in wells GWA-41R and GWA-43. The apparent decreasing trends in boron are exaggerated by high nondetect values early in the record. Since the other trends were of short duration and relatively low in magnitude with concentrations similar to those in neighboring upgradient wells, no adjustments were necessary. However, if these trends persist, particularly the decreasing trend in pH at GWA-43, the background period may need to be adjusted to provide representative interwell limits. The trend tests results were included with the screening.

All background data sets for the constituents listed above were updated using all available data from upgradient wells through September 2019. The interwell prediction limits are used to evaluate future compliance samples for the above constituents at each downgradient well.

Statistical Analysis of Georgia EPD Constituents – September 2020 Sample Event

Intrawell prediction limits, combined with a 1-of-3 resample plan for Bedrock and Overburden wells were constructed separately using all available data within each well with detections through September 2018 (Figures D and E, respectively). Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. A substitution of the most recent reporting limit was applied when varying detection limits existed in data. For some parameters such as zinc and cobalt, different reporting limits exist among wells. While the lowest reporting limit is plotted for all wells on the time series graphs for a given constituent, the most recent reporting limit for an individual wells is used as the nondetect substitution for the intrawell prediction limits. During this analysis, the reporting limit for zinc in Bedrock upgradient well GWA-43R increased to 0.02 mg/L compared to the historical reporting limit of 0.01 mg/L. Additionally, the reporting limit for cobalt in Overburden upgradient well GWA-39Z

decreased to 0.005 mg/L from the historical reporting limit of 0.01 mg/L. Therefore, slight changes were noted in the resulting intrawell prediction limits for both of these upgradient wells.

As previously discussed, no statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-3 plan allows collection of up to two samples. When both resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. The following prediction limit exceedances were noted:

Bedrock

- Barium: GWA-39RZ (upgradient) and GWC-49R
- Zinc: GWC-47R

Overburden

- Antimony: GWC-45

When exceedances are noted upgradient of the facility, it is an indication of naturally occurring changes in groundwater quality. Interwell prediction limits were then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedance for the Bedrock and Overburden downgradient wells (Figures F and G, respectively). For the Bedrock wells, zinc was found to exceed the interwell prediction limit for well GWC-47R. For the Overburden wells, antimony was found to exceed its interwell prediction limit in well GWC-45. Summaries of the Georgia EPD prediction limits follow this report.

When prediction limit exceedances occur, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are also included in the trend analyses along with downgradient to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. No statistically significant trends were present in any of the well/constituent pairs. A summary of the trend test results for the Bedrock and Overburden wells follows this letter (Figures H and I, respectively).

Statistical Analysis of CCR Appendix III Parameters – September 2020 Sample Event

For calcium, chloride, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (Figure J). The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. Exceedances were noted for the following:

- Chloride: GWC-48
- Sulfate: GWC-48

Interwell prediction limits were then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances (Figure K). No interwell prediction limit exceedances were noted.

For boron, fluoride, and pH, which are evaluated using interwell prediction limits, combined with a 1-of-2 resample plan, prediction limits were constructed using all historical data through September 2020 (Figure L). The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. Exceedances were noted for the following:

- pH (lower limit): GWC-44, GWC-45, GWC-48, GWC-49R, and GWC-49Z

Data from well/constituent pairs found to exceed their respective prediction limits were further evaluated using the Sen's Slope/Mann Kendall trend test. Upgradient wells were included for any constituents requiring trend tests in downgradient wells (Figure M). The following statistically significant trends were noted:

Increasing:

- Chloride: GWC-48

Decreasing:

- Chloride: GWA-39Z (upgradient)
- pH: GWA-41R (upgradient), GWA-43 (upgradient) and GWC-49Z
- Sulfate: GWA-39Z (upgradient) and GWA-43 (upgradient)

Resample Reports – December 2020

Resamples were collected in December 2020 for antimony and pH in well GWC-45. The state intrawell prediction limit using background data through September 2018, which

evaluates the December 2020 sample for this well/constituent pair, is provided at the end of the report (Figure N). No exceedance was identified for antimony in well GWC-45; therefore, no further action is required. However, the federal interwell prediction limit using background data through December 2020 for pH in well GWC-45 was found to exceed its respective interwell prediction limit (Figure O).

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test as mentioned above (Figure P). While a few statistically significant decreasing trends were noted in upgradient wells for pH, no statistically significant trends were identified. Complete graphical results of the trend tests follow this letter.

Summary

The following intrawell prediction limit exceedances were noted for the Georgia EPD parameters:

Bedrock

- Barium: GWA-39RZ (upgradient) and GWC-49R
- Zinc: GWC-47R

Overburden

- Antimony: GWC-45

The following intrawell and interwell prediction limit exceedances were noted for the CCR parameters:

Intrawell Prediction Limits

- Chloride: GWC-48
- Sulfate: GWC-48

Interwell Prediction Limits

- pH (lower limit): GWC-44, GWC-45, GWC-48, GWC-49R, and GWC-49Z

For apparent intrawell prediction limit exceedances, interwell prediction limits were constructed as discussed earlier in the Two-Step Analysis Approach. No interwell exceedances were noted except for the following:

Bedrock

- Zinc: GWC-47R

Overburden

- Antimony: GWC-45

Trend analyses were conducted on all intrawell and interwell prediction limit exceedances, and no statistically significant trends were noted for the Georgia EPD parameters. The following statistically significant trends were noted for the CCR Appendix III parameters:

Increasing:

- Chloride: GWC-48

Decreasing:

- Chloride: GWA-39Z (upgradient)
- pH: GWA-41R (upgradient), GWA-43 (upgradient) and GWC-49Z
- Sulfate: GWA-39Z (upgradient) and GWA-43 (upgradient)

After resampling in December 2020 for antimony and pH in well GWC-45, no statistical exceedance was identified for antimony, but pH exceeded its respective interwell prediction limit. Although a few upgradient wells for pH exhibited statistically significant decreasing trends, no statistically significant trends were noted for pH in well GWC-45.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill at Cells 9 & 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Kristina Rayner
Groundwater Statistician

100% ND Bedrock Wells State Parameters

Date: 10/30/2020 11:06 AM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Beryllium (mg/L)

GWC-45R, GWC-46R, GWC-47R, GWC-49R

Cadmium (mg/L)

GWA-41R, GWA-43R, GWC-45R, GWC-46R, GWC-47R, GWC-49R

Cobalt (mg/L)

GWA-43R, GWC-45R, GWC-47R, GWC-49R

Copper (mg/L)

GWC-49R

Lead (mg/L)

GWC-46R, GWC-49R

Mercury (mg/L)

GWA-41R, GWC-45R, GWC-46R

Nickel (mg/L)

GWC-45R

Selenium (mg/L)

GWA-39RZ, GWA-41R, GWA-43R, GWC-45R, GWC-47R, GWC-49R

Silver (mg/L)

GWA-41R, GWA-43R, GWC-45R, GWC-46R, GWC-47R, GWC-49R

Thallium (mg/L)

GWA-43R, GWC-45R

Vanadium (mg/L)

GWA-41R, GWC-45R, GWC-46R, GWC-49R

100% Nondetects - Overburden State Parameters

Date: 10/30/2020 3:36 PM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Antimony (mg/L)

GWA-41, GWC-44

Arsenic (mg/L)

GWA-41, GWA-42, GWA-43, GWC-45, GWC-48, GWC-49Z

Beryllium (mg/L)

GWA-39Z, GWA-40, GWA-41, GWA-43, GWC-45, GWC-47, GWC-49Z

Cadmium (mg/L)

GWA-40, GWA-41, GWC-45

Cobalt (mg/L)

GWA-40, GWA-41, GWC-47

Mercury (mg/L)

GWA-39Z, GWA-41, GWA-43, GWC-44, GWC-45, GWC-47

Nickel (mg/L)

GWA-40

Selenium (mg/L)

GWA-39Z, GWA-40, GWA-41, GWA-42, GWC-45, GWC-47, GWC-49Z

Silver (mg/L)

GWA-39Z, GWA-40, GWA-41, GWA-42, GWA-43, GWC-44, GWC-45, GWC-47, GWC-48, GWC-49Z

Thallium (mg/L)

GWA-41, GWC-45

Vanadium (mg/L)

GWA-39Z, GWA-40, GWA-41, GWA-42, GWC-44, GWC-47, GWC-48, GWC-49Z

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 11/1/2020, 7:00 AM

GWC-45 Antimony (mg/L) GWC-44 Arsenic (mg/L) GWC-47R Arsenic (mg/L) GWA-40 Barium (mg/L) GWC-44 Barium (mg/L) GWC-45 Barium (mg/L) GWC-47R Barium (mg/L) GWA-42 Beryllium (mg/L) GWC-45R Cadmium (mg/L) GWC-48 Cadmium (mg/L)

Date	GWC-45 Antimony (mg/L)	GWC-44 Arsenic (mg/L)	GWC-47R Arsenic (mg/L)	GWA-40 Barium (mg/L)	GWC-44 Barium (mg/L)	GWC-45 Barium (mg/L)	GWC-47R Barium (mg/L)	GWA-42 Beryllium (mg/L)	GWC-45R Cadmium (mg/L)	GWC-48 Cadmium (mg/L)
3/10/2016			0.0551 (o)				0.0344 (o)			0.0195 (Jo)
3/11/2016								<0.005 (o)		
3/15/2016				<3 (o)						
3/16/2016		0.0657 (o)			<3 (o)	0.6294 (o)			0.0167 (o)	
5/16/2016								<0.003 (o)		
5/18/2016										
9/27/2017	0.0111 (o)									
3/14/2019										

GWC-47 Chromium (mg/L) GWC-47R Chromium (mg/L) GWC-44 Sulfate (mg/L)

Date	GWC-47 Chromium (mg/L)	GWC-47R Chromium (mg/L)	GWC-44 Sulfate (mg/L)
3/10/2016	0.0439 (o)		
3/11/2016			
3/15/2016			
3/16/2016			
5/16/2016			
5/18/2016		0.00606 (Jo)	
9/27/2017			
3/14/2019			79.7 (O)

State Bedrock Intrawell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWA-39RZ	0.01964	n/a	9/16/2020	0.027	Yes	11	0.01544	0.002236	0	None	No	0.0008228	Param Intra 1 of 3	
Barium (mg/L)	GWC-49R	0.01169	n/a	9/11/2020	0.012	Yes	11	9.9e-7	3.2e-7	9.091	None	x^3	0.0008228	Param Intra 1 of 3	
Zinc (mg/L)	GWC-47R	0.01788	n/a	9/15/2020	0.028	Yes	10	0.0133	0.002353	20	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3	

State Bedrock Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-39RZ	0.007699	n/a	9/16/2020	0.0028J	No	11	0.003012	0.002494	18.18	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWA-41R	0.0035	n/a	9/10/2020	0.0019J	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-43R	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-45R	0.003517	n/a	9/11/2020	0.00043J	No	11	0.001604	0.001018	27.27	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWC-46R	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-47R	0.001616	n/a	9/15/2020	0.00053J	No	11	0.03034	0.005246	45.45	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWC-49R	0.003	n/a	9/11/2020	0.0011J	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	9/16/2020	0.005ND	No	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-41R	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-43R	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-45R	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-46R	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-47R	0.005	n/a	9/15/2020	0.005ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Arsenic (mg/L)	GWC-49R	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-39RZ	0.01964	n/a	9/16/2020	0.027	Yes	11	0.01544	0.002236	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWA-41R	0.0447	n/a	9/10/2020	0.031	No	11	0.02243	0.01186	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWA-43R	0.008996	n/a	9/14/2020	0.0075J	No	11	0.008105	0.0004743	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-45R	0.02411	n/a	9/11/2020	0.021	No	11	0.02006	0.002154	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-46R	0.02079	n/a	9/14/2020	0.013	No	11	0.01549	0.002822	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-47R	0.01808	n/a	9/15/2020	0.0084J	No	10	0.01146	0.003404	10	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-49R	0.01169	n/a	9/11/2020	0.012	Yes	11	9.9e-7	3.2e-7	9.091	None	x^3	0.0008228	Param Intra 1 of 3
Beryllium (mg/L)	GWA-39RZ	0.003	n/a	9/16/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-41R	0.003	n/a	9/10/2020	0.003ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-43R	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-39RZ	0.0025	n/a	9/16/2020	0.0025ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-39RZ	0.01	n/a	9/16/2020	0.00058J	No	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41R	0.01	n/a	9/10/2020	0.01ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-43R	0.002735	n/a	9/14/2020	0.0011J	No	11	-6.826	0.492	45.45	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-45R	0.01	n/a	9/11/2020	0.00067J	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-46R	0.003994	n/a	9/14/2020	0.006J	No	11	-6.182	0.3505	27.27	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-47R	0.003043	n/a	9/15/2020	0.0017J	No	10	0.001916	0.0005792	0	None	No	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-49R	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	9/16/2020	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-41R	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-46R	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-39RZ	0.0271	n/a	9/16/2020	0.025ND	No	7	n/a	n/a	71.43	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-41R	0.025	n/a	9/10/2020	0.025ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-43R	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-45R	0.025	n/a	9/11/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-46R	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-47R	0.025	n/a	9/15/2020	0.025ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-39RZ	0.005	n/a	9/16/2020	0.0005J	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-41R	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-43R	0.005	n/a	9/14/2020	0.000066J	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-45R	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-47R	0.005	n/a	9/15/2020	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-39RZ	0.0005	n/a	9/16/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-43R	0.0005	n/a	9/14/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-47R	0.0005	n/a	9/15/2020	0.0005ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-49R	0.0005	n/a	9/11/2020	0.0005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

State Bedrock Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	9/16/2020	0.01ND	No	7	n/a	n/a	57.14	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-41R	0.01	n/a	9/10/2020	0.01ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-43R	0.01	n/a	9/14/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-46R	0.01	n/a	9/14/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-47R	0.01	n/a	9/15/2020	0.01ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-49R	0.01	n/a	9/11/2020	0.01ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-46R	0.01	n/a	9/14/2020	0.01ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-39RZ	0.01	n/a	9/16/2020	0.01ND	No	7	n/a	n/a	85.71	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-39RZ	0.001	n/a	9/16/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-41R	0.001	n/a	9/10/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-46R	0.001	n/a	9/14/2020	0.001ND	No	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-47R	0.0009583	n/a	9/15/2020	0.00016J	No	11	-7.867	0.4878	0	None	ln(x)	0.0008228	Param Intra 1 of 3
Thallium (mg/L)	GWC-49R	0.001	n/a	9/11/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	9/16/2020	0.01ND	No	7	n/a	n/a	85.71	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-43R	0.01	n/a	9/14/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-47R	0.01	n/a	9/15/2020	0.01ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-39RZ	0.02	n/a	9/16/2020	0.02ND	No	7	n/a	n/a	57.14	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-41R	0.02	n/a	9/10/2020	0.02ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-43R	0.0106	n/a	9/14/2020	0.02ND	No	10	0.06528	0.01935	50	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-45R	0.007759	n/a	9/11/2020	0.02ND	No	10	0.0511	0.01901	40	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-46R	0.006955	n/a	9/14/2020	0.02ND	No	10	-5.789	0.4217	50	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-47R	0.01788	n/a	9/15/2020	0.028	Yes	10	0.0133	0.002353	20	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-49R	0.02	n/a	9/11/2020	0.02ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

State Overburden Intrawell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-45	0.003	n/a	9/11/2020	0.0076	Yes	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3

State Overburden Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-39Z	0.003043	n/a	9/10/2020	0.0003J	No	11	0.001342	0.0008802	27.27	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Antimony (mg/L)	GWA-40	0.003	n/a	9/11/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-42	0.003	n/a	9/10/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-43	0.003	n/a	9/11/2020	0.003ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-45	0.003	n/a	9/11/2020	0.0076	Yes	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Antimony (mg/L)	GWC-47	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-48	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-49Z	0.003	n/a	9/14/2020	0.0017J	No	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-39Z	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-40	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-44	0.005	n/a	9/15/2020	0.005ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-47	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-39Z	0.0319	n/a	9/10/2020	0.0042J	No	11	0.01385	0.009342	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-40	0.01224	n/a	9/11/2020	0.0079J	No	10	0.009012	0.001613	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-41	0.03429	n/a	9/10/2020	0.024	No	11	0.02693	0.003812	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-42	0.00668	n/a	9/10/2020	0.0059J	No	11	0.006255	0.0002197	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-43	0.04119	n/a	9/11/2020	0.024	No	11	0.02405	0.00887	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-44	0.0758	n/a	9/15/2020	0.035	No	10	0.0348	0.0205	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-45	0.006266	n/a	9/11/2020	0.006J	No	10	0.00579	0.0002378	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-47	0.01736	n/a	9/14/2020	0.0082J	No	11	0.01361	0.001939	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-48	0.03637	n/a	9/14/2020	0.035	No	11	0.0007215	0.0003112	9.091	None	x*2	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-49Z	0.01323	n/a	9/14/2020	0.0027J	No	11	0.0068	0.00333	9.091	None	No	0.0007022	Param Intra 1 of 3
Beryllium (mg/L)	GWA-42	0.0002	n/a	9/10/2020	0.00014J	No	9	n/a	n/a	0	n/a	n/a	0.004675	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-44	0.003	n/a	9/15/2020	0.000057J	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-48	0.003	n/a	9/14/2020	0.00033J	No	11	n/a	n/a	27.27	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-39Z	0.0025	n/a	9/10/2020	0.0025ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-42	0.001	n/a	9/10/2020	0.00015J	No	11	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-43	0.0025	n/a	9/11/2020	0.0025ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-44	0.0025	n/a	9/15/2020	0.0025ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-47	0.0025	n/a	9/14/2020	0.00014J	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-48	0.0007304	n/a	9/14/2020	0.00019J	No	10	-8.534	0.6559	10	None	ln(x)	0.0007022	Param Intra 1 of 3
Cadmium (mg/L)	GWC-49Z	0.0025	n/a	9/14/2020	0.0025ND	No	11	n/a	n/a	36.36	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWA-39Z	0.01	n/a	9/10/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-40	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41	0.01	n/a	9/10/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-42	0.01	n/a	9/10/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-43	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-44	0.01	n/a	9/15/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-45	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-47	0.007299	n/a	9/14/2020	0.0022J	No	10	-6.134	0.6071	10	None	ln(x)	0.0007022	Param Intra 1 of 3
Chromium (mg/L)	GWC-48	0.00362	n/a	9/14/2020	0.0024J	No	11	0.03719	0.01189	45.45	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Chromium (mg/L)	GWC-49Z	0.017	n/a	9/14/2020	0.01ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-39Z	0.009517	n/a	9/10/2020	0.005ND	No	11	0.04959	0.02482	9.091	None	sqrt(x)	0.0007022	Param Intra 1 of 3
Cobalt (mg/L)	GWA-42	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-43	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-44	0.01	n/a	9/15/2020	0.0015J	No	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-45	0.01	n/a	9/11/2020	0.0012J	No	11	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-48	0.01	n/a	9/14/2020	0.0017J	No	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-49Z	0.006036	n/a	9/14/2020	0.0014J	No	11	0.003487	0.001319	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Copper (mg/L)	GWA-39Z	0.025	n/a	9/10/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

State Overburden Intrawell Prediction Limit Summary - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWA-40	0.025	n/a	9/11/2020	0.025ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-41	0.025	n/a	9/10/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-42	0.025	n/a	9/10/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-43	0.025	n/a	9/11/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-44	0.025	n/a	9/15/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-45	0.025	n/a	9/11/2020	0.025ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Copper (mg/L)	GWC-47	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-48	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-49Z	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-39Z	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-40	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-41	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-42	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-43	0.005	n/a	9/11/2020	0.000046J	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-44	0.0008411	n/a	9/15/2020	0.00045J	No	11	-8.001	0.4762	27.27	Kaplan-Meier	ln(x)	0.0007022	Param Intra 1 of 3
Lead (mg/L)	GWC-45	0.005	n/a	9/11/2020	0.00012J	No	11	n/a	n/a	36.36	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-47	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-48	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-49Z	0.005	n/a	9/14/2020	0.000078J	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-40	0.0005	n/a	9/11/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-42	0.0005	n/a	9/10/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-48	0.0005	n/a	9/14/2020	0.00015J	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-49Z	0.0005	n/a	9/14/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-39Z	0.01194	n/a	9/10/2020	0.01ND	No	10	0.004838	0.00355	20	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Nickel (mg/L)	GWA-41	0.01	n/a	9/10/2020	0.01ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-42	0.01	n/a	9/10/2020	0.0011J	No	10	n/a	n/a	20	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWA-43	0.01	n/a	9/11/2020	0.00089J	No	10	n/a	n/a	40	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-44	0.01	n/a	9/15/2020	0.01ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-45	0.01	n/a	9/11/2020	0.00099J	No	10	n/a	n/a	10	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-47	0.01	n/a	9/14/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-48	0.01	n/a	9/14/2020	0.0046J	No	10	n/a	n/a	10	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-49Z	0.009582	n/a	9/14/2020	0.0014J	No	10	0.004688	0.002447	10	None	No	0.0007022	Param Intra 1 of 3
Selenium (mg/L)	GWA-43	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-44	0.006719	n/a	9/15/2020	0.01ND	No	11	0.05783	0.01249	45.45	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Selenium (mg/L)	GWC-48	0.01	n/a	9/14/2020	0.01ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-39Z	0.001	n/a	9/10/2020	0.001ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-40	0.001	n/a	9/11/2020	0.001ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-42	0.001	n/a	9/10/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-43	0.001	n/a	9/11/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-44	0.001	n/a	9/15/2020	0.001ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-47	0.001	n/a	9/14/2020	0.001ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-48	0.001	n/a	9/14/2020	0.001ND	No	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-49Z	0.001	n/a	9/14/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-43	0.01	n/a	9/11/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-45	0.01	n/a	9/11/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-39Z	0.02	n/a	9/10/2020	0.02ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-40	0.02	n/a	9/11/2020	0.02ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-41	0.02	n/a	9/10/2020	0.02ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-42	0.01457	n/a	9/10/2020	0.0073J	No	10	0.09783	0.01143	40	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWA-43	0.01051	n/a	9/11/2020	0.02ND	No	10	0.06139	0.02056	50	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3

State Overburden Intrawell Prediction Limit Summary - All Results ^{Page 3}

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-44	0.006244	n/a	9/15/2020	0.0062J	No	10	0.06517	0.006924	40	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-45	0.02	n/a	9/11/2020	0.02ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-47	0.03542	n/a	9/14/2020	0.032	No	11	0.02497	0.005411	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-48	0.008972	n/a	9/14/2020	0.0076J	No	10	0.006348	0.001312	50	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-49Z	0.01	n/a	9/14/2020	0.0042J	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

State Bedrock Interwell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 2:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-49R	0.0462	n/a	9/11/2020	0.012	No	44	n/a	n/a	0	n/a	n/a	0.00006544	NP Inter (normality) 1 of 3
Zinc (mg/L)	GWC-47R	0.02	n/a	9/15/2020	0.028	Yes	38	n/a	n/a	52.63	n/a	n/a	0.00009554	NP Inter (NDs) 1 of 3

State Overburden Interwell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-45	0.003	n/a	9/11/2020	0.0076	Yes	75	n/a	n/a	81.33	n/a	n/a	0.00001347	NP Inter (NDs) 1 of 3

State Trend Test Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 2:42 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-39RZ (bg)	0.00136	33	48	No	14	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41R (bg)	0.002374	24	53	No	15	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0001003	-23	-53	No	15	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-49R	0.0003522	9	53	No	15	6.667	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-39RZ (bg)	0	-5	-30	No	10	50	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-41R (bg)	0	-15	-48	No	14	64.29	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-43R (bg)	0	-11	-48	No	14	42.86	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-47R	0.001932	13	48	No	14	14.29	n/a	n/a	0.01	NP

State Overburden Trend Test Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-39Z (bg)	0	-8	-53	No	15	26.67	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-40 (bg)	0	6	53	No	15	93.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-42 (bg)	0	10	53	No	15	93.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43 (bg)	0	-12	-53	No	15	93.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-45	-0.00001087	-11	-53	No	15	33.33	n/a	n/a	0.01	NP

Federal Intrawell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-48	3.612	n/a	9/14/2020	4	Yes	13	2.572	0.4151	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-48	3.856	n/a	9/14/2020	5.4	Yes	14	1.869	0.8101	7.143	None	No	0.0008358	Param Intra 1 of 2

Federal Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWA-39RZ	41.66	n/a	9/16/2020	34.9	No	13	31.85	3.916	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-39Z	35.15	n/a	9/10/2020	1	No	14	14.39	8.463	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-40	28.9	n/a	9/11/2020	17.7	No	13	21.22	3.07	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-41	40.96	n/a	9/10/2020	13.5	No	13	18.11	9.126	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-41R	45.25	n/a	9/10/2020	22.9	No	13	33.5	4.693	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-42	35.5	n/a	9/10/2020	31.1	No	13	30.44	2.022	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-43	19.73	n/a	9/11/2020	9	No	13	7.587	4.85	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-43R	32.72	n/a	9/14/2020	31	No	14	28.45	1.742	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-44	16.95	n/a	9/15/2020	8.3	No	13	5.414	4.606	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45	0.9609	n/a	9/11/2020	0.81J	No	13	0.9012	0.03156	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45R	41.57	n/a	9/11/2020	35.3	No	13	33.75	3.119	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-46R	54.42	n/a	9/14/2020	40.2	No	13	44.5	3.96	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-47	30.67	n/a	9/14/2020	20.9	No	13	23.9	2.702	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-47R	38.32	n/a	9/15/2020	31.6	No	13	30.12	3.276	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-48	11.28	n/a	9/14/2020	3.5	No	13	1.729	0.6507	7.692	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-49R	31.53	n/a	9/11/2020	24.7	No	13	25.18	2.536	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-49Z	6.919	n/a	9/14/2020	0.65J	No	13	1.179	0.2903	0	None	x^(1/3)	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-39RZ	3.98	n/a	9/16/2020	1.7	No	13	2.48	0.5988	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-39Z	2.355	n/a	9/10/2020	1.2	No	13	1.633	0.2883	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-40	3.889	n/a	9/11/2020	0.77J	No	14	1.224	0.305	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-41	4.209	n/a	9/10/2020	1.2	No	13	2.027	0.8715	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-41R	6.223	n/a	9/10/2020	1.4	No	13	3.133	1.234	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-42	3.894	n/a	9/10/2020	2	No	13	2.763	0.4518	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-43	1.591	n/a	9/11/2020	1.3	No	13	1.329	0.1047	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-43R	5.573	n/a	9/14/2020	3.3	No	13	3.368	0.8802	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-44	9.945	n/a	9/15/2020	4.2	No	14	4.578	2.188	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45	1.232	n/a	9/11/2020	0.79J	No	13	0.9601	0.1087	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45R	4.3	n/a	9/11/2020	3.1	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-46R	3.019	n/a	9/14/2020	1.1	No	13	2.15	0.3467	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-47	3.019	n/a	9/14/2020	2.2	No	13	2.519	0.2	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-47R	3.021	n/a	9/15/2020	2.2	No	13	2.5	0.2079	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-48	3.612	n/a	9/14/2020	4	Yes	13	2.572	0.4151	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-49R	2.7	n/a	9/11/2020	1.2	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-49Z	1.455	n/a	9/14/2020	0.98J	No	13	1.118	0.1348	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-39RZ	30.14	n/a	9/16/2020	8.6	No	13	12.5	7.045	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-39Z	9.678	n/a	9/10/2020	0.95J	No	13	4.516	2.061	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-40	7.087	n/a	9/11/2020	1.3	No	14	1.363	0.5295	7.143	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-41	11.99	n/a	9/10/2020	1.7	No	13	1.385	0.3607	0	None	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-41R	12.93	n/a	9/10/2020	5.9	No	13	5.16	3.101	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-42	2.644	n/a	9/10/2020	0.95J	No	13	1.641	0.4006	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-43	2.037	n/a	9/11/2020	0.5ND	No	13	0.8393	0.4783	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-43R	10.71	n/a	9/14/2020	4.9	No	13	6.176	1.812	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-44	52.83	n/a	9/15/2020	23.1	No	13	17.74	14.01	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-45	1.809	n/a	9/11/2020	0.5ND	No	13	0.7349	0.4287	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-45R	4.171	n/a	9/11/2020	2.8	No	13	1.678	0.1456	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-46R	9.593	n/a	9/14/2020	6.9	No	13	6.725	1.145	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-47	5.618	n/a	9/14/2020	4.3	No	13	4.287	0.5315	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-47R	16.1	n/a	9/15/2020	9.6	No	13	9.164	2.771	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-48	3.856	n/a	9/14/2020	5.4	Yes	14	1.869	0.8101	7.143	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-49R	6.225	n/a	9/11/2020	2.1	No	14	1.88	0.2508	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2

Federal Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-49Z	10.28	n/a	9/14/2020	1.2	No	13	0.9416	0.5543	0	None		ln(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-39RZ	264.6	n/a	9/16/2020	156	No	13	170.3	37.67	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-39Z	175.8	n/a	9/10/2020	16	No	12	77	38.66	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-40	161.4	n/a	9/11/2020	102	No	13	107.8	21.41	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41	200.2	n/a	9/10/2020	35	No	13	85.46	45.83	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41R	247.5	n/a	9/10/2020	111	No	13	156	36.55	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-42	187.7	n/a	9/10/2020	120	No	13	135.9	20.69	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-43	90.21	n/a	9/11/2020	31	No	13	40.62	19.8	23.08	Kaplan-Meier		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-43R	179.1	n/a	9/14/2020	146	No	13	141	15.22	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-44	190.9	n/a	9/15/2020	56	No	14	3.427	0.9504	21.43	Kaplan-Meier	x^(1/3)		0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-45	39	n/a	9/11/2020	11	No	13	n/a	n/a	53.85	n/a		n/a	0.009692	NP Intra (NDs) 1 of 2
Total Dissolved Solids (mg/l)	GWC-45R	226.6	n/a	9/11/2020	146	No	13	158.7	27.13	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-46R	293.7	n/a	9/14/2020	232	No	13	234.8	23.52	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-47	171.4	n/a	9/14/2020	129	No	13	127.8	17.38	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-47R	187.7	n/a	9/15/2020	108	No	13	154.5	13.26	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-48	62.49	n/a	9/14/2020	47	No	13	4.798	1.241	30.77	Kaplan-Meier	sqrt(x)		0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-49R	196.3	n/a	9/11/2020	127	No	13	126.6	27.83	0	None		No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-49Z	63.44	n/a	9/14/2020	25	No	13	31.4	12.79	23.08	Kaplan-Meier		No	0.0008358	Param Intra 1 of 2

Federal Interwell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:52 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-48	6.147	n/a	9/14/2020	4	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-48	14.31	n/a	9/14/2020	5.4	No	121	1.48	0.4911	4.959	None	x^(1/3)	0.0008358	Param Inter 1 of 2

Federal Interwell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 4:06 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	GWC-44	7.89	5.5	9/15/2020	4.46	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-45	7.89	5.5	9/11/2020	4.91	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-48	7.89	5.5	9/14/2020	5	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-49R	7.89	5.5	9/11/2020	8	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-49Z	7.89	5.5	9/14/2020	5.32	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2

Federal Interwell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 4:06 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-44	0.1	n/a	9/15/2020	0.0089J	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-45	0.1	n/a	9/11/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-45R	0.1	n/a	9/11/2020	0.0056J	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-46R	0.1	n/a	9/14/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-47	0.1	n/a	9/14/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-47R	0.1	n/a	9/15/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-48	0.1	n/a	9/14/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-49R	0.1	n/a	9/11/2020	0.0057J	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-49Z	0.1	n/a	9/14/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-44	0.3	n/a	9/15/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-45	0.3	n/a	9/11/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-45R	0.3	n/a	9/11/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-46R	0.3	n/a	9/14/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-47	0.3	n/a	9/14/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-47R	0.3	n/a	9/15/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-48	0.3	n/a	9/14/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-49R	0.3	n/a	9/11/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-49Z	0.3	n/a	9/14/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
pH (SU)	GWC-44	7.89	5.5	9/15/2020	4.46	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-45	7.89	5.5	9/11/2020	4.91	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-45R	7.89	5.5	9/11/2020	7.26	No	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-46R	7.89	5.5	9/14/2020	7.43	No	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-47	7.89	5.5	9/14/2020	7.54	No	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-47R	7.89	5.5	9/15/2020	7.64	No	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-48	7.89	5.5	9/14/2020	5	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-49R	7.89	5.5	9/11/2020	8	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-49Z	7.89	5.5	9/14/2020	5.32	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2

Federal Trend Test Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 4:21 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Chloride (mg/L)	GWA-39Z (bg)	-0.1592	-61	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-48	0.3483	71	53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41R (bg)	-0.1329	-73	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43 (bg)	-0.2467	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWC-49Z	-0.1426	-64	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.176	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.2541	-64	-53	Yes	15	20	n/a	n/a	0.01	NP

Federal Trend Test Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 4:21 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-39RZ (bg)	-0.09959	-16	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-39Z (bg)	-0.1592	-61	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-40 (bg)	0.04182	8	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-41 (bg)	-0.1338	-37	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-41R (bg)	-0.4654	-50	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-42 (bg)	0.05775	13	53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-43 (bg)	0	2	53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-43R (bg)	0	-2	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-48	0.3483	71	53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-39RZ (bg)	-0.01609	-24	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-39Z (bg)	-0.007131	-2	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWA-40 (bg)	-0.03733	-29	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41 (bg)	-0.002307	-2	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41R (bg)	-0.1329	-73	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-42 (bg)	0	2	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43 (bg)	-0.2467	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43R (bg)	-0.02289	-38	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-44	-0.0428	-41	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-45	-0.03854	-41	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-48	-0.03368	-29	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-49R	0.04661	32	58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-49Z	-0.1426	-64	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-39RZ (bg)	0.6079	4	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.176	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-40 (bg)	0.1208	26	58	No	16	6.25	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-41 (bg)	0.03349	6	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-41R (bg)	0.8012	27	53	No	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-42 (bg)	0.08663	15	53	No	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.2541	-64	-53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-43R (bg)	-0.3022	-12	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-48	-0.2054	-27	-58	No	16	6.25	n/a	n/a	0.01	NP

State Overburden Intrawell Prediction Limits (Resample)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 1/26/2021, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-45	0.003	n/a	12/15/2020	0.0014J	No	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3

Federal Interwell Prediction Limits (Resample)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 1/26/2021, 2:11 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	GWC-45	7.89	5.5	12/15/2020	4.92	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2

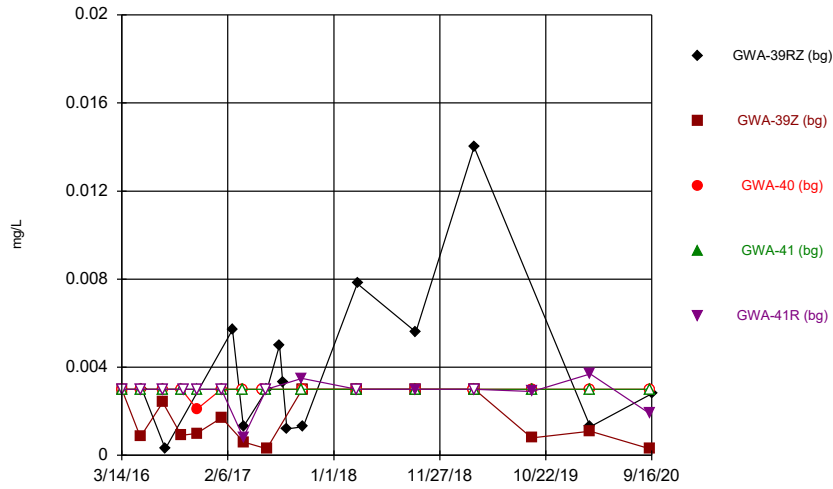
Federal Trend Test Summary (Resample)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 1/26/2021, 3:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
pH (SU)	GWA-39RZ (bg)	-0.01609	-24	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-39Z (bg)	-0.007131	-2	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWA-40 (bg)	-0.03733	-29	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41 (bg)	-0.002307	-2	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41R (bg)	-0.1329	-73	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-42 (bg)	0	2	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43 (bg)	-0.2467	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43R (bg)	-0.02289	-38	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-45	-0.03879	-50	-63	No	17	0	n/a	n/a	0.01	NP

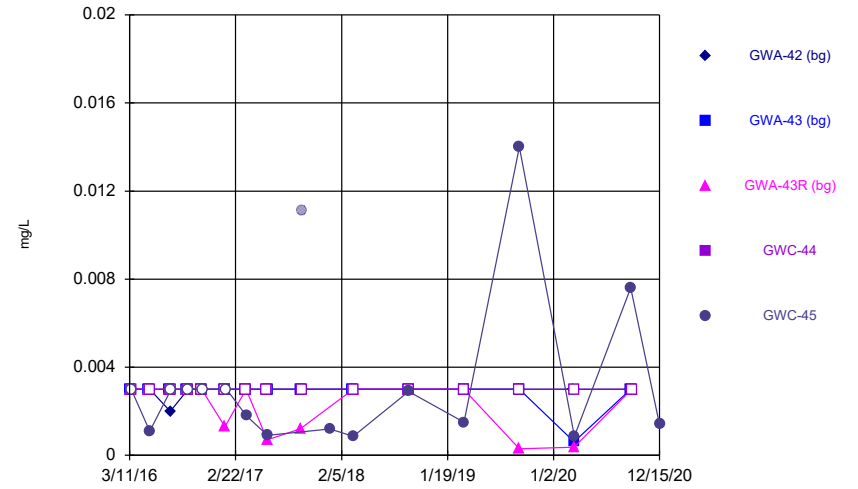
FIGURE A.

Time Series



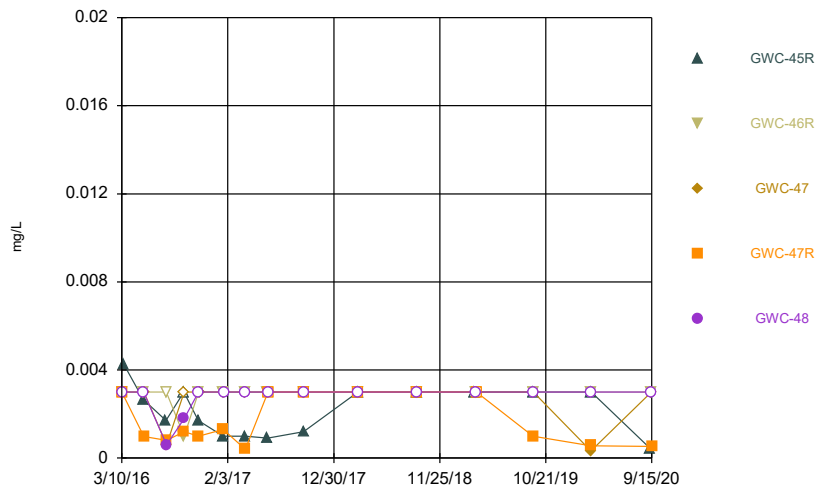
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



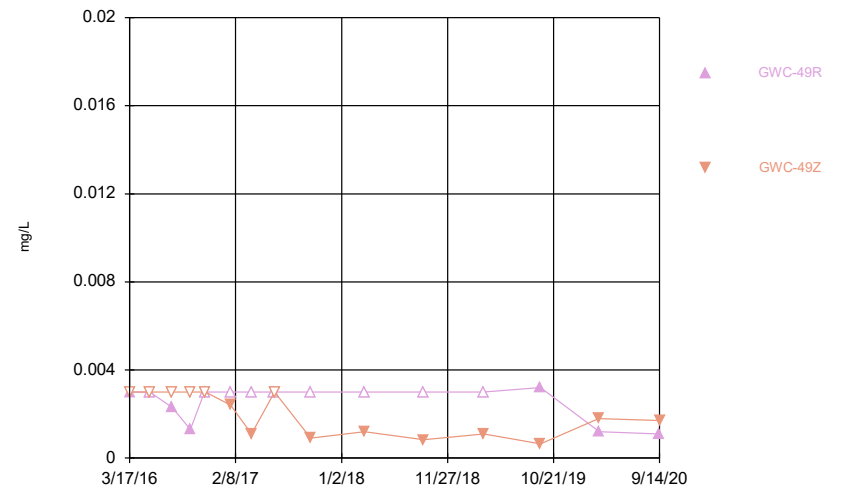
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



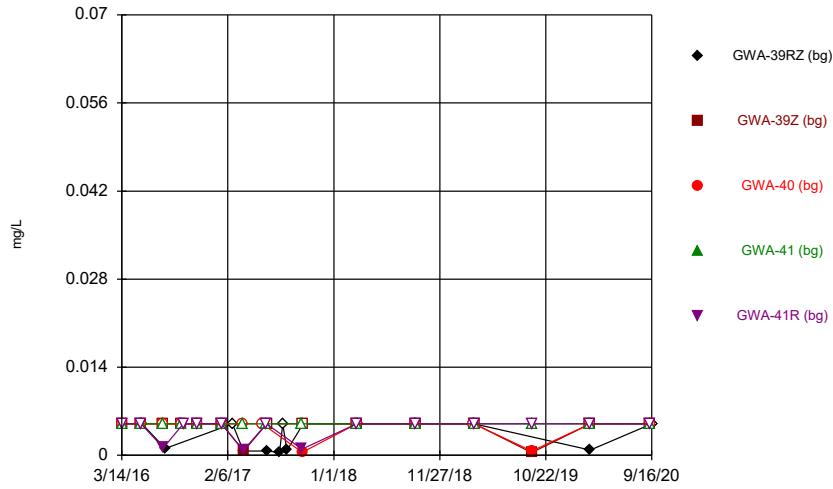
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Time Series



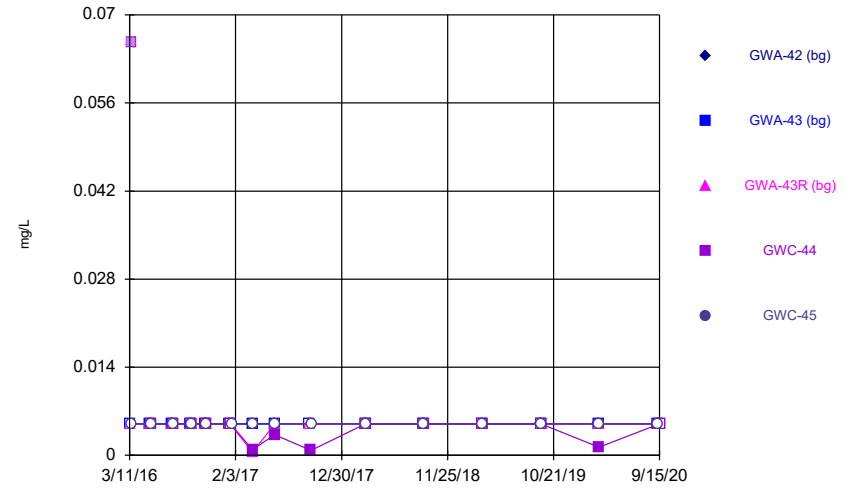
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



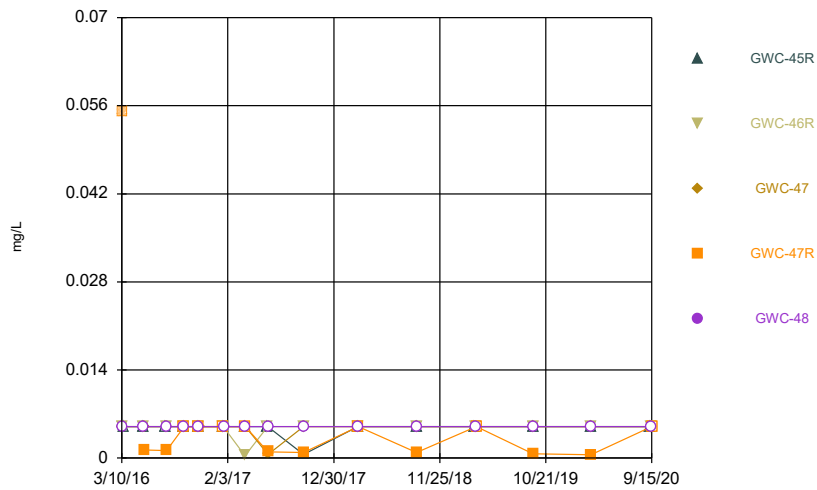
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Time Series



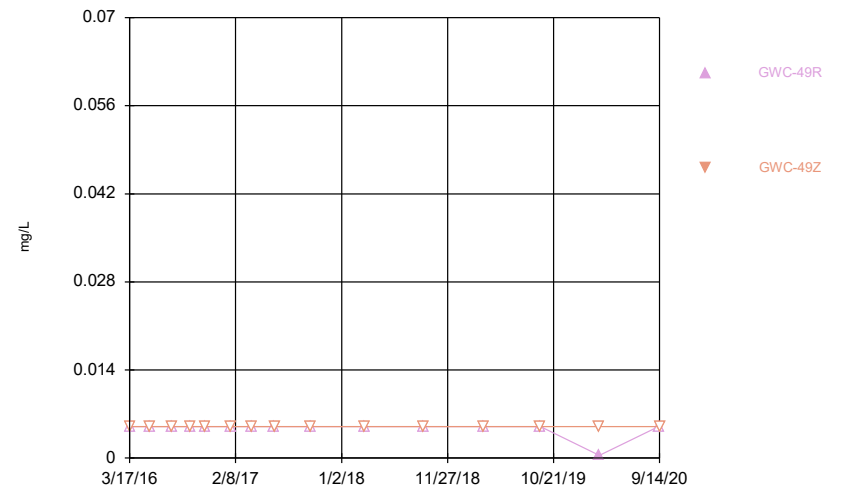
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



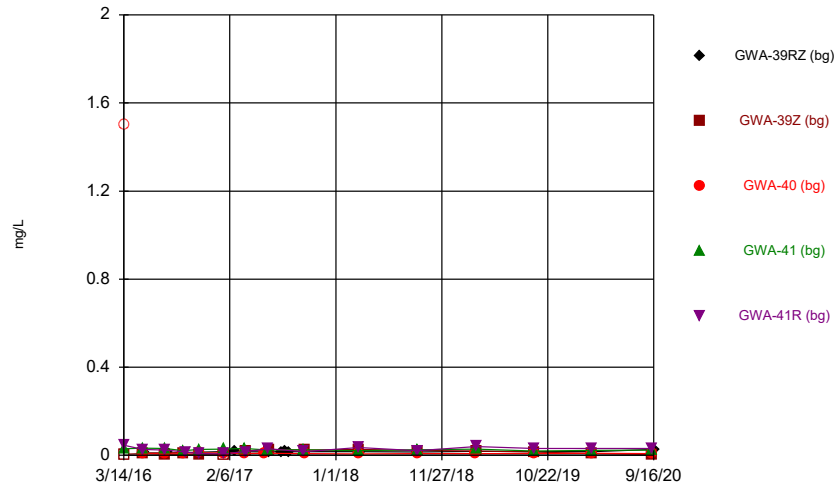
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Time Series



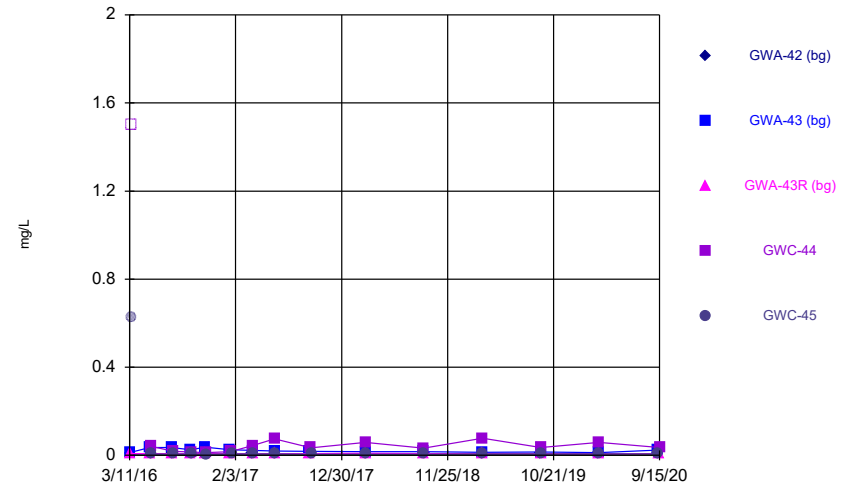
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Time Series



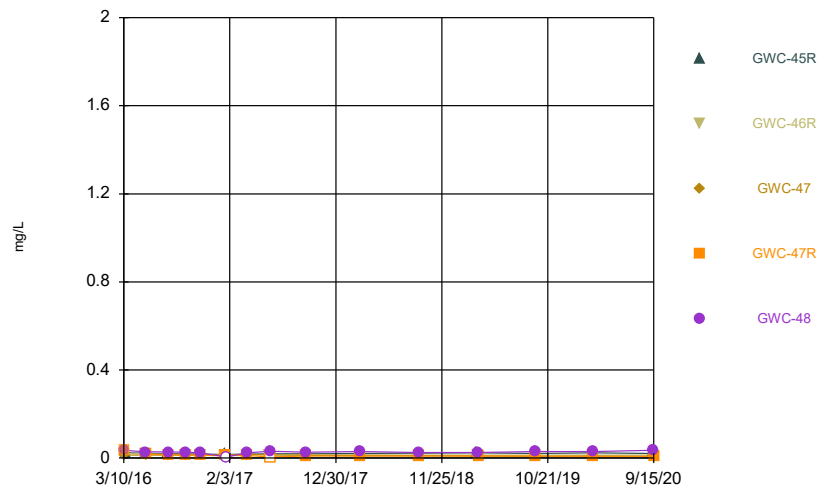
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



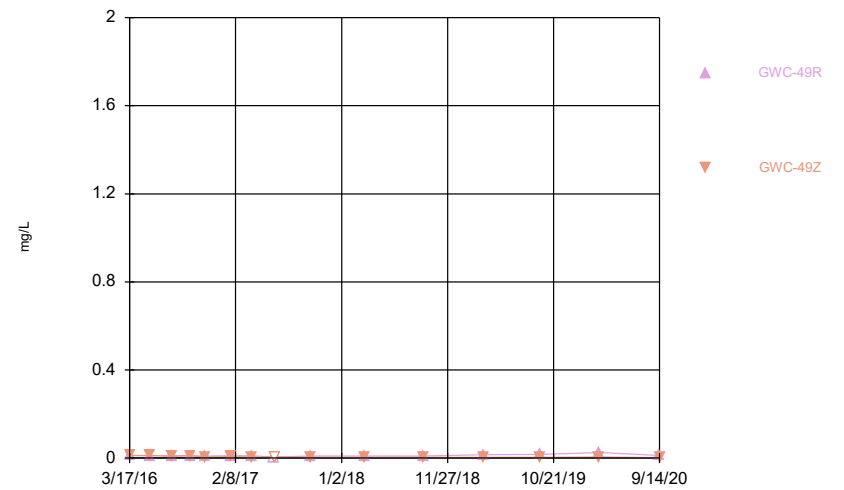
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



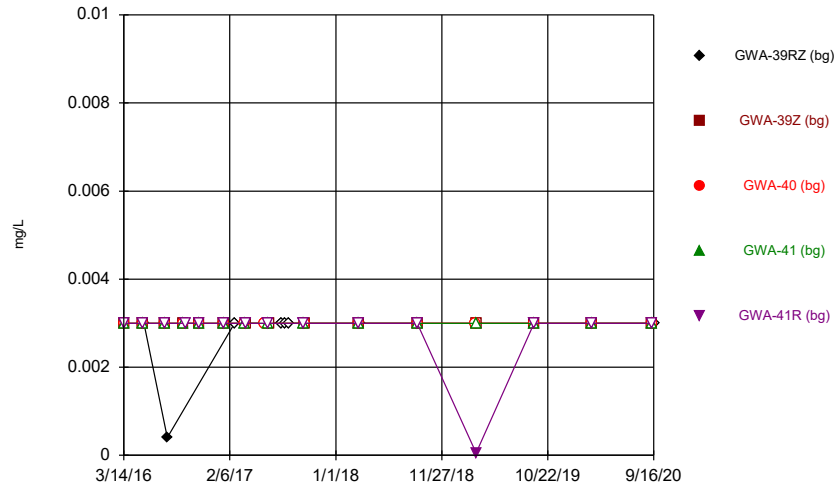
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Time Series



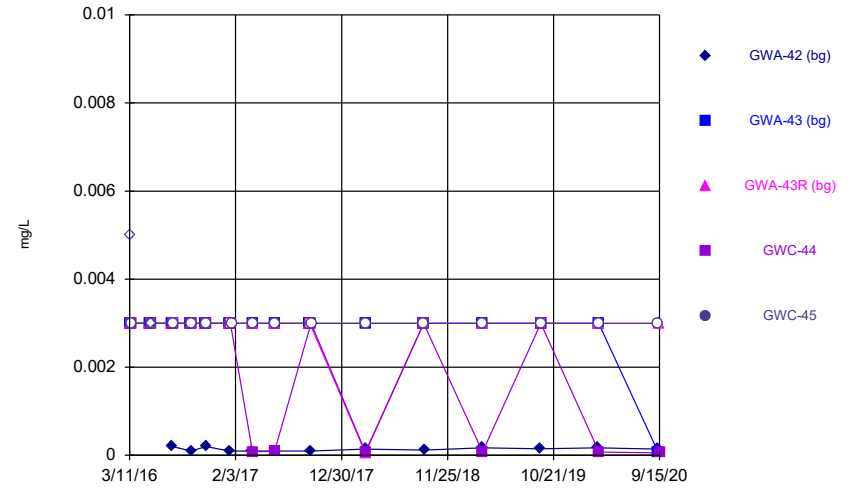
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Time Series



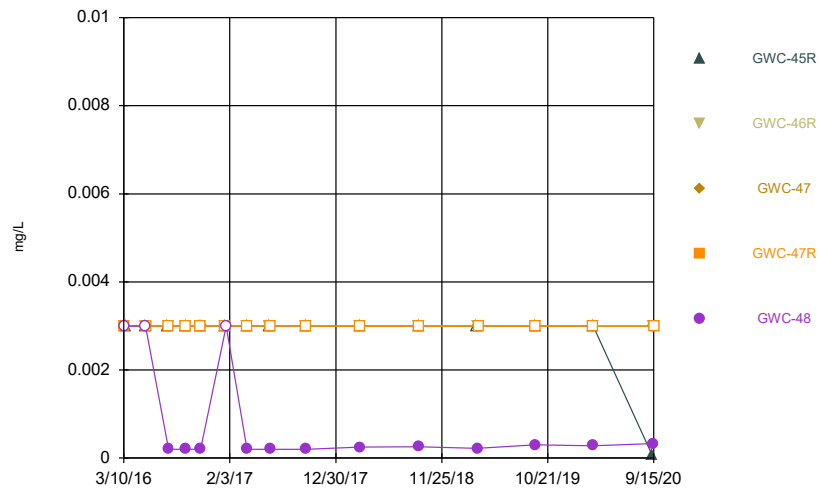
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



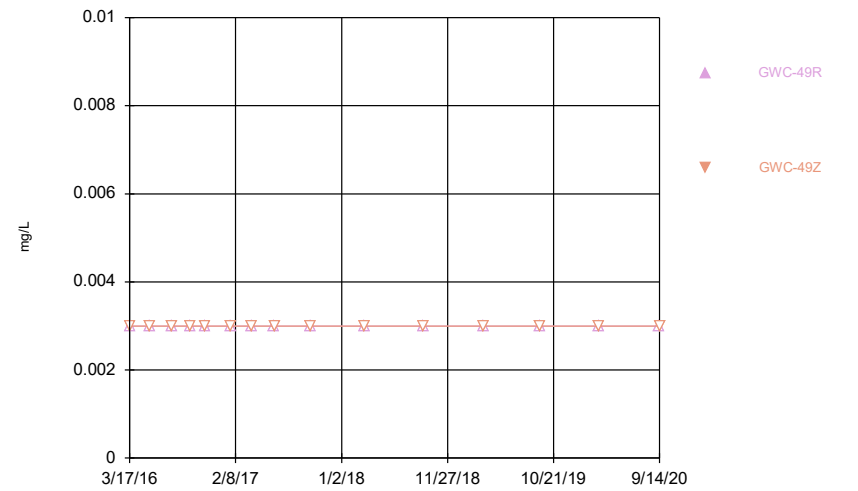
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



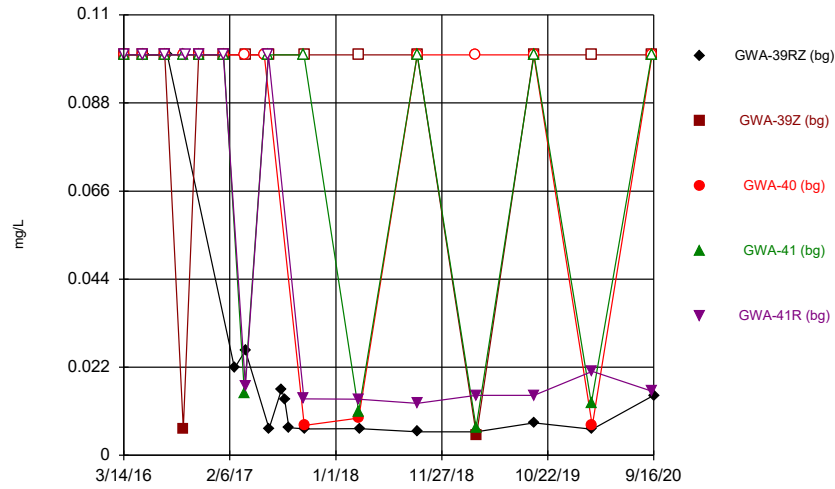
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



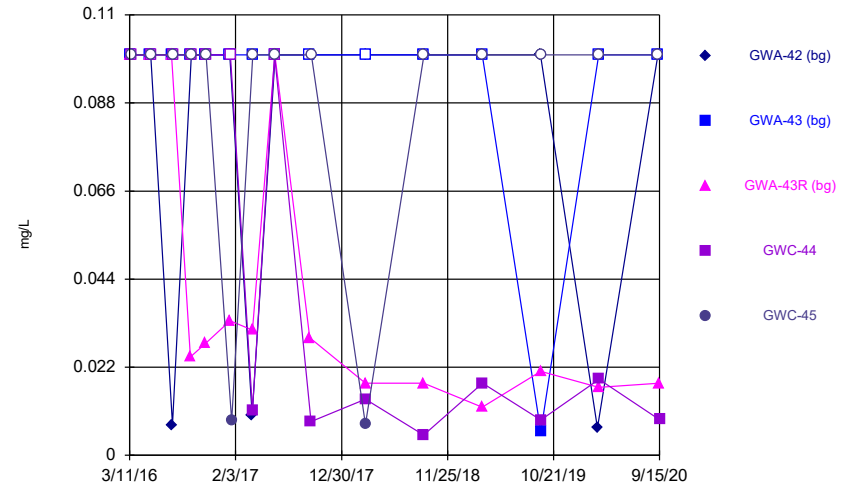
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



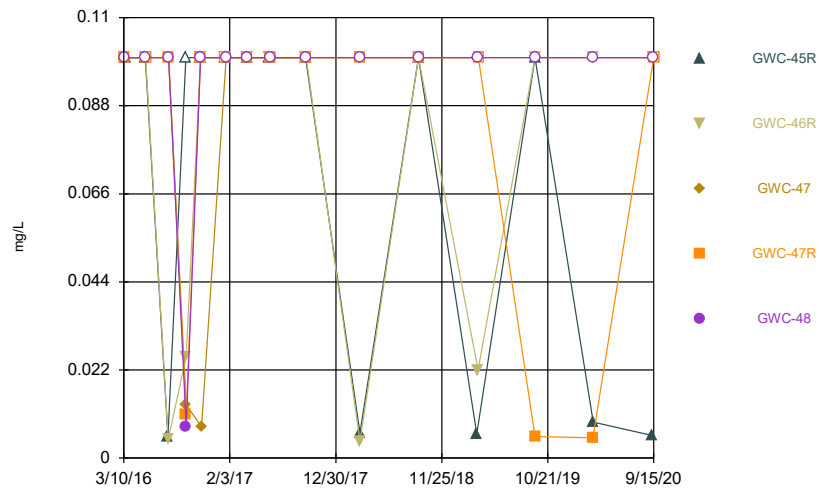
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



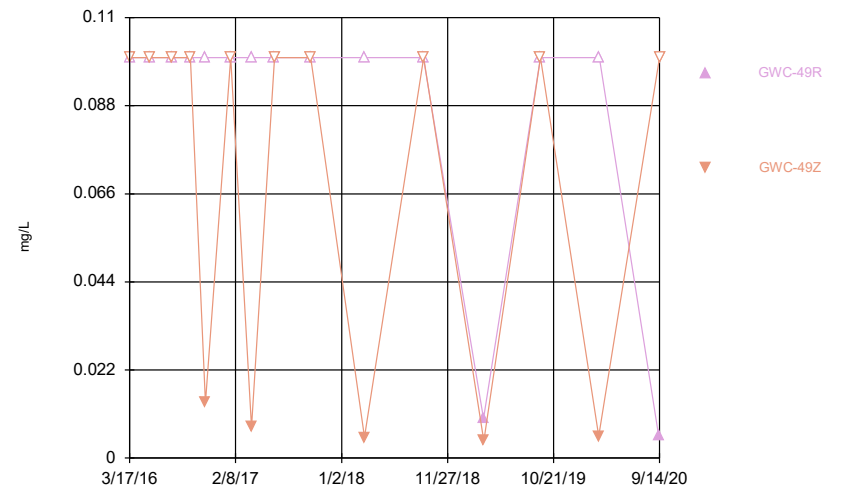
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



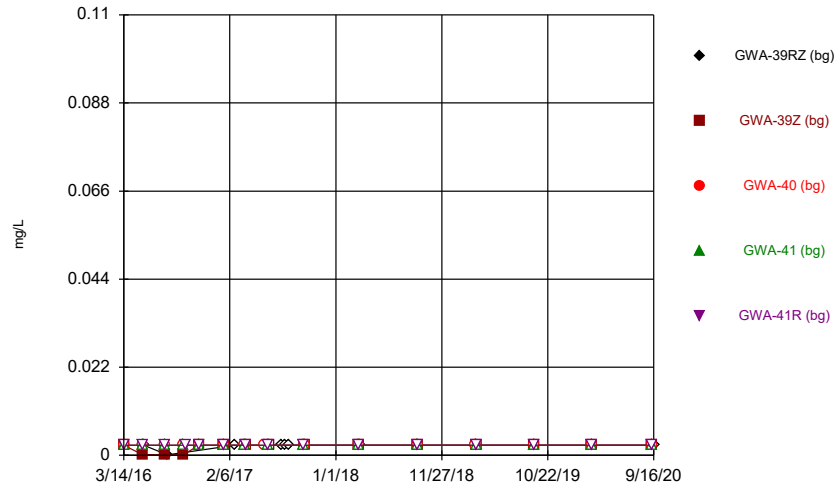
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



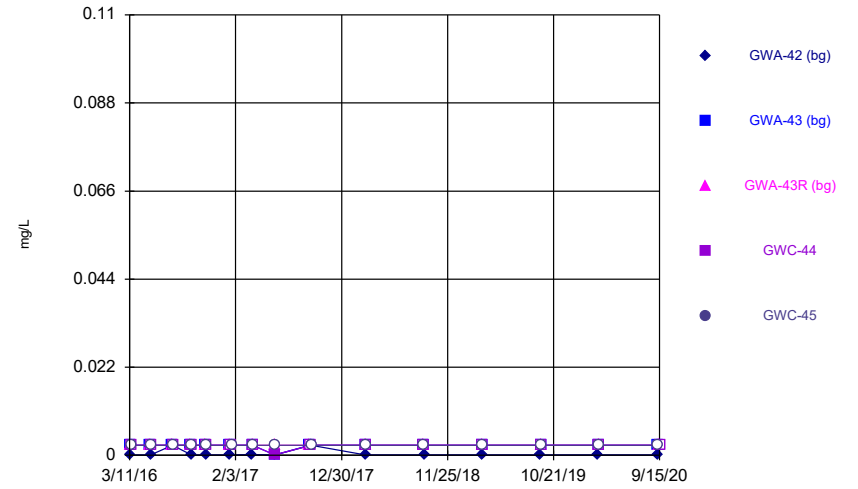
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



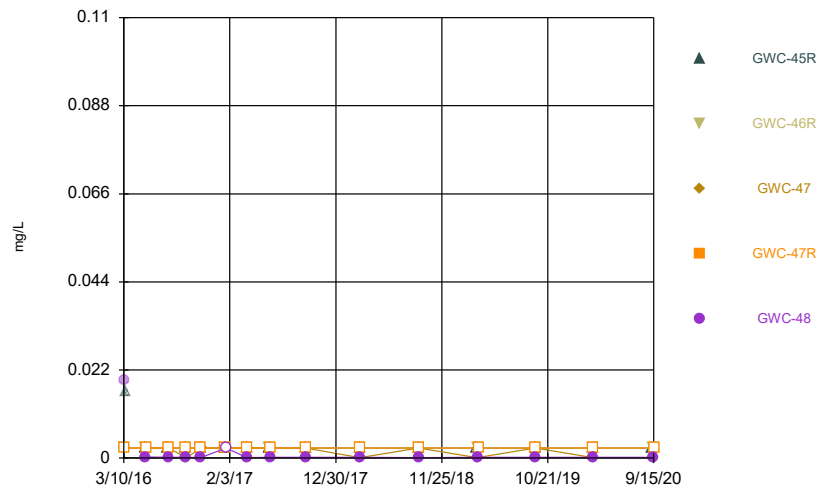
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



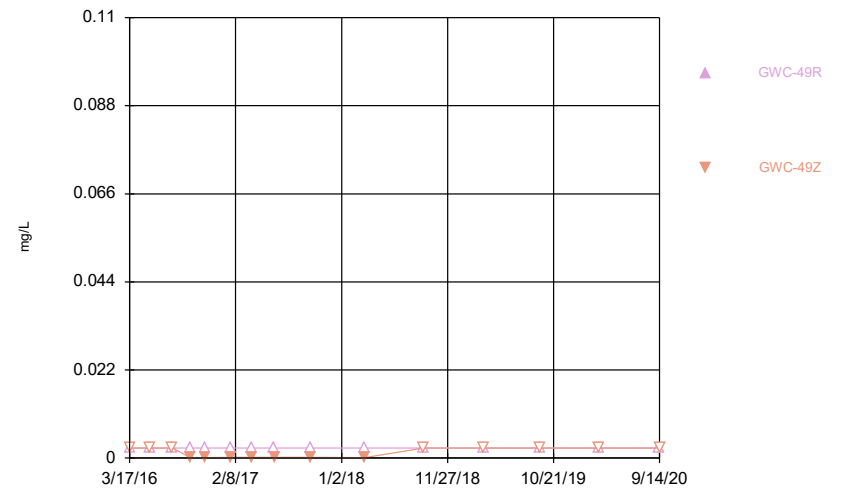
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



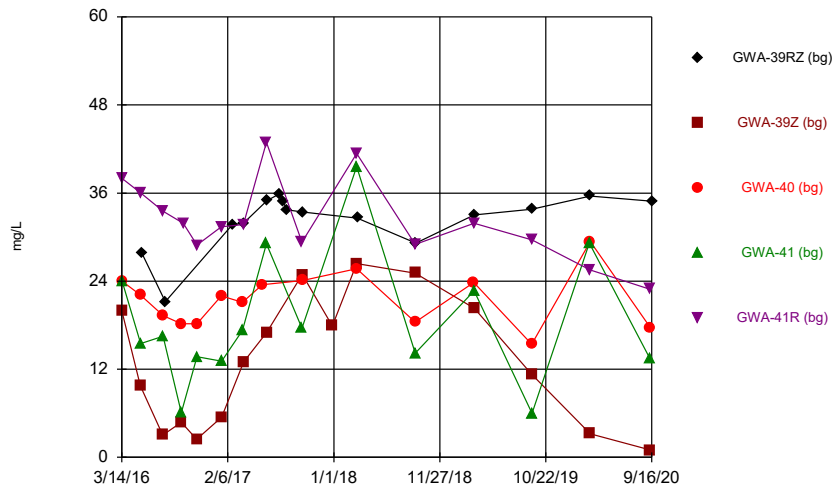
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Time Series



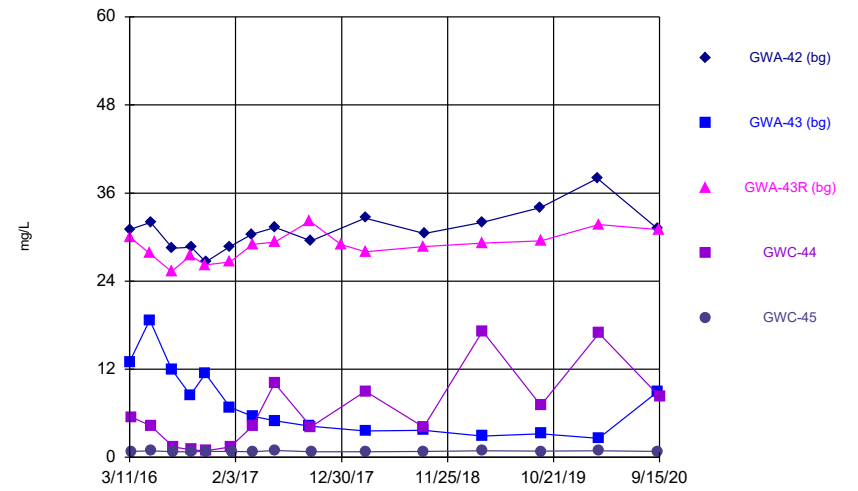
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



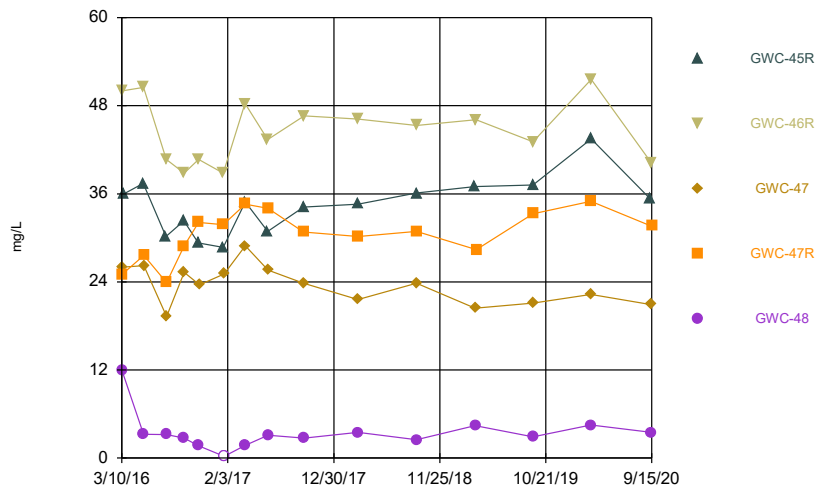
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



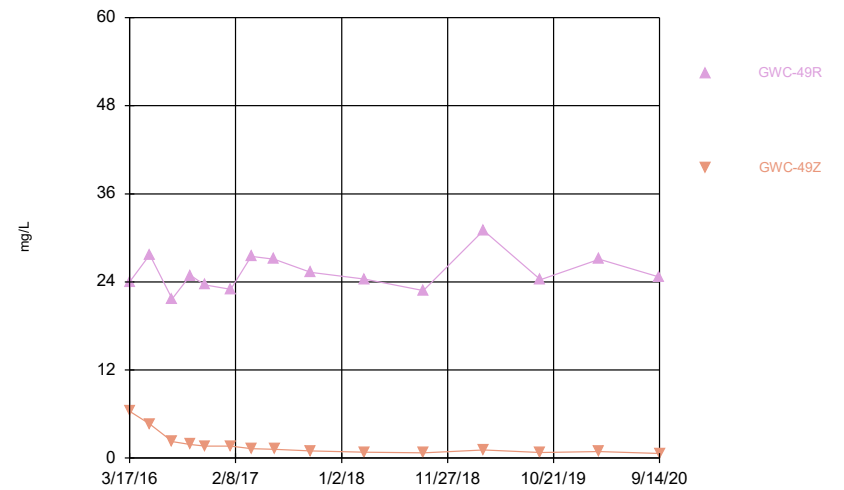
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



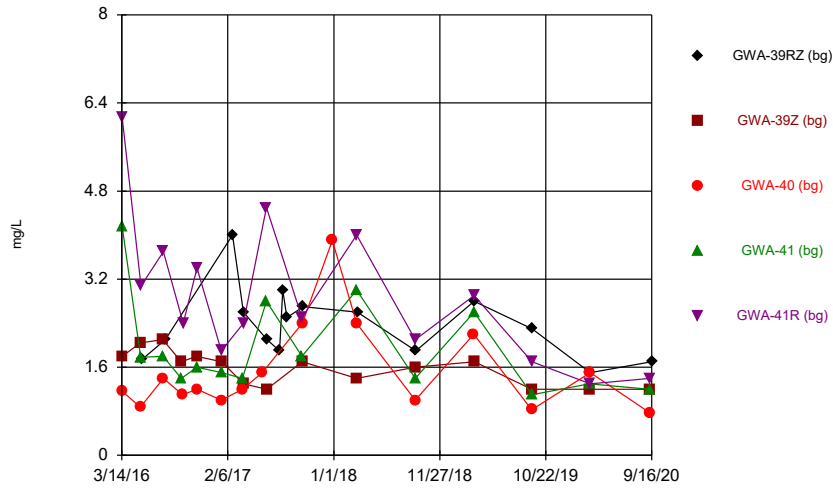
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Time Series



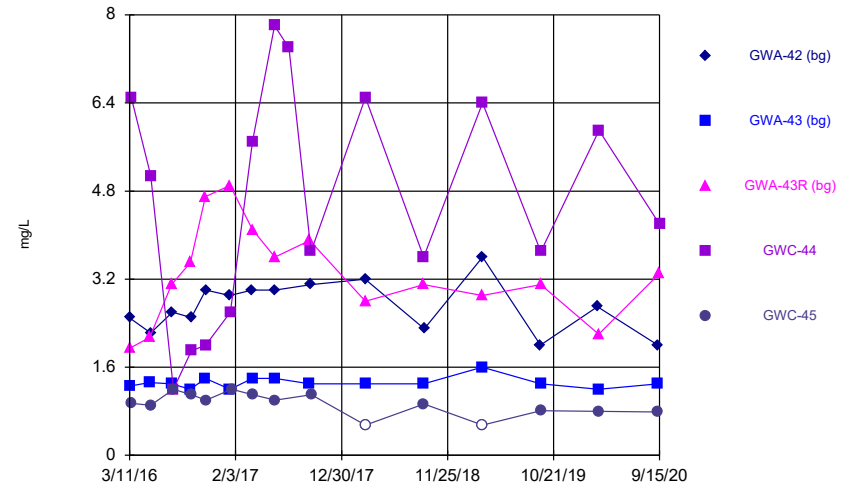
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



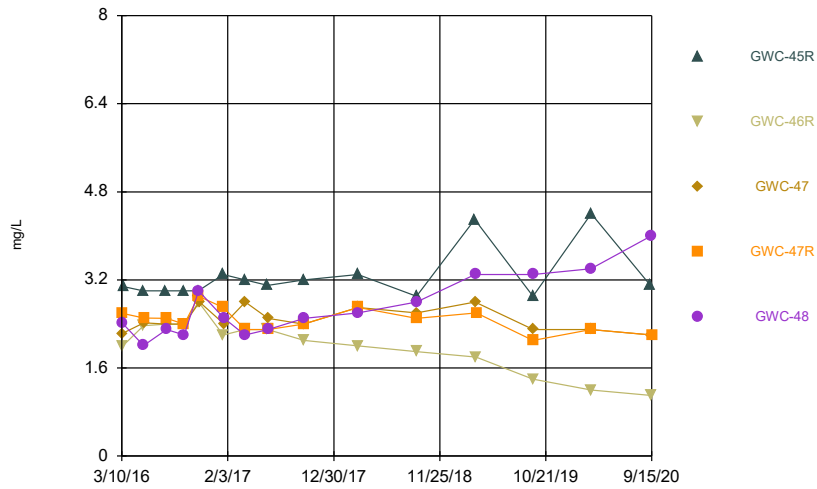
Constituent: Chloride Analysis Run 1/26/2021 3:29 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



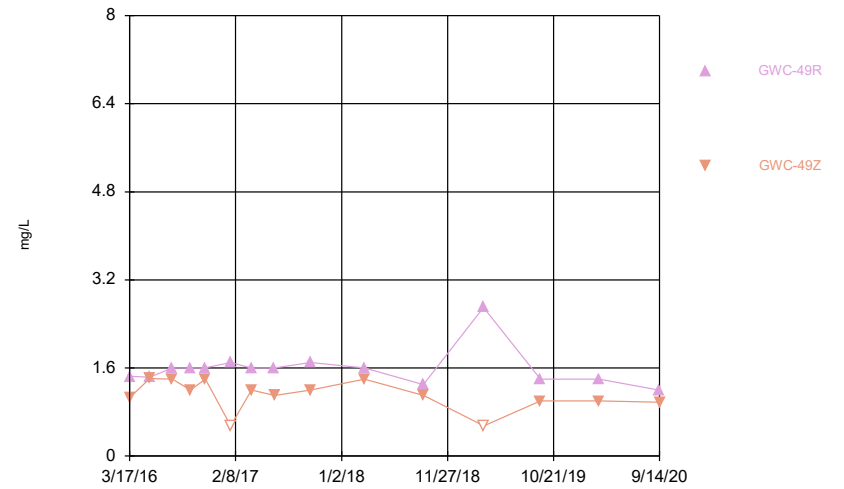
Constituent: Chloride Analysis Run 1/26/2021 3:29 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



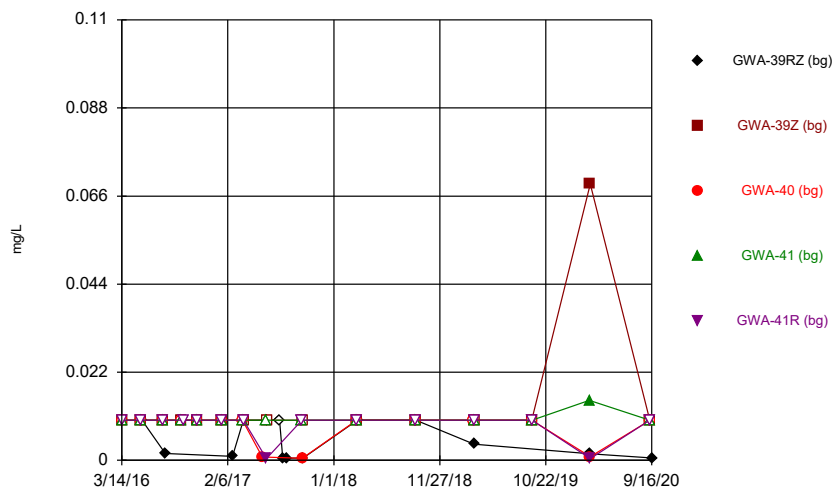
Constituent: Chloride Analysis Run 1/26/2021 3:29 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



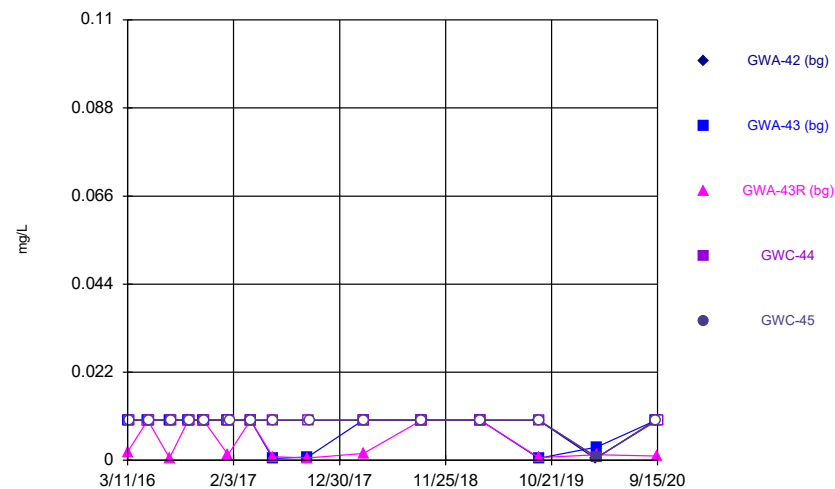
Constituent: Chloride Analysis Run 1/26/2021 3:29 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



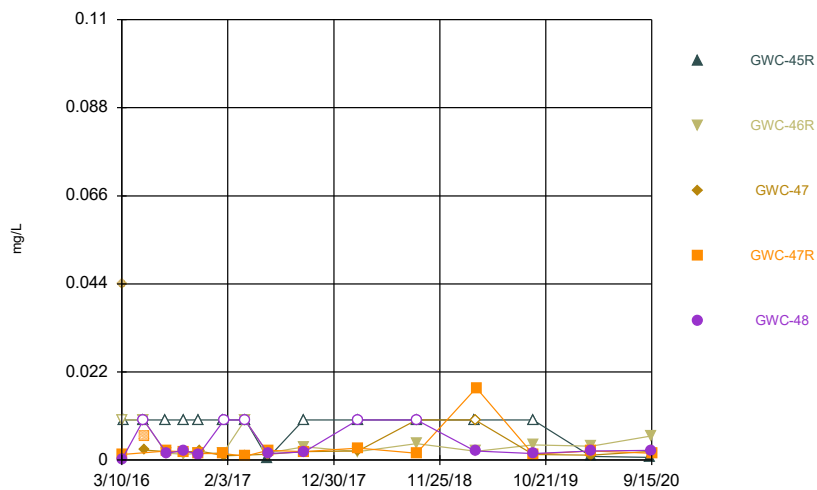
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



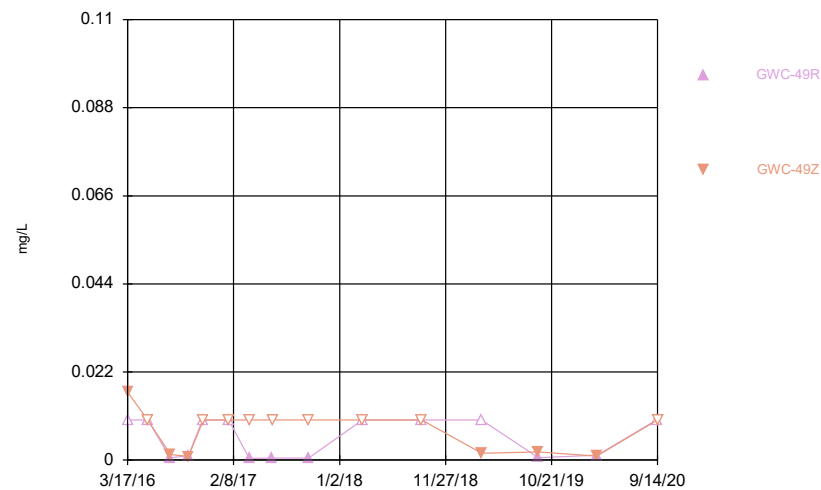
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



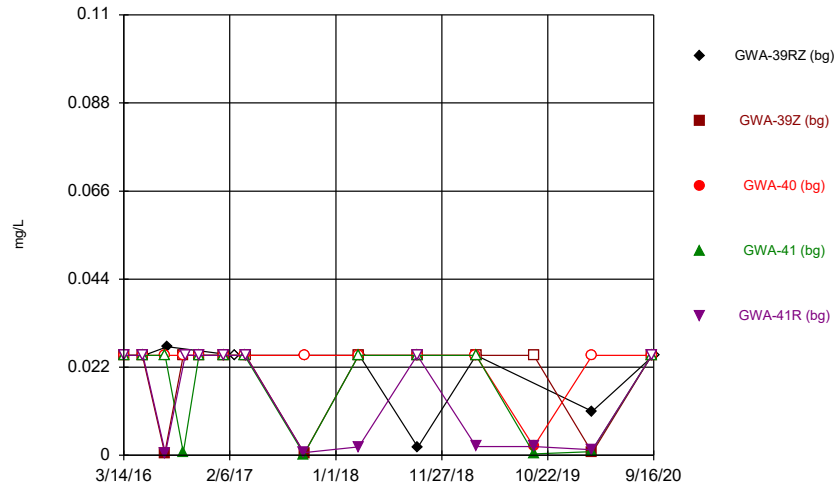
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



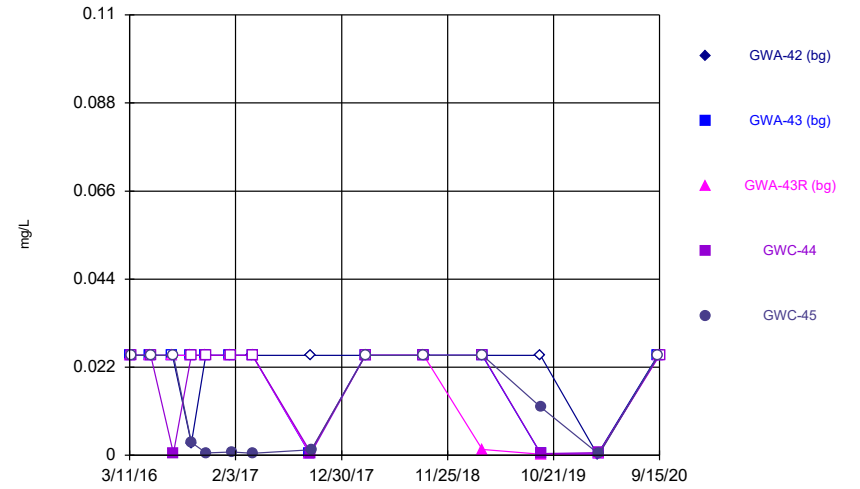
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



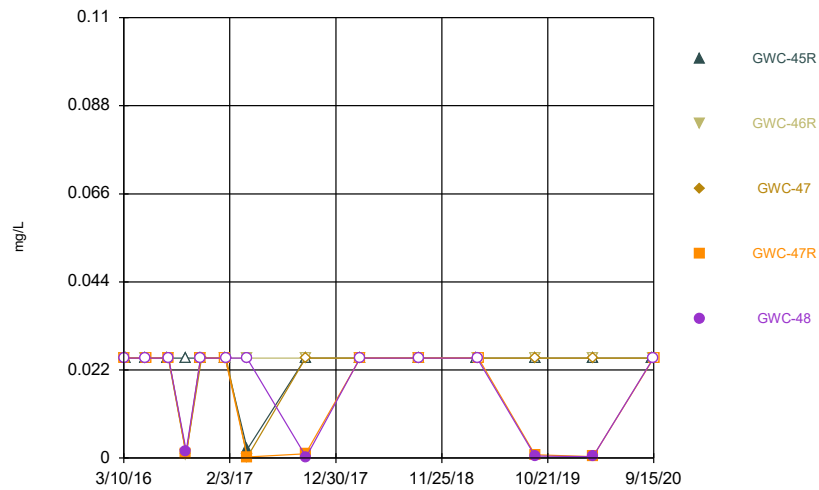
Constituent: Copper Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



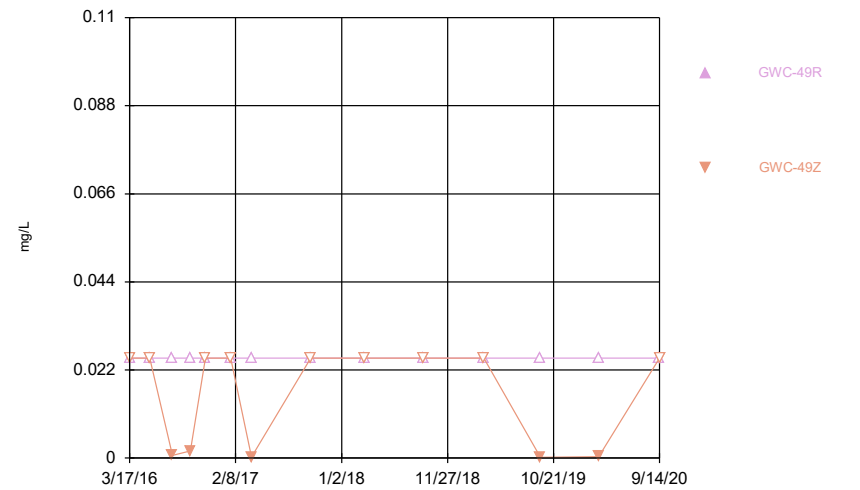
Constituent: Copper Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



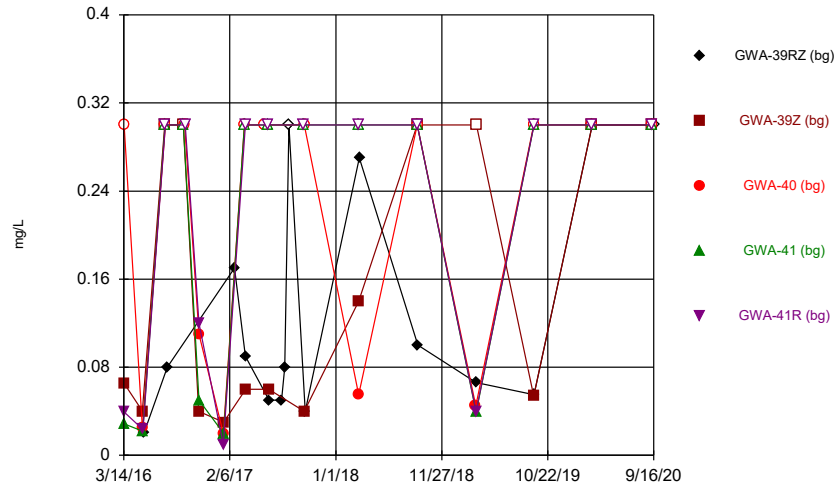
Constituent: Copper Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



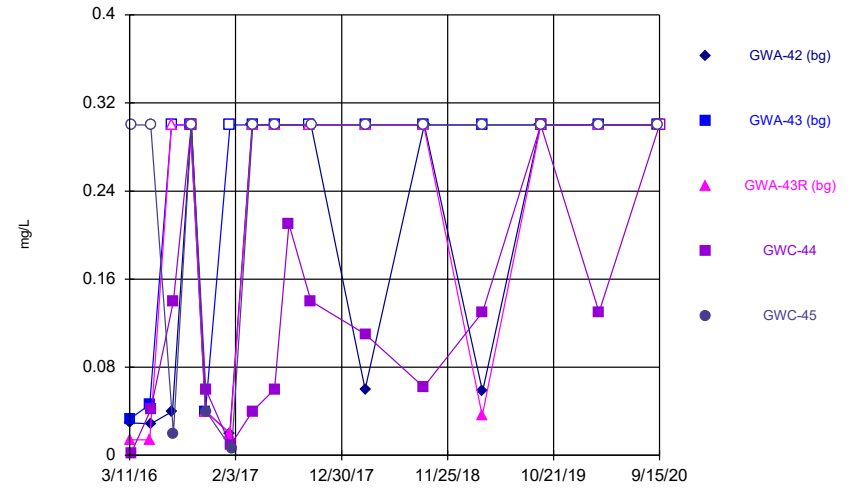
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



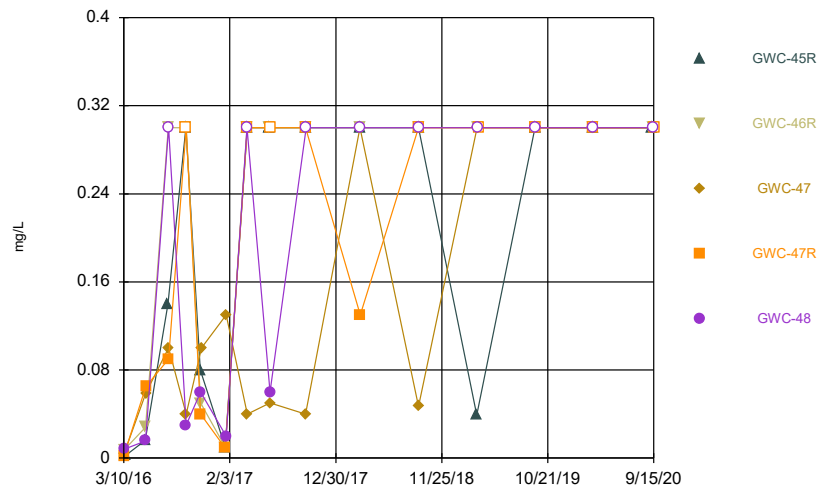
Constituent: Fluoride Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



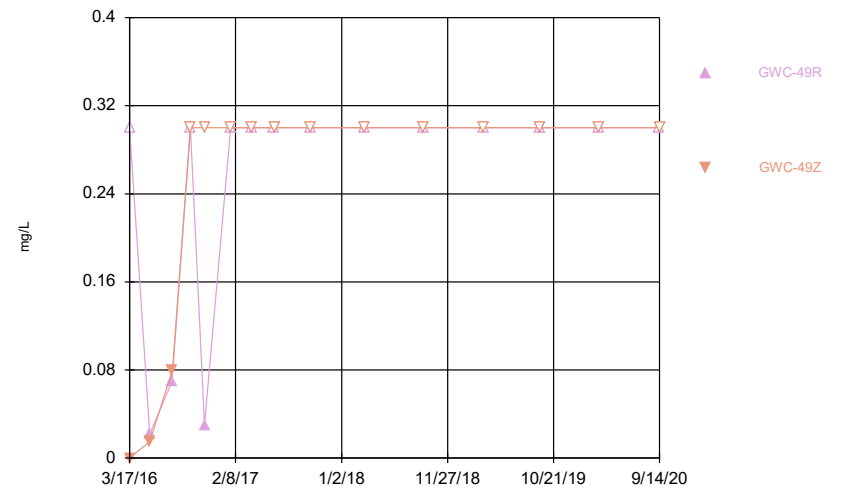
Constituent: Fluoride Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



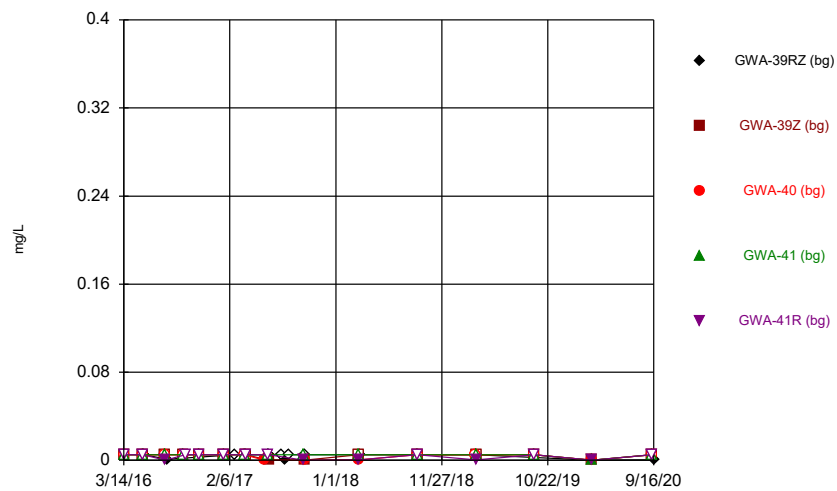
Constituent: Fluoride Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



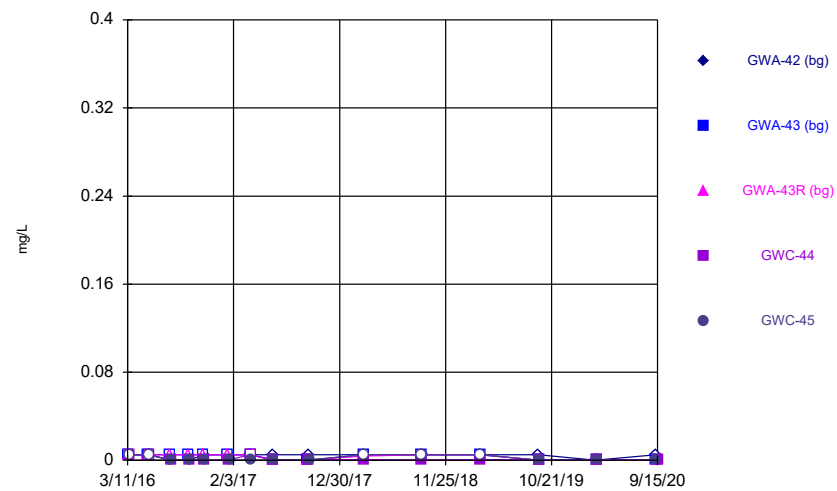
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



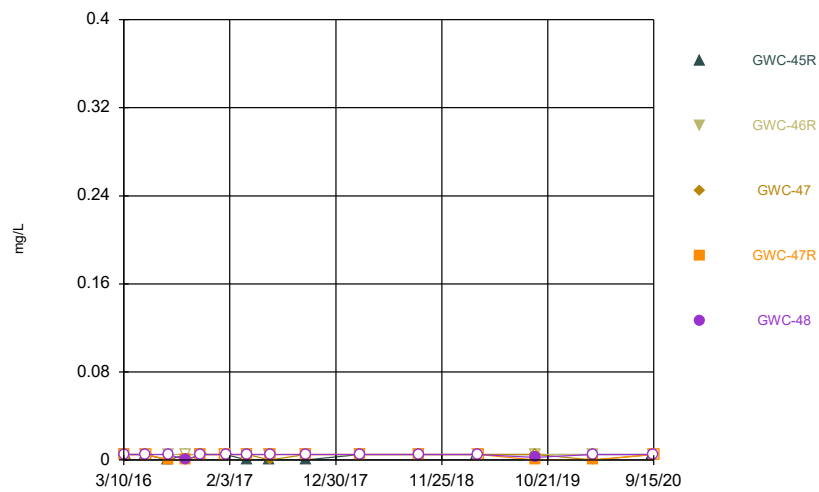
Constituent: Lead Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



Constituent: Lead Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



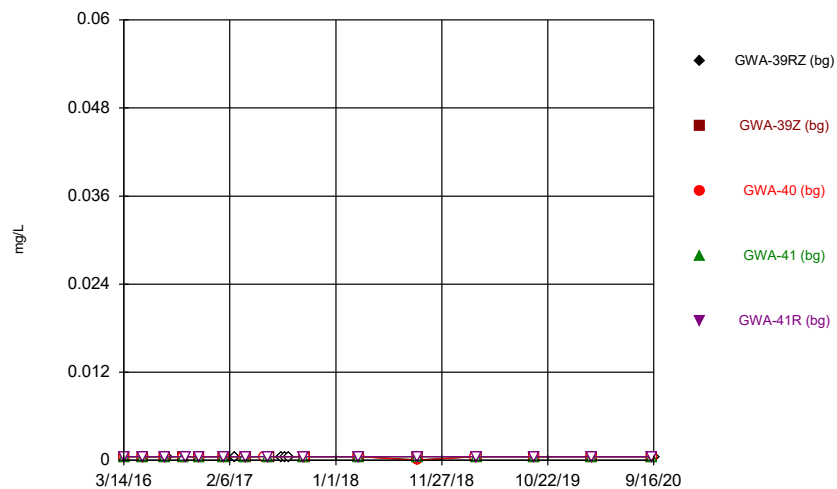
Constituent: Lead Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



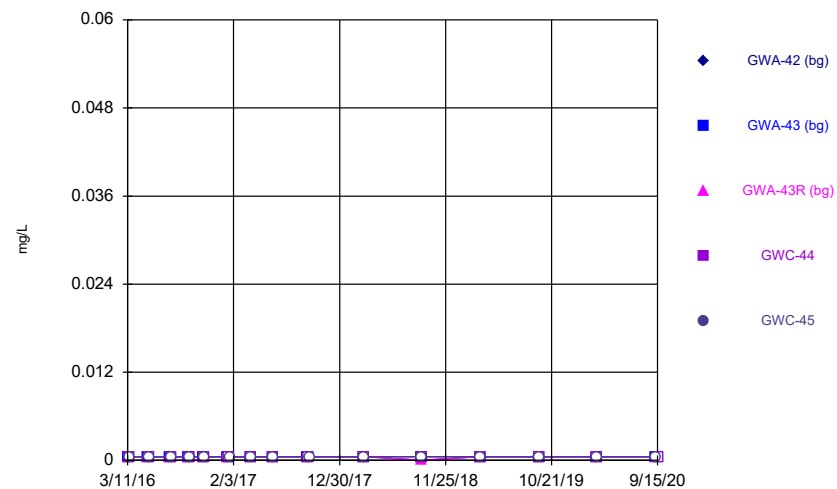
Constituent: Lead Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



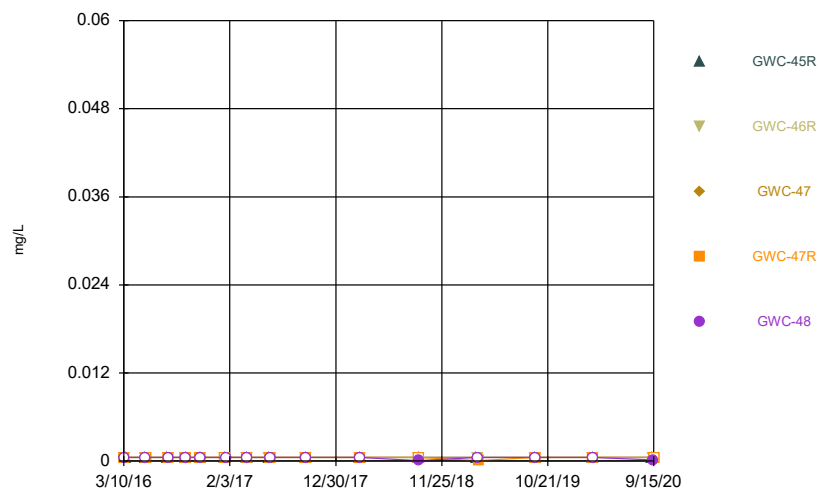
Constituent: Mercury Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



Constituent: Mercury Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



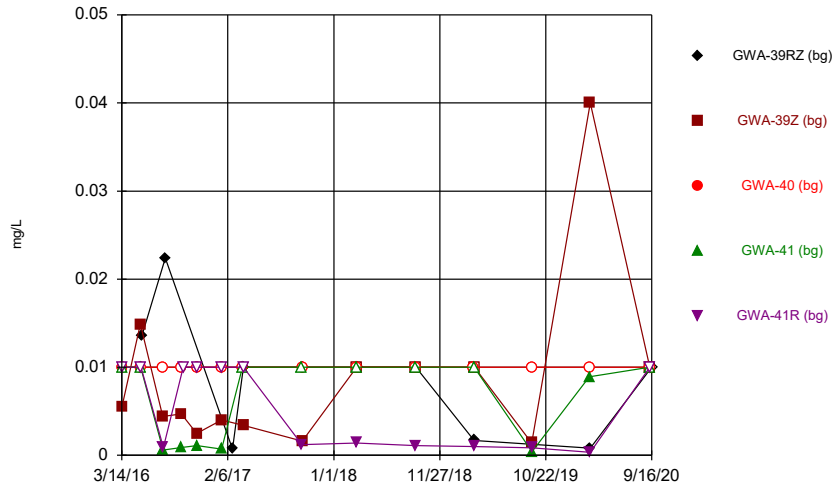
Constituent: Mercury Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



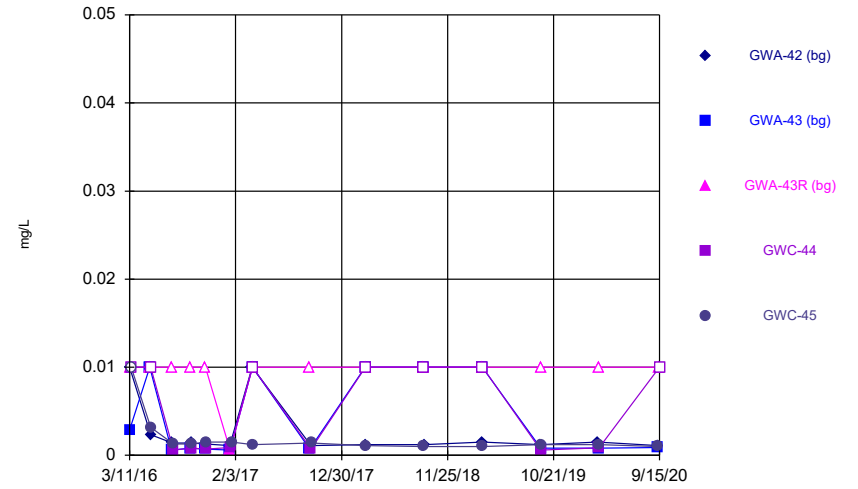
Constituent: Mercury Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



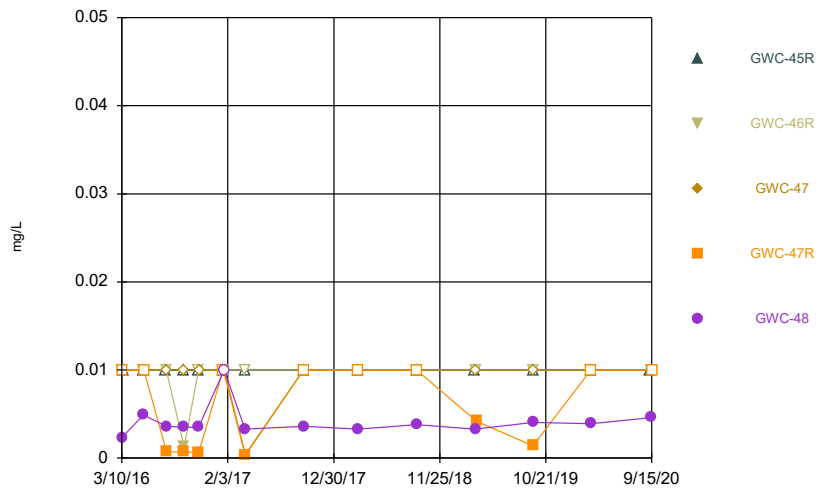
Constituent: Nickel Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



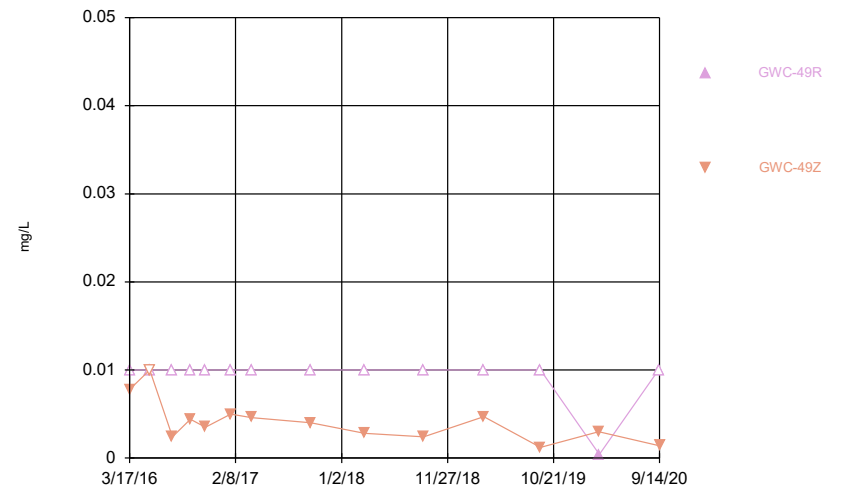
Constituent: Nickel Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



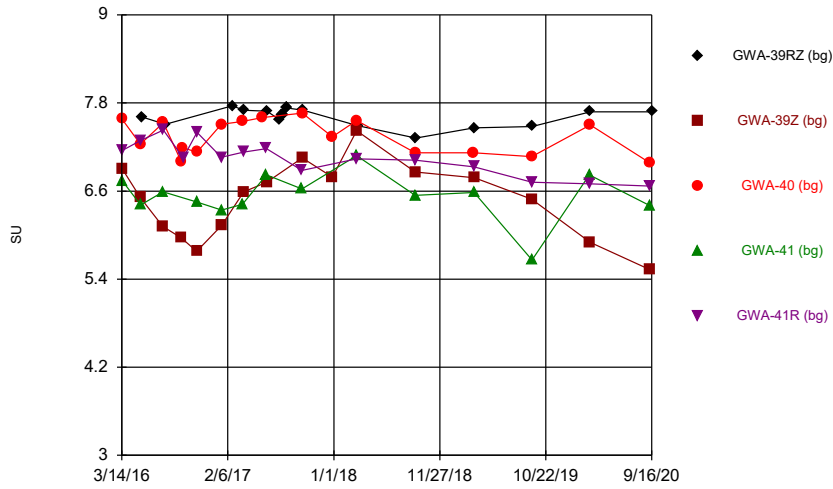
Constituent: Nickel Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



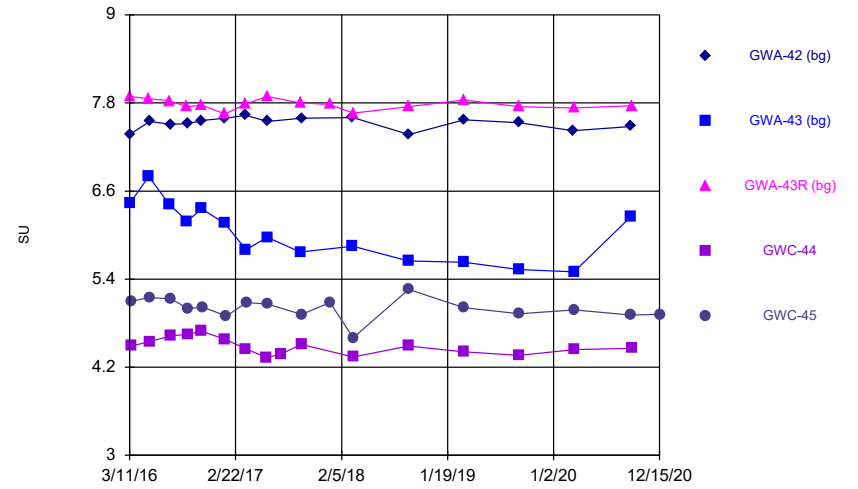
Constituent: Nickel Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



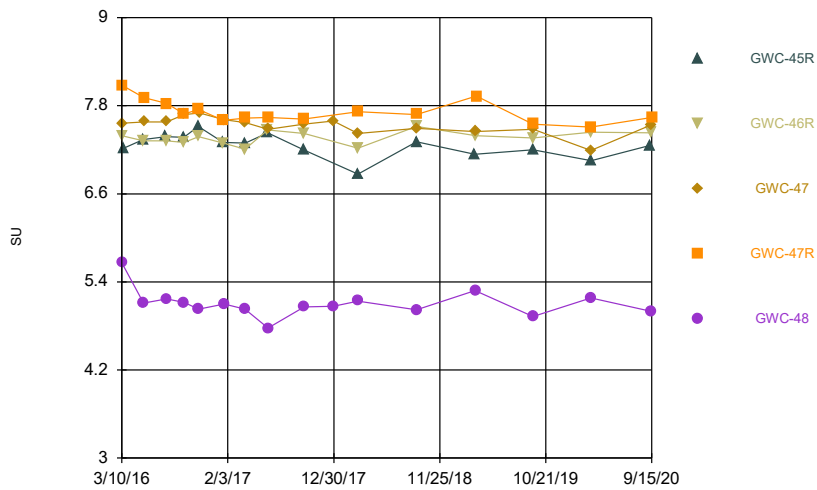
Constituent: pH Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



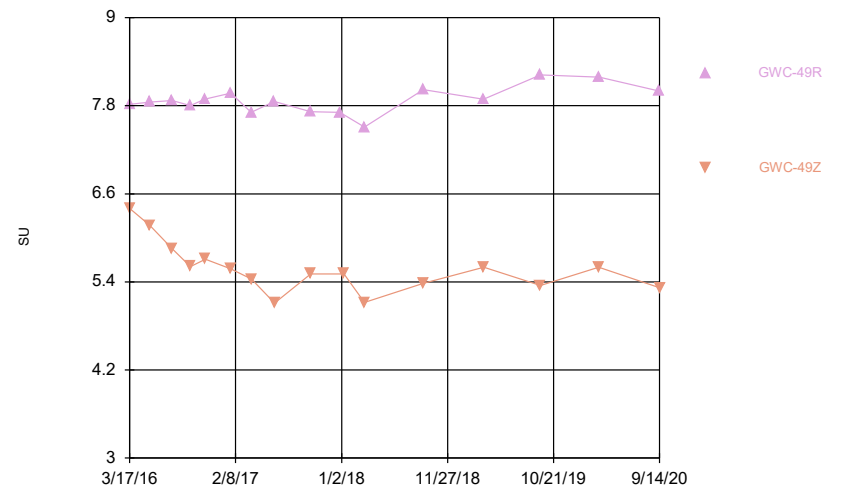
Constituent: pH Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



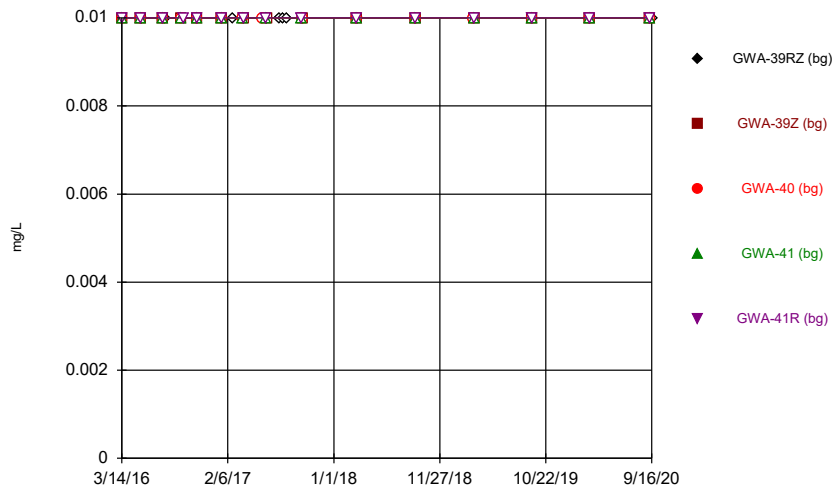
Constituent: pH Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



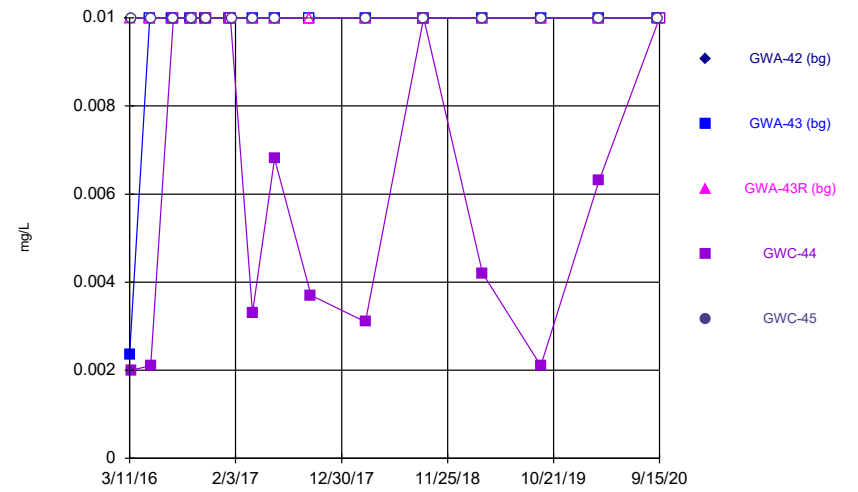
Constituent: pH Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



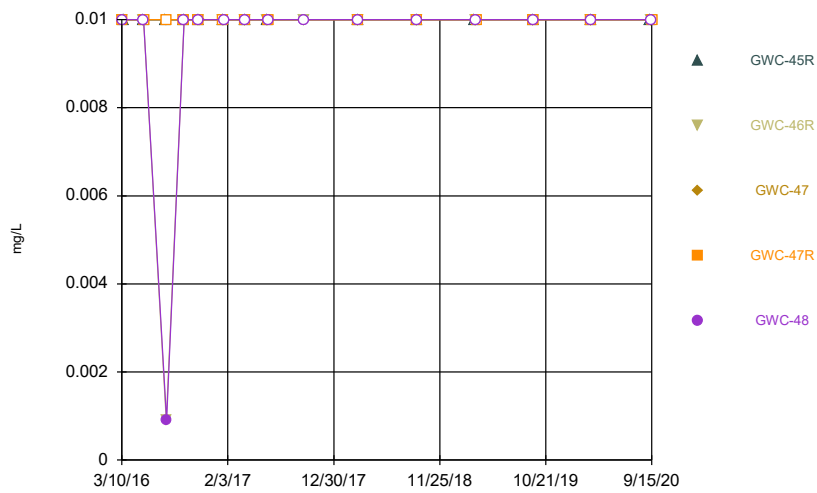
Constituent: Selenium Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



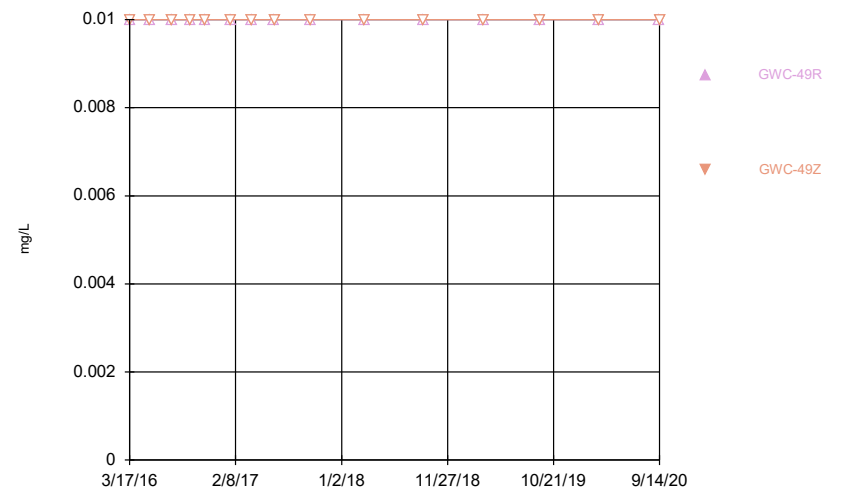
Constituent: Selenium Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



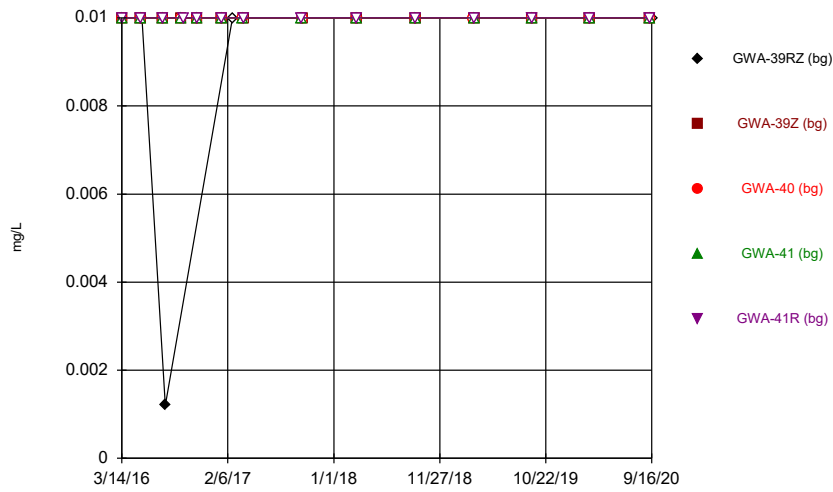
Constituent: Selenium Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



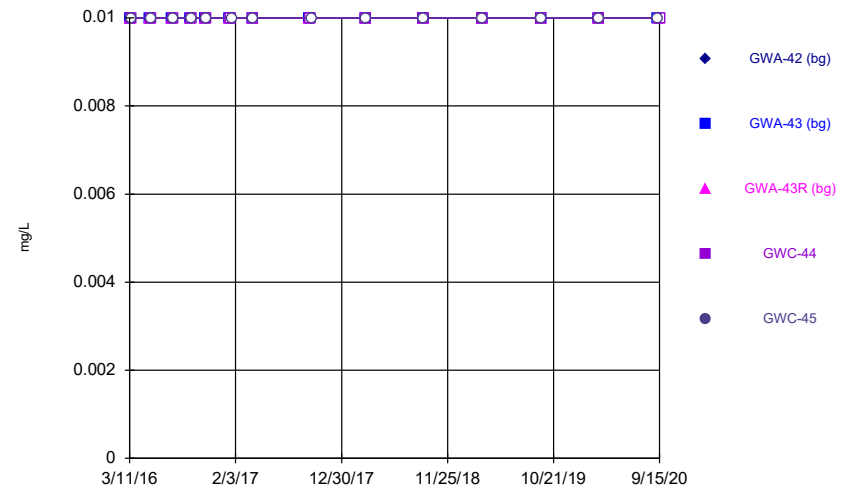
Constituent: Selenium Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



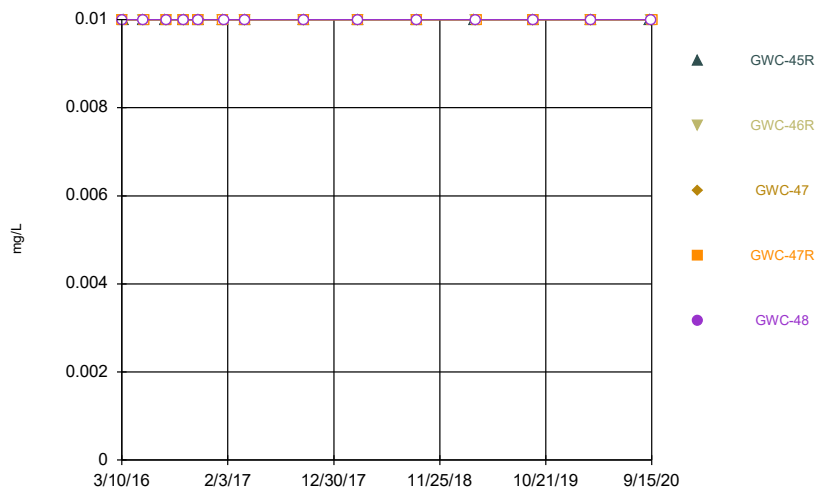
Constituent: Silver Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



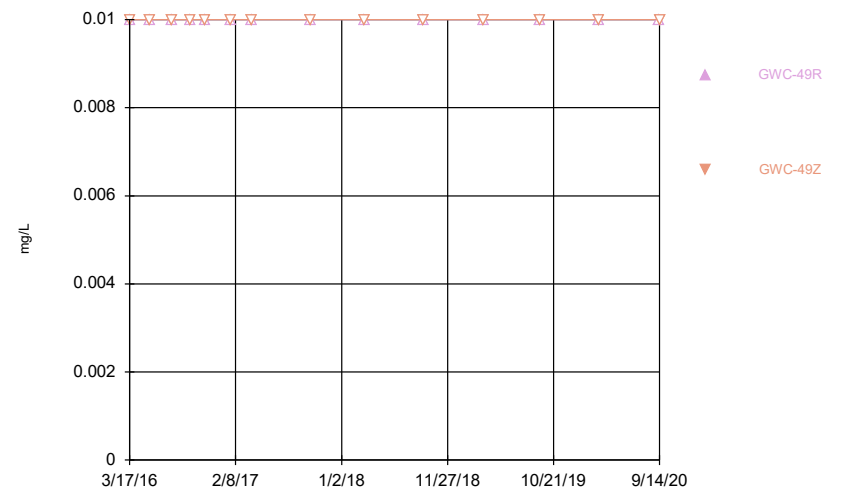
Constituent: Silver Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



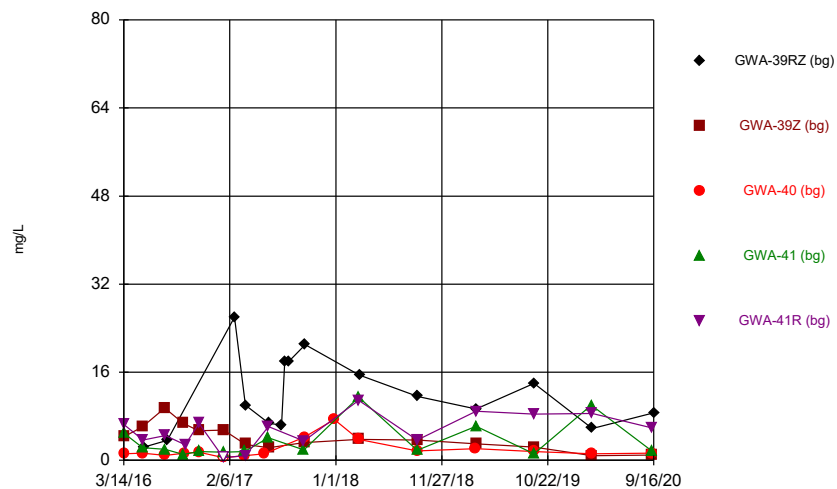
Constituent: Silver Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



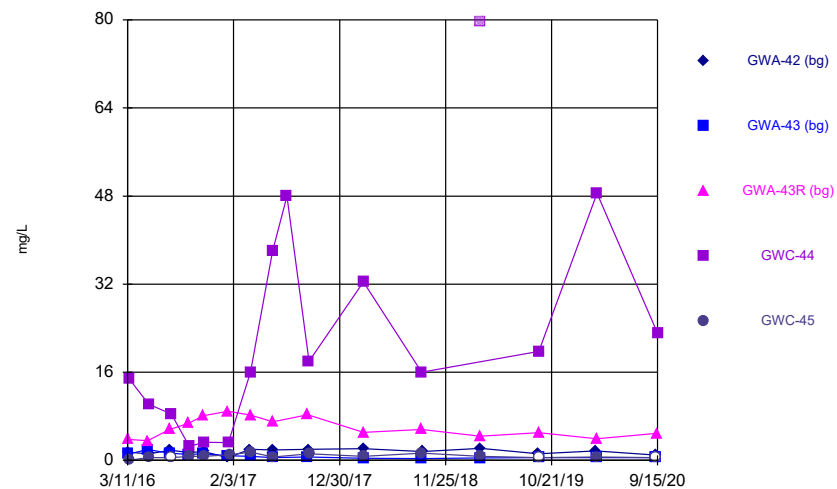
Constituent: Silver Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



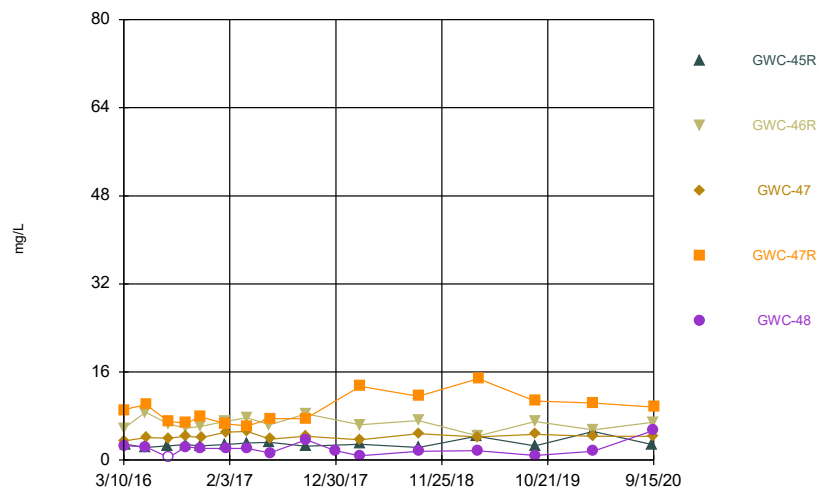
Constituent: Sulfate Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



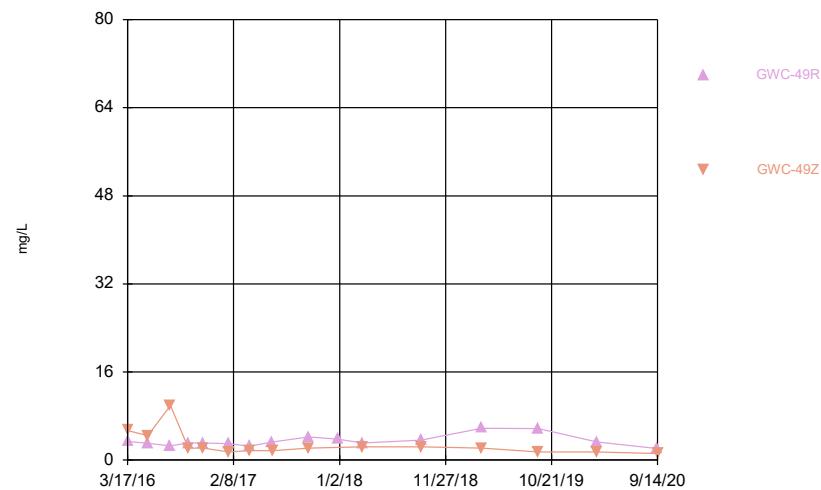
Constituent: Sulfate Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



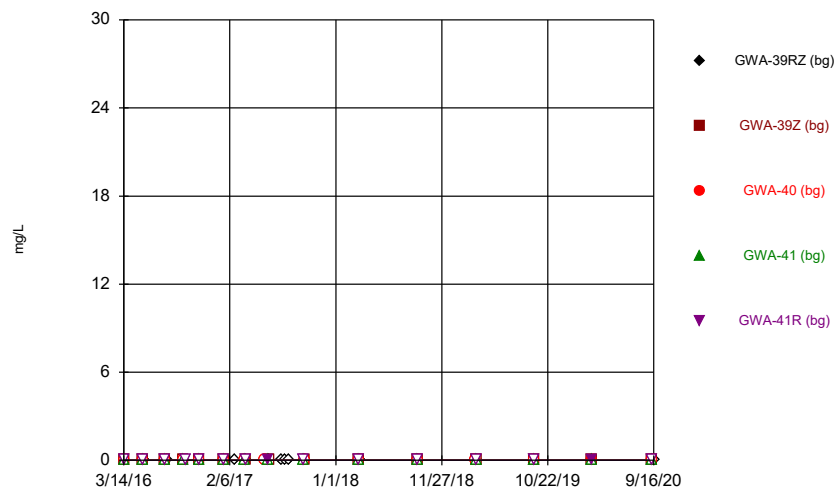
Constituent: Sulfate Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



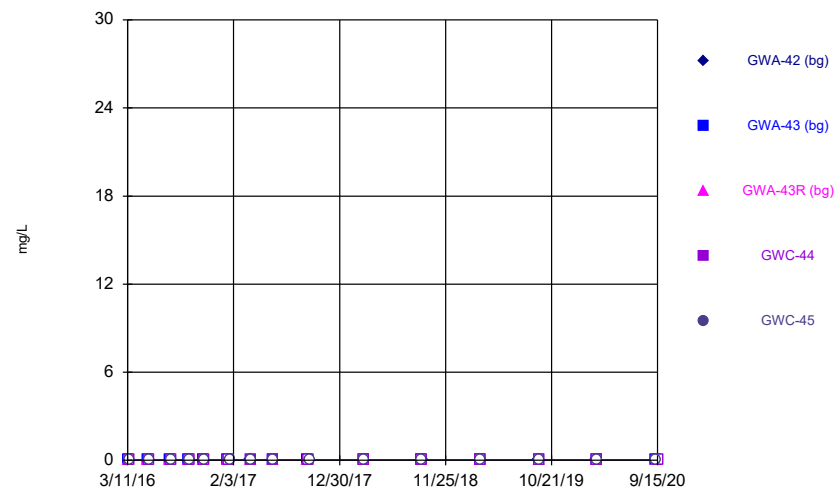
Constituent: Sulfate Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



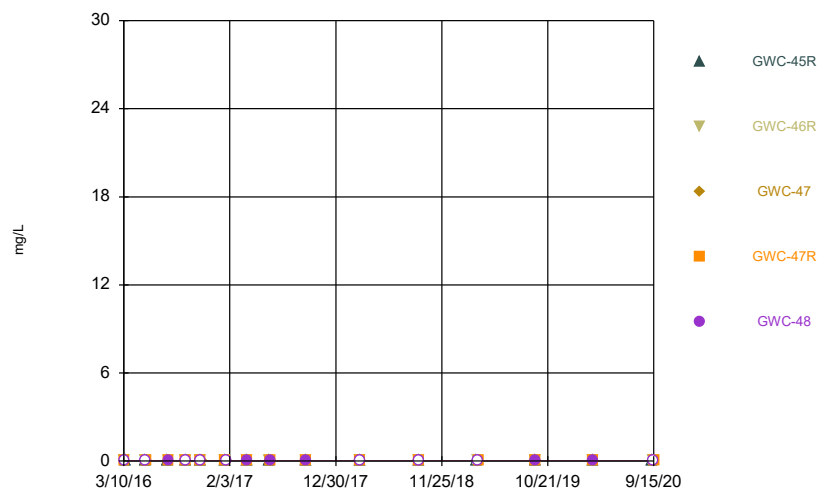
Constituent: Thallium Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



Constituent: Thallium Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



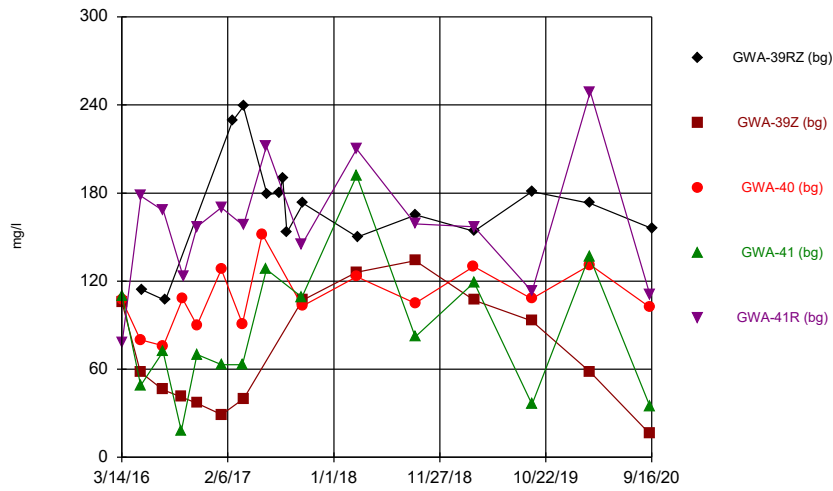
Constituent: Thallium Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



Constituent: Thallium Analysis Run 1/26/2021 3:29 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

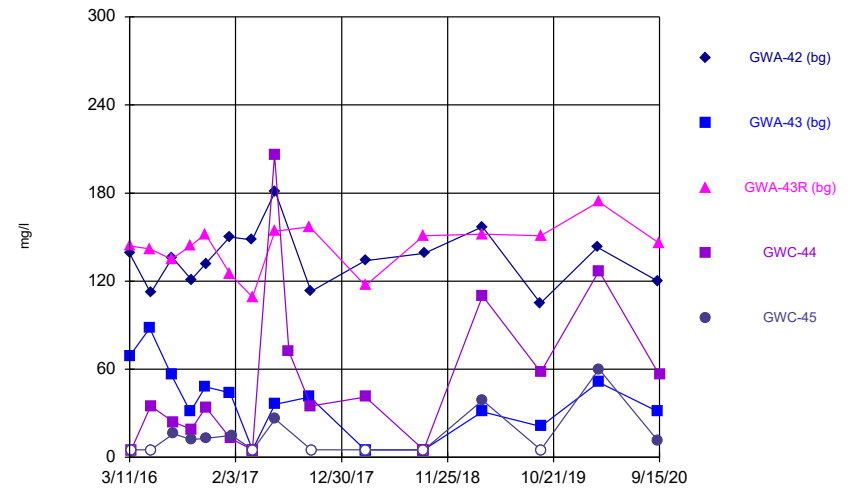
Time Series



Constituent: Total Dissolved Solids Analysis Run 1/26/2021 3:29 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Hollow symbols indicate censored values.

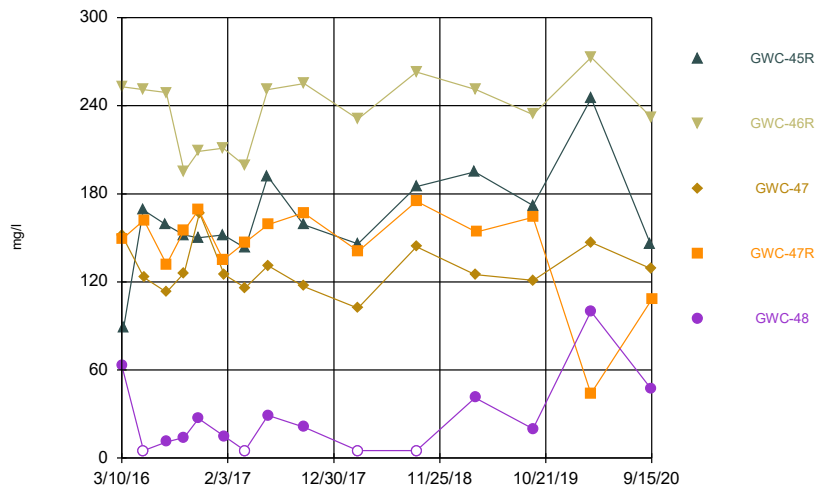
Time Series



Constituent: Total Dissolved Solids Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Hollow symbols indicate censored values.

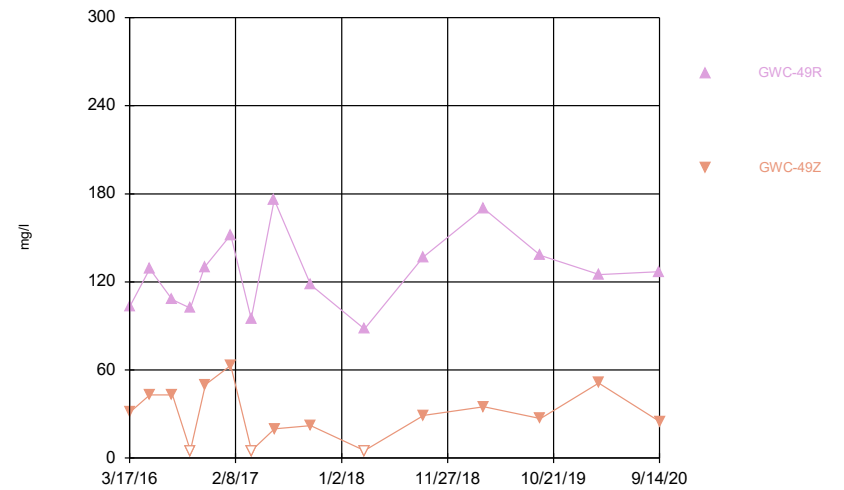
Time Series



Constituent: Total Dissolved Solids Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

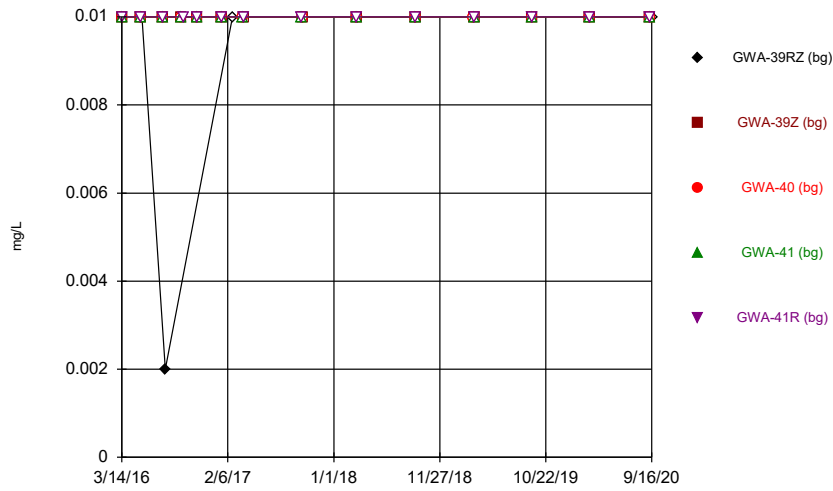
Hollow symbols indicate censored values.

Time Series



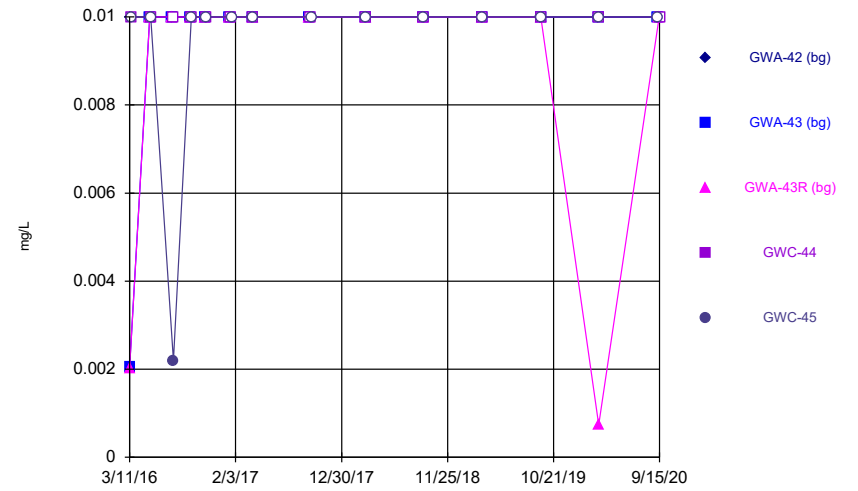
Constituent: Total Dissolved Solids Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



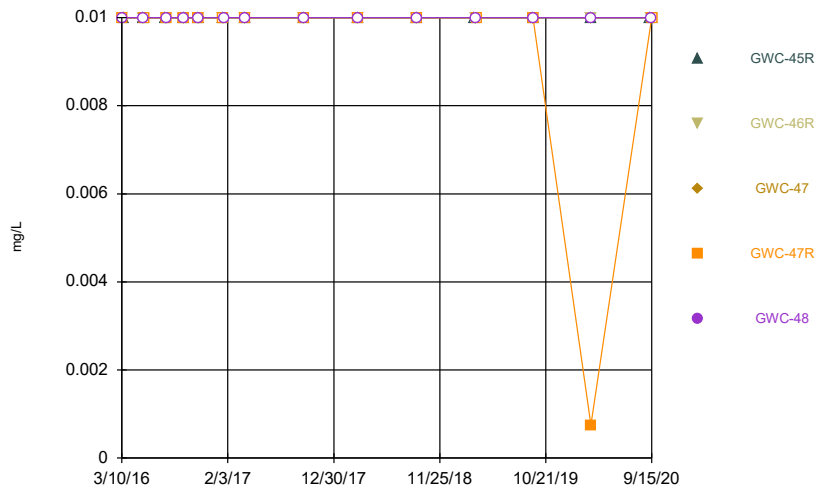
Constituent: Vanadium Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



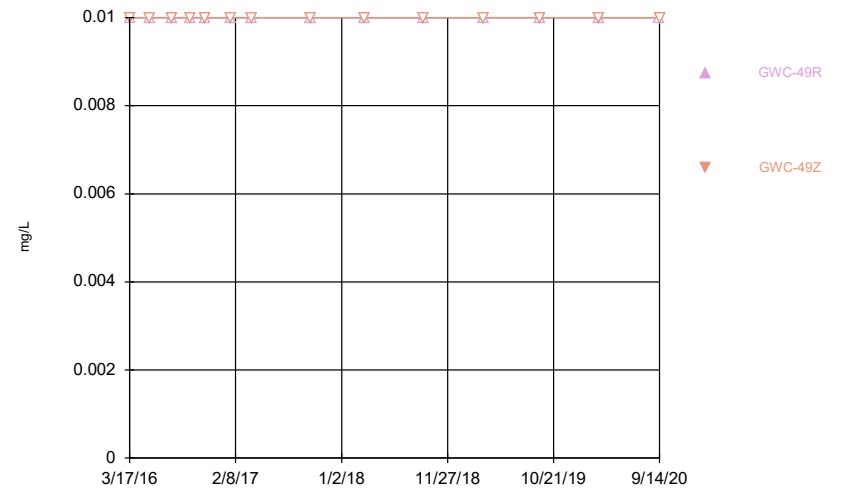
Constituent: Vanadium Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



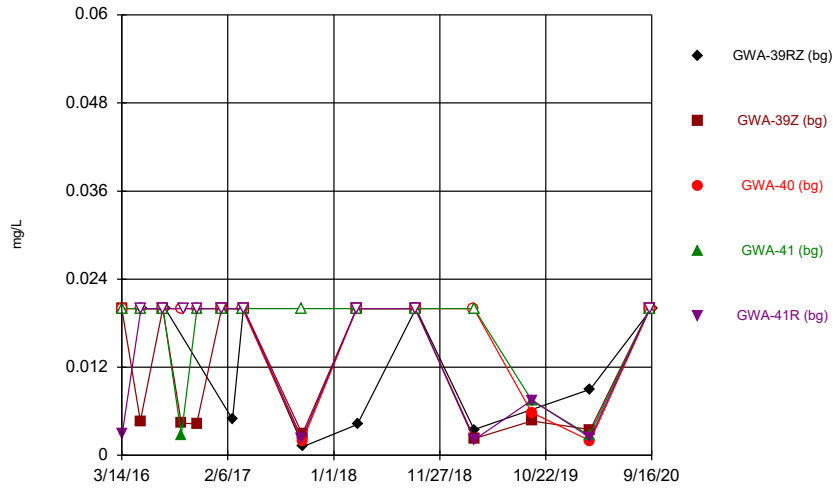
Constituent: Vanadium Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



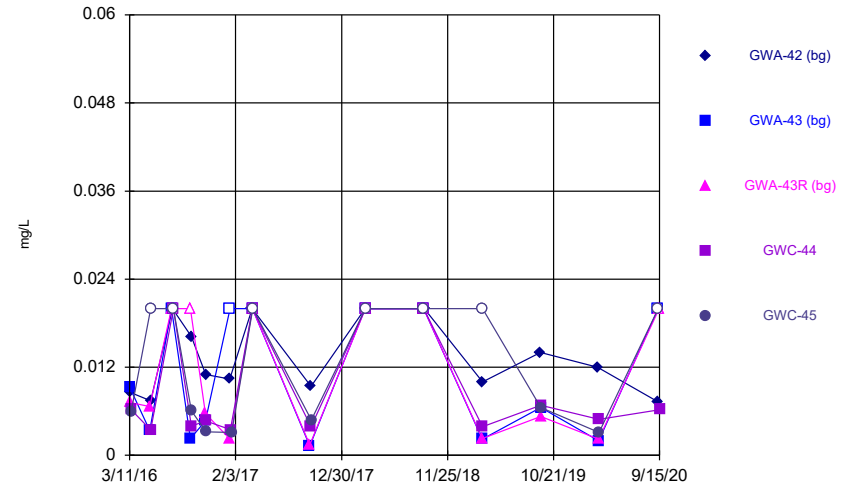
Constituent: Vanadium Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



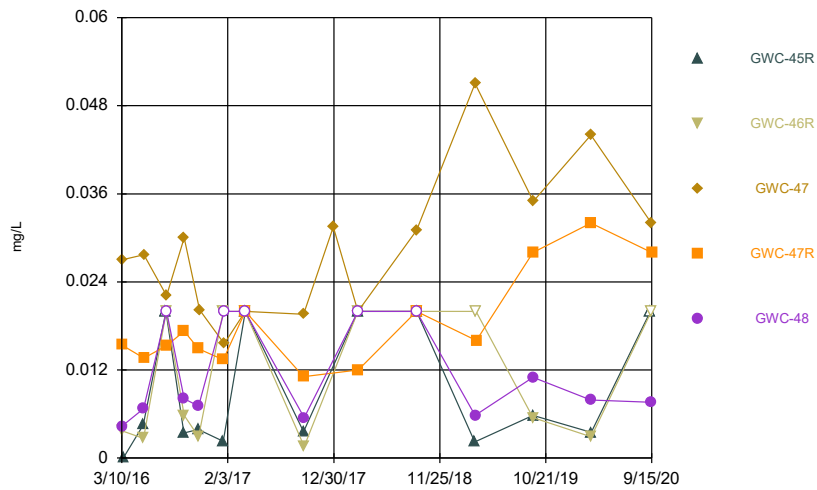
Constituent: Zinc Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



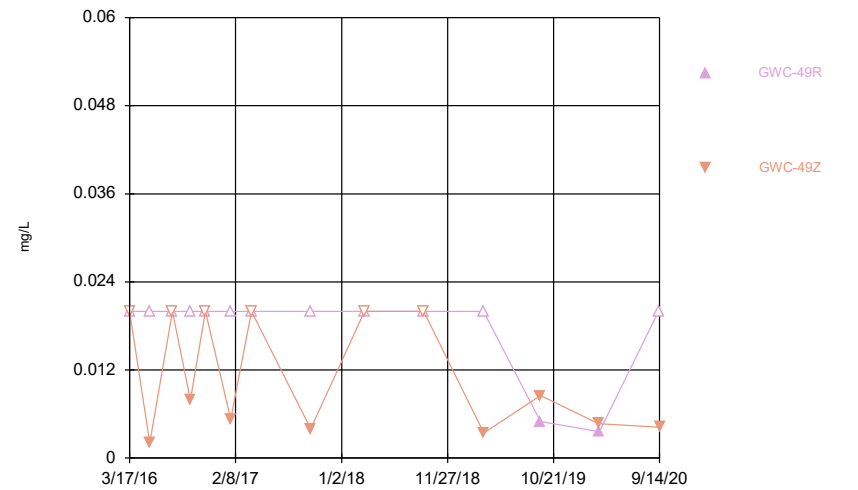
Constituent: Zinc Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



Constituent: Zinc Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series



Constituent: Zinc Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		0.003			
3/15/2016			<0.003	<0.003	<0.003
5/11/2016		0.000839 (J)	<0.003		
5/12/2016				<0.003	
5/13/2016					<0.003
5/16/2016	<0.003 (D)				
7/19/2016		0.0024 (J)			
7/20/2016				<0.003	
7/21/2016			<0.003		<0.003 (*)
7/27/2016	0.0003 (JD)				
9/15/2016		0.0009 (J)	<0.003	<0.003	
9/21/2016					<0.003
11/2/2016		0.001 (J)			
11/3/2016			0.0021 (J)	<0.003	<0.003
1/17/2017			<0.003		<0.003
1/18/2017		0.0017 (J)		<0.003	
2/21/2017	0.0057				
3/24/2017			<0.003	<0.003	
3/27/2017	0.0013 (JD)				0.0008 (J)
3/28/2017		0.0006 (J)			
5/24/2017			<0.003		
6/6/2017				<0.003	<0.003
6/7/2017		0.0003 (J)			
6/8/2017	<0.003 (*)				
7/17/2017	0.005 (D)				
7/27/2017	0.0033				
8/9/2017	0.0012 (J)				
9/25/2017				<0.003	0.0035
9/26/2017		<0.003	<0.003		
9/29/2017	0.0013 (JD)				
3/14/2018		<0.003	<0.003	<0.003	<0.003
3/16/2018	0.0078				
9/12/2018		<0.003	<0.003	<0.003	0.003
9/14/2018	0.0056				
3/13/2019			<0.003		
3/14/2019	0.014			<0.003	<0.003
3/15/2019		<0.003			
9/9/2019		0.00079 (J)	<0.003		
9/10/2019				<0.003 (D)	0.0029 (J)
3/6/2020				<0.003	
3/9/2020	0.0013 (J)	0.0011 (J)	<0.003		0.0037
9/10/2020		0.0003 (J)		<0.003	0.0019 (J)
9/11/2020			<0.003		
9/16/2020	0.0028 (J)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.003	<0.003	<0.003		
3/16/2016				<0.003	<0.003
5/13/2016		<0.003	<0.003		
5/16/2016	<0.003			<0.003	0.00109 (J)
7/19/2016		<0.003 (*)	<0.003		
7/22/2016	0.002 (J)				
7/25/2016				<0.003 (*)	<0.003 (*)
9/16/2016		<0.003	<0.003		
9/19/2016	<0.003			<0.003	<0.003
11/2/2016		<0.003	<0.003		
11/3/2016	<0.003			<0.003	
11/4/2016					<0.003
1/17/2017	<0.003				
1/18/2017		<0.003	0.0013 (J)		
1/19/2017				<0.003	
1/23/2017					<0.003
3/27/2017	<0.003				
3/28/2017		<0.003	<0.003	<0.003	
3/29/2017					0.0018 (J)
6/5/2017				<0.003	
6/6/2017		<0.003	0.0007 (J)		
6/7/2017	<0.003				0.0009 (J)
9/22/2017		<0.003	0.0012 (J)		
9/26/2017	<0.003			<0.003	
9/27/2017					0.0111 (o)
12/29/2017					0.0012 (Y)
3/14/2018	<0.003	<0.003			
3/15/2018			<0.003	<0.003	0.00086 (J)
9/12/2018		<0.003	<0.003	<0.003	
9/13/2018					0.0029 (J)
9/14/2018	<0.003				
3/13/2019		<0.003	<0.003		
3/14/2019	<0.003			<0.003	0.0015 (J)
9/10/2019	<0.003				
9/11/2019		<0.003	0.00029 (J)	<0.003	0.014
3/6/2020	<0.003				
3/9/2020		0.00062 (J)	0.00037 (J)		
3/10/2020				<0.003	0.00087 (J)
9/10/2020	<0.003				
9/11/2020		<0.003			0.0076
9/14/2020			<0.003		
9/15/2020				<0.003	
12/15/2020					0.0014 (J)

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.003	<0.003	<0.003	<0.003
3/16/2016	0.00426				
5/16/2016	0.00267 (J)				
5/17/2016		<0.003			<0.003
5/18/2016			<0.003	0.000987 (J)	
7/25/2016	0.0017 (J)				
7/26/2016		<0.003			
7/27/2016			0.0006 (J)	0.0008 (J)	0.0006 (J)
9/19/2016	<0.003				
9/20/2016		0.001 (J)	<0.003	0.0012 (J)	0.0018 (J)
11/3/2016	0.0017 (J)				
11/4/2016		<0.003		0.001 (J)	<0.003
11/7/2016			<0.003		
1/20/2017	0.001 (J)	<0.003		0.0013 (J)	
1/23/2017			<0.003		<0.003
3/28/2017		<0.003			<0.003
3/29/2017	0.001 (J)		<0.003	0.0004 (J)	
6/7/2017	0.0009 (J)	<0.003			
6/8/2017			<0.003	<0.003 (*)	<0.003 (*)
9/27/2017	0.0012 (J)		<0.003	<0.003	
9/29/2017		<0.003			<0.003
3/15/2018	<0.003	<0.003	<0.003		<0.003
3/16/2018				<0.003	
9/13/2018	<0.003	<0.003	<0.003	<0.003	<0.003
3/14/2019	<0.003				
3/15/2019			<0.003		<0.003
3/18/2019		<0.003			
3/19/2019				<0.003	
9/11/2019	<0.003	<0.003		0.00099 (J)	<0.003 (D)
9/12/2019			<0.003		
3/9/2020			0.00032 (J)	0.00056 (J)	<0.003
3/10/2020	<0.003	<0.003			
9/11/2020	0.00043 (J)				
9/14/2020		<0.003	<0.003		<0.003
9/15/2020				0.00053 (J)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	0.003	<0.003
5/18/2016	<0.003	<0.003
7/27/2016	0.0023 (J)	
7/28/2016		<0.003
9/21/2016	0.0013 (J)	<0.003
11/4/2016	<0.003	
11/7/2016		<0.003 (*)
1/24/2017	<0.003	0.0024 (J)
3/29/2017	<0.003	
3/30/2017		0.0011 (J)
6/8/2017	<0.003 (*)	
6/9/2017		<0.003 (*)
9/29/2017	<0.003	0.0009 (J)
3/15/2018	<0.003	0.0012 (J)
9/13/2018	<0.003	
9/14/2018		0.00083 (J)
3/18/2019	<0.003	
3/19/2019		0.0011 (J)
9/11/2019	0.0032	0.00065 (J)
3/9/2020		0.0018 (J)
3/11/2020	0.0012 (J)	
9/11/2020	0.0011 (J)	
9/14/2020		0.0017 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.005			
3/15/2016			<0.005	<0.005	<0.005
5/11/2016		<0.005	<0.005		
5/12/2016				<0.005	
5/13/2016					<0.005
5/16/2016	<0.005 (D)				
7/19/2016		<0.005			
7/20/2016				<0.005	
7/21/2016			<0.005		0.0012 (J)
7/27/2016	0.0011 (JD)				
9/15/2016		<0.005	<0.005	<0.005	
9/21/2016					<0.005
11/2/2016		<0.005			
11/3/2016			<0.005	<0.005	<0.005
1/17/2017			<0.005		<0.005
1/18/2017		<0.005		<0.005	
2/21/2017	<0.005				
3/24/2017			<0.005	<0.005	
3/27/2017	0.0007 (JD)				0.0008 (J)
3/28/2017		0.0007 (J)			
5/24/2017			<0.005		
6/6/2017				<0.005 (*)	<0.005 (*)
6/7/2017		<0.005			
6/8/2017	0.0007 (JD)				
7/17/2017	0.0005 (JD)				
7/27/2017	<0.005				
8/9/2017	0.0008 (J)				
9/25/2017				<0.005	0.001 (J)
9/26/2017		<0.005	0.0005 (J)		
9/29/2017	<0.005 (D)				
3/14/2018		<0.005	<0.005	<0.005	<0.005
3/16/2018	<0.005				
9/12/2018		<0.005	<0.005	<0.005	<0.005
9/14/2018	<0.005				
3/13/2019			<0.005		
3/14/2019	<0.005			<0.005	<0.005
3/15/2019		<0.005			
9/9/2019		0.00043 (J)	0.00068 (J)		
9/10/2019				<0.005 (D)	<0.005
3/6/2020				<0.005	
3/9/2020	0.00083 (J)	<0.005	<0.005		<0.005
9/10/2020		<0.005		<0.005	<0.005
9/11/2020			<0.005		
9/16/2020	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.005	<0.005	<0.005		
3/16/2016				0.0657 (o)	<0.005
5/13/2016		<0.005	<0.005		
5/16/2016	<0.005			<0.005	<0.005
7/19/2016		<0.005	<0.005		
7/22/2016	<0.005				
7/25/2016				<0.005	<0.005
9/16/2016		<0.005	<0.005		
9/19/2016	<0.005			<0.005	<0.005
11/2/2016		<0.005	<0.005		
11/3/2016	<0.005			<0.005	
11/4/2016					<0.005
1/17/2017	<0.005				
1/18/2017		<0.005	<0.005		
1/19/2017				<0.005	
1/23/2017					<0.005
3/27/2017	<0.005				
3/28/2017		<0.005	0.0005 (J)	0.0009 (J)	
3/29/2017					<0.005
6/5/2017				0.0033 (J)	
6/6/2017		<0.005 (*)	<0.005 (*)		
6/7/2017	<0.005 (*)				<0.005
9/22/2017		<0.005	<0.005		
9/26/2017	<0.005			0.0008 (J)	
9/27/2017					<0.005
3/14/2018	<0.005	<0.005			
3/15/2018			<0.005	<0.005	<0.005
9/12/2018		<0.005	<0.005	<0.005	
9/13/2018					<0.005
9/14/2018	<0.005				
3/13/2019		<0.005	<0.005		
3/14/2019	<0.005			<0.005	<0.005
9/10/2019	<0.005				
9/11/2019		<0.005	<0.005	<0.005	<0.005
3/6/2020	<0.005				
3/9/2020		<0.005	<0.005		
3/10/2020				0.0013 (J)	<0.005
9/10/2020	<0.005				
9/11/2020		<0.005			<0.005
9/14/2020			<0.005		
9/15/2020				<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.005	<0.005	0.0551 (o)	<0.005
3/16/2016	<0.005				
5/16/2016	<0.005				
5/17/2016		<0.005			<0.005
5/18/2016			<0.005	0.00127 (J)	
7/25/2016	<0.005				
7/26/2016		<0.005			
7/27/2016			<0.005	0.0012 (J)	<0.005
9/19/2016	<0.005				
9/20/2016		<0.005	<0.005	<0.005	<0.005
11/3/2016	<0.005				
11/4/2016		<0.005		<0.005	<0.005
11/7/2016			<0.005		
1/20/2017	<0.005	<0.005		<0.005	
1/23/2017			<0.005		<0.005
3/28/2017		0.0004 (J)			<0.005
3/29/2017	<0.005		<0.005	<0.005	
6/7/2017	<0.005 (*)	<0.005 (*)			
6/8/2017			0.0006 (J)	0.001 (J)	<0.005
9/27/2017	0.0006 (J)		<0.005	0.0009 (J)	
9/29/2017		<0.005			<0.005
3/15/2018	<0.005	<0.005	<0.005		<0.005
3/16/2018				<0.005	
9/13/2018	<0.005	<0.005	<0.005	0.00091 (J)	<0.005
3/14/2019	<0.005				
3/15/2019			<0.005		<0.005
3/18/2019		<0.005			
3/19/2019				<0.005	
9/11/2019	<0.005	<0.005		0.00067 (J)	<0.005 (D)
9/12/2019			<0.005		
3/9/2020			<0.005	0.00051 (J)	<0.005
3/10/2020	<0.005	<0.005			
9/11/2020	<0.005				
9/14/2020		<0.005	<0.005		<0.005
9/15/2020				<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.005	<0.005
5/18/2016	<0.005	<0.005
7/27/2016	<0.005	
7/28/2016		<0.005
9/21/2016	<0.005	<0.005
11/4/2016	<0.005	
11/7/2016		<0.005
1/24/2017	<0.005	<0.005
3/29/2017	<0.005	
3/30/2017		<0.005
6/8/2017	<0.005	
6/9/2017		<0.005
9/29/2017	<0.005	<0.005
3/15/2018	<0.005	<0.005
9/13/2018	<0.005	
9/14/2018		<0.005
3/18/2019	<0.005	
3/19/2019		<0.005
9/11/2019	<0.005	<0.005
3/9/2020		<0.005
3/11/2020	0.00041 (J)	
9/11/2020	<0.005	
9/14/2020		<0.005

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.01			
3/15/2016			<3 (o)	0.0291	0.0462
5/11/2016		0.00793 (J)	0.00992 (J)		
5/12/2016				0.0322	
5/13/2016					0.0265
5/16/2016	0.0113 (D)				
7/19/2016		0.0045 (J)			
7/20/2016				0.0313	
7/21/2016			0.009 (J)		0.0243
7/27/2016	0.0114 (D)				
9/15/2016		0.0057 (J)	0.0109	0.0217	
9/21/2016					0.0145
11/2/2016		0.0043 (J)			
11/3/2016			0.0115	0.0272	0.0082 (J)
1/17/2017			0.0101		0.007 (J)
1/18/2017		<0.01 (*)		0.0286 (J)	
2/21/2017	0.0178				
3/24/2017			0.0086 (J)	0.0307	
3/27/2017	0.0162 (D)				0.016
3/28/2017		0.0188			
5/24/2017			0.0087 (J)		
6/6/2017				0.0242	0.0301
6/7/2017		0.0273			
6/8/2017	0.0156 (D)				
7/17/2017	0.016 (D)				
7/27/2017	0.0184				
8/9/2017	0.0162				
9/25/2017				0.0252	0.0169
9/26/2017		0.0236	0.0075 (J)		
9/29/2017	0.0159 (D)				
3/14/2018		0.027	0.0064 (J)	0.021	0.036
3/16/2018	0.016				
9/12/2018		0.022	0.0075 (J)	0.025	0.021
9/14/2018	0.015				
3/13/2019			0.0076 (J)		
3/14/2019	0.018			0.028	0.04
3/15/2019		0.019			
9/9/2019		0.015	0.0078 (J)		
9/10/2019				0.0195 (D)	0.031
3/6/2020				0.022	
3/9/2020	0.017	0.0072 (J)	0.0088 (J)		0.031
9/10/2020		0.0042 (J)		0.024	0.031
9/11/2020			0.0079 (J)		
9/16/2020	0.027				

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	0.00639 (J)	0.0116	0.00819 (J)		
3/16/2016				<3 (o)	0.6294 (o)
5/13/2016		0.0361	0.00756 (J)		
5/16/2016	0.00622 (J)			0.0418	0.006 (J)
7/19/2016		0.036	0.0079 (J)		
7/22/2016	0.0062 (J)				
7/25/2016				0.0179	0.0056 (J)
9/16/2016		0.0259	0.0078 (J)		
9/19/2016	0.0064 (J)			0.0152	0.0059 (J)
11/2/2016		0.037	0.0082 (J)		
11/3/2016	0.0058 (J)			0.0127	
11/4/2016					0.0054 (J)
1/17/2017	0.0061 (J)				
1/18/2017		0.0248	0.0085 (J)		
1/19/2017				0.0172	
1/23/2017					0.006 (J)
3/27/2017	0.0063 (J)				
3/28/2017		0.0222	0.0084 (J)	0.0437	
3/29/2017					0.0058 (J)
6/5/2017				0.0747	
6/6/2017		0.02	0.0078 (J)		
6/7/2017	0.0064 (J)				0.0062 (J)
9/22/2017		0.0179	0.0076 (J)		
9/26/2017	0.006 (J)			0.0338	
9/27/2017					0.0056 (J)
3/14/2018	0.0065 (J)	0.016			
3/15/2018			0.0092 (J)	0.059	0.0057 (J)
9/12/2018		0.017	0.008 (J)	0.032	
9/13/2018					0.0057 (J)
9/14/2018	0.0065 (J)				
3/13/2019		0.014	0.0077 (J)		
3/14/2019	0.0066 (J)			0.077	0.0066 (J)
9/10/2019	0.0068 (J)				
9/11/2019		0.015	0.0079 (J)	0.036	0.0061 (J)
3/6/2020	0.0066 (J)				
3/9/2020		0.012	0.0069 (J)		
3/10/2020				0.059	0.0061 (J)
9/10/2020	0.0059 (J)				
9/11/2020		0.024			0.006 (J)
9/14/2020			0.0075 (J)		
9/15/2020				0.035	

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		0.0209	0.0144	0.0344 (o)	0.0361
3/16/2016	0.0244				
5/16/2016	0.0222				
5/17/2016		0.0202			0.0277
5/18/2016			0.0136	0.0184	
7/25/2016	0.02				
7/26/2016		0.0165			
7/27/2016			0.013	0.0146	0.0276
9/19/2016	0.019				
9/20/2016		0.0132	0.0146	0.0122	0.0266
11/3/2016	0.0177				
11/4/2016		0.012		0.0119	0.0239
11/7/2016			0.0124		
1/20/2017	0.0173	0.0133		0.0114	
1/23/2017			0.0158		<0.01
3/28/2017		0.0161			0.024
3/29/2017	0.0184		0.017	0.0116	
6/7/2017	0.019	0.0141			
6/8/2017			0.0149	<0.01 (*)	0.0317
9/27/2017	0.0197		0.012	0.0098 (J)	
9/29/2017		0.0151			0.0265
3/15/2018	0.021	0.015	0.011		0.029
3/16/2018				0.01	
9/13/2018	0.022	0.014	0.011	0.0092 (J)	0.026
3/14/2019	0.024				
3/15/2019			0.01		0.026
3/18/2019		0.014			
3/19/2019				0.0088 (J)	
9/11/2019	0.021	0.013		0.0097 (J)	0.0295 (D)
9/12/2019			0.0085 (J)		
3/9/2020			0.0089 (J)	0.0082 (J)	0.029
3/10/2020	0.024	0.013			
9/11/2020	0.021				
9/14/2020		0.013	0.0082 (J)		0.035
9/15/2020				0.0084 (J)	

Time Series

Constituent: Barium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	0.0112	0.0121
5/18/2016	0.0107	0.0117
7/27/2016	0.0104	
7/28/2016		0.0081 (J)
9/21/2016	0.0106	0.0106
11/4/2016	0.0098 (J)	
11/7/2016		0.0047 (J)
1/24/2017	0.0101	0.0071 (J)
3/29/2017	0.0103	
3/30/2017		0.0043 (J)
6/8/2017	<0.01 (*)	
6/9/2017		<0.01 (*)
9/29/2017	0.0097 (J)	0.004 (J)
3/15/2018	0.0093 (J)	0.0032 (J)
9/13/2018	0.01	
9/14/2018		0.004 (J)
3/18/2019	0.015	
3/19/2019		0.0033 (J)
9/11/2019	0.017	0.0038 (J)
3/9/2020		0.0045 (J)
3/11/2020	0.026	
9/11/2020	0.012	
9/14/2020		0.0027 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.003			
3/15/2016			<0.003	<0.003	<0.003
5/11/2016		<0.003	<0.003		
5/12/2016				<0.003	
5/13/2016					<0.003
5/16/2016	<0.003 (D)				
7/19/2016		<0.003			
7/20/2016				<0.003	
7/21/2016			<0.003		<0.003
7/27/2016	0.0004 (JD)				
9/15/2016		<0.003	<0.003	<0.003	
9/21/2016					<0.003
11/2/2016		<0.003			
11/3/2016			<0.003	<0.003	<0.003
1/17/2017			<0.003		<0.003
1/18/2017		<0.003		<0.003	
2/21/2017	<0.003				
3/24/2017			<0.003	<0.003	
3/27/2017	<0.003 (D)				<0.003
3/28/2017		<0.003			
5/24/2017			<0.003		
6/6/2017				<0.003	<0.003
6/7/2017		<0.003			
6/8/2017	<0.003 (D)				
7/17/2017	<0.003 (D)				
7/27/2017	<0.003				
8/9/2017	<0.003				
9/25/2017				<0.003	<0.003
9/26/2017		<0.003	<0.003		
9/29/2017	<0.003 (D)				
3/14/2018		<0.003	<0.003	<0.003	<0.003
3/16/2018	<0.003				
9/12/2018		<0.003	<0.003	<0.003	<0.003
9/14/2018	<0.003				
3/13/2019			<0.003		
3/14/2019	<0.003			<0.003	5.2E-05 (J)
3/15/2019		<0.003			
9/9/2019		<0.003	<0.003		
9/10/2019				<0.003 (D)	<0.003
3/6/2020				<0.003	
3/9/2020	<0.003	<0.003	<0.003		<0.003
9/10/2020		<0.003		<0.003	<0.003
9/11/2020			<0.003		
9/16/2020	<0.003				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.005 (o)	<0.003	<0.003		
3/16/2016				<0.003	<0.003
5/13/2016		<0.003	<0.003		
5/16/2016	<0.003 (o)			<0.003	<0.003
7/19/2016		<0.003	<0.003		
7/22/2016	0.0002 (J)				
7/25/2016				<0.003	<0.003
9/16/2016		<0.003	<0.003		
9/19/2016	0.0001 (J)			<0.003	<0.003
11/2/2016		<0.003	<0.003		
11/3/2016	0.0002 (J)			<0.003	
11/4/2016					<0.003
1/17/2017	0.0001 (J)				
1/18/2017		<0.003	<0.003		
1/19/2017				<0.003	
1/23/2017					<0.003
3/27/2017	0.0001 (J)				
3/28/2017		<0.003	<0.003	8E-05 (J)	
3/29/2017					<0.003
6/5/2017				9E-05 (J)	
6/6/2017		<0.003	<0.003		
6/7/2017	0.0001 (J)				<0.003
9/22/2017		<0.003	<0.003		
9/26/2017	0.0001 (J)			<0.003	
9/27/2017					<0.003
3/14/2018	0.00014 (J)	<0.003			
3/15/2018			5.1E-05 (J)	7.7E-05 (J)	<0.003
9/12/2018		<0.003	<0.003	<0.003	
9/13/2018					<0.003
9/14/2018	0.00012 (J)				
3/13/2019		<0.003	<0.003		
3/14/2019	0.00017 (J)			7.8E-05 (J)	<0.003
9/10/2019	0.00015 (J)				
9/11/2019		<0.003	<0.003	<0.003	<0.003
3/6/2020	0.00017 (J)				
3/9/2020		<0.003	<0.003		
3/10/2020				7.4E-05 (J)	<0.003
9/10/2020	0.00014 (J)				
9/11/2020		6.9E-05 (J)			<0.003
9/14/2020			<0.003		
9/15/2020				5.7E-05 (J)	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.003	<0.003	<0.003	<0.003
3/16/2016	<0.003				
5/16/2016	<0.003				
5/17/2016		<0.003			<0.003
5/18/2016			<0.003	<0.003	
7/25/2016	<0.003				
7/26/2016		<0.003			
7/27/2016			<0.003	<0.003	0.0002 (J)
9/19/2016	<0.003				
9/20/2016		<0.003	<0.003	<0.003	0.0002 (J)
11/3/2016	<0.003				
11/4/2016		<0.003		<0.003	0.0002 (J)
11/7/2016			<0.003		
1/20/2017	<0.003	<0.003		<0.003	
1/23/2017			<0.003		<0.003
3/28/2017		<0.003			0.0002 (J)
3/29/2017	<0.003		<0.003	<0.003	
6/7/2017	<0.003	<0.003			
6/8/2017			<0.003	<0.003	0.0002 (J)
9/27/2017	<0.003		<0.003	<0.003	
9/29/2017		<0.003			0.0002 (J)
3/15/2018	<0.003	<0.003	<0.003		0.00025 (J)
3/16/2018				<0.003	
9/13/2018	<0.003	<0.003	<0.003	<0.003	0.00026 (J)
3/14/2019	<0.003				
3/15/2019			<0.003		0.00022 (J)
3/18/2019		<0.003			
3/19/2019				<0.003	
9/11/2019	<0.003	<0.003		<0.003	0.0003 (JD)
9/12/2019			<0.003		
3/9/2020			<0.003	<0.003	0.00028 (J)
3/10/2020	<0.003	<0.003			
9/11/2020	5.6E-05 (J)				
9/14/2020		<0.003	<0.003		0.00033 (J)
9/15/2020				<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.003	<0.003
5/18/2016	<0.003	<0.003
7/27/2016	<0.003	
7/28/2016		<0.003
9/21/2016	<0.003	<0.003
11/4/2016	<0.003	
11/7/2016		<0.003
1/24/2017	<0.003	<0.003
3/29/2017	<0.003	
3/30/2017		<0.003
6/8/2017	<0.003	
6/9/2017		<0.003
9/29/2017	<0.003	<0.003
3/15/2018	<0.003	<0.003
9/13/2018	<0.003	
9/14/2018		<0.003
3/18/2019	<0.003	
3/19/2019		<0.003
9/11/2019	<0.003	<0.003
3/9/2020		<0.003
3/11/2020	<0.003	
9/11/2020	<0.003	
9/14/2020		<0.003

Time Series

Constituent: Boron (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.1			
3/15/2016			<0.1	<0.1	<0.1
5/11/2016		<0.1	<0.1		
5/12/2016				<0.1	
5/13/2016					<0.1
5/16/2016	<0.1 (D)				
7/19/2016		<0.1 (*)			
7/20/2016				<0.1	
7/21/2016			<0.1		<0.1 (*)
7/27/2016	<0.1 (*)				
9/15/2016		0.0067 (J)	<0.1	<0.1	
9/21/2016					<0.1 (*)
11/2/2016		<0.1			
11/3/2016			<0.1 (*)	<0.1	<0.1
1/17/2017			<0.1		<0.1
1/18/2017		<0.1		<0.1	
2/21/2017	0.0218 (JD)				
3/24/2017			<0.1	0.0154 (J)	
3/27/2017	0.0262 (JD)				0.0173 (J)
3/28/2017		<0.1			
5/24/2017			<0.1		
6/6/2017				<0.1	<0.1 (*)
6/7/2017		<0.1 (*)			
6/8/2017	0.0067 (JD)				
7/17/2017	0.0165 (JD)				
7/27/2017	0.0138 (JD)				
8/9/2017	0.0069 (JD)				
9/25/2017				<0.1	0.0141 (J)
9/26/2017		<0.1	0.0075 (J)		
9/29/2017	0.0066 (JD)				
3/14/2018		<0.1	0.0093 (J)	0.011 (J)	0.014 (J)
3/16/2018	0.0067 (J)				
9/12/2018		<0.1	<0.1	<0.1	0.013 (J)
9/14/2018	0.0059 (J)				
3/13/2019			<0.1		
3/14/2019	0.0059 (X)			0.007 (X)	0.015 (X)
3/15/2019		0.005 (X)			
9/9/2019		<0.1	<0.1		
9/10/2019	0.0081 (X)			<0.1	0.015 (X)
3/6/2020				0.013 (J)	
3/9/2020	0.0065 (J)	<0.1	0.0074 (J)		0.021 (J)
9/10/2020		<0.1		<0.1	0.016 (J)
9/11/2020			<0.1		
9/16/2020	0.015 (J)				

Time Series

Constituent: Boron (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.1	<0.1	<0.1		
3/16/2016				<0.1	<0.1
5/13/2016		<0.1	<0.1		
5/16/2016	<0.1			<0.1	<0.1
7/19/2016		<0.1 (*)	<0.1 (*)		
7/22/2016	0.0076 (J)				
7/25/2016				<0.1	<0.1
9/16/2016		<0.1	0.0246 (J)		
9/19/2016	<0.1			<0.1	<0.1
11/2/2016		<0.1	0.0279 (J)		
11/3/2016	<0.1			<0.1	
11/4/2016					<0.1
1/17/2017	<0.1				
1/18/2017		<0.1	0.0336 (J)		
1/19/2017				<0.1	
1/23/2017					0.0086 (J)
3/27/2017	0.0101 (J)				
3/28/2017		<0.1	0.0313 (J)	0.0113 (J)	
3/29/2017					<0.1
6/5/2017				<0.1 (*)	
6/6/2017		<0.1 (*)	<0.1 (*)		
6/7/2017	<0.1 (*)				<0.1 (*)
9/22/2017		<0.1	0.0294 (J)		
9/26/2017	<0.1			0.0084 (J)	
9/27/2017					<0.1
3/14/2018	<0.1	<0.1			
3/15/2018			0.018 (J)	0.014 (J)	0.0077 (J)
9/12/2018		<0.1	0.018 (J)	0.0051 (J)	
9/13/2018					<0.1
9/14/2018	<0.1				
3/13/2019		<0.1	0.012 (X)		
3/14/2019	<0.1			0.018 (X)	<0.1
9/10/2019	<0.1				
9/11/2019		0.0059 (X)	0.021 (X)	0.0088 (X)	<0.1
3/6/2020	0.0068 (J)				
3/9/2020		<0.1	0.017 (J)		
3/10/2020				0.019 (J)	<0.1
9/10/2020	<0.1				
9/11/2020		<0.1			<0.1
9/14/2020			0.018 (J)		
9/15/2020				0.0089 (J)	

Time Series

Constituent: Boron (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.1	<0.1	<0.1	<0.1
3/16/2016	<0.1				
5/16/2016	<0.1				
5/17/2016		<0.1			<0.1
5/18/2016			<0.1	<0.1	
7/25/2016	0.0054 (J)				
7/26/2016		0.0047 (J)			
7/27/2016			<0.1 (*)	<0.1	<0.1 (*)
9/19/2016	<0.1				
9/20/2016		0.0254 (J)	0.0133 (J)	0.0109 (J)	0.0078 (J)
11/3/2016	<0.1				
11/4/2016		<0.1		<0.1	<0.1
11/7/2016			0.0079 (J)		
1/20/2017	<0.1	<0.1		<0.1	
1/23/2017			<0.1		<0.1
3/28/2017		<0.1			<0.1
3/29/2017	<0.1		<0.1	<0.1	
6/7/2017	<0.1 (*)	<0.1 (*)			
6/8/2017			<0.1	<0.1	<0.1
9/27/2017	<0.1		<0.1	<0.1	
9/29/2017		<0.1			<0.1
3/15/2018	0.0063 (J)	0.0042 (J)	<0.1		<0.1
3/16/2018				<0.1	
9/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1
3/14/2019	0.006 (X)				
3/15/2019			<0.1		<0.1
3/18/2019		0.022 (X)			
3/19/2019				<0.1	
9/11/2019	<0.1	<0.1		0.0054 (X)	<0.1
9/12/2019			<0.1		
3/9/2020			<0.1	0.0051 (J)	<0.1
3/10/2020	0.009 (J)	<0.1			
9/11/2020	0.0056 (J)				
9/14/2020		<0.1	<0.1		<0.1
9/15/2020				<0.1	

Time Series

Constituent: Boron (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.1	<0.1
5/18/2016	<0.1	<0.1
7/27/2016	<0.1 (*)	
7/28/2016		<0.1 (*)
9/21/2016	<0.1 (*)	<0.1 (*)
11/4/2016	<0.1	
11/7/2016		0.0138 (J)
1/24/2017	<0.1	<0.1
3/29/2017	<0.1	
3/30/2017		0.0077 (J)
6/8/2017	<0.1	
6/9/2017		<0.1
9/29/2017	<0.1	<0.1
3/15/2018	<0.1	0.0052 (J)
9/13/2018	<0.1	
9/14/2018		<0.1
3/18/2019	0.0099 (X)	
3/19/2019		0.0043 (X)
9/11/2019	<0.1	<0.1
3/9/2020		0.0055 (J)
3/11/2020	<0.1	
9/11/2020	0.0057 (J)	
9/14/2020		<0.1

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.0025			
3/15/2016			<0.0025	<0.0025	<0.0025
5/11/2016		0.000177 (J)	<0.0025		
5/12/2016				<0.0025	
5/13/2016					<0.0025
5/16/2016	<0.0025 (D)				
7/19/2016		0.0001 (J)			
7/20/2016				<0.0025	
7/21/2016			<0.0025		<0.0025
7/27/2016	0.0001 (JD)				
9/15/2016		8E-05 (J)	<0.0025	<0.0025	
9/21/2016					<0.0025
11/2/2016		<0.0025			
11/3/2016			<0.0025	<0.0025	<0.0025
1/17/2017			<0.0025		<0.0025
1/18/2017		<0.0025		<0.0025	
2/21/2017	<0.0025				
3/24/2017			<0.0025	<0.0025	
3/27/2017	<0.0025 (D)				<0.0025
3/28/2017		<0.0025			
5/24/2017			<0.0025		
6/6/2017				<0.0025	<0.0025
6/7/2017		<0.0025			
6/8/2017	<0.0025 (D)				
7/17/2017	<0.0025 (D)				
7/27/2017	<0.0025				
8/9/2017	<0.0025				
9/25/2017				<0.0025	<0.0025
9/26/2017		<0.0025	<0.0025		
9/29/2017	<0.0025 (D)				
3/14/2018		<0.0025	<0.0025	<0.0025	<0.0025
3/16/2018	<0.0025				
9/12/2018		<0.0025	<0.0025	<0.0025	<0.0025
9/14/2018	<0.0025				
3/13/2019			<0.0025		
3/14/2019	<0.0025			<0.0025	<0.0025
3/15/2019		<0.0025			
9/9/2019		<0.0025	<0.0025		
9/10/2019				<0.0025 (D)	<0.0025
3/6/2020				<0.0025	
3/9/2020	<0.0025	<0.0025	<0.0025		<0.0025
9/10/2020		<0.0025		<0.0025	<0.0025
9/11/2020			<0.0025		
9/16/2020	<0.0025				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	0.000121 (J)	<0.0025	<0.0025		
3/16/2016				<0.0025	<0.0025
5/13/2016		<0.0025	<0.0025		
5/16/2016	0.000145 (J)			<0.0025	<0.0025
7/19/2016		<0.0025	<0.0025		
7/22/2016	<0.0025				
7/25/2016				<0.0025	<0.0025
9/16/2016		<0.0025	<0.0025		
9/19/2016	0.0001 (J)			<0.0025	<0.0025
11/2/2016		<0.0025	<0.0025		
11/3/2016	8E-05 (J)			<0.0025	
11/4/2016					<0.0025
1/17/2017	0.0001 (J)				
1/18/2017		<0.0025	<0.0025		
1/19/2017				<0.0025	
1/23/2017					<0.0025
3/27/2017	0.0002 (J)				
3/28/2017		<0.0025	<0.0025	<0.0025	
3/29/2017					<0.0025
6/5/2017				8E-05 (J)	
6/6/2017		8E-05 (J)	<0.0025		
6/7/2017	0.0001 (J)				<0.0025
9/22/2017		<0.0025	<0.0025		
9/26/2017	<0.0025			<0.0025	
9/27/2017					<0.0025
3/14/2018	0.00011 (J)	<0.0025			
3/15/2018			<0.0025	<0.0025	<0.0025
9/12/2018		<0.0025	<0.0025	<0.0025	
9/13/2018					<0.0025
9/14/2018	0.00013 (J)				
3/13/2019		<0.0025	<0.0025		
3/14/2019	0.00013 (J)			<0.0025	<0.0025
9/10/2019	0.00014 (J)				
9/11/2019		<0.0025	<0.0025	<0.0025	<0.0025
3/6/2020	0.00014 (J)				
3/9/2020		<0.0025	<0.0025		
3/10/2020				<0.0025	<0.0025
9/10/2020	0.00015 (J)				
9/11/2020		<0.0025			<0.0025
9/14/2020			<0.0025		
9/15/2020				<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.0025	<0.0025	<0.0025	0.0195 (Jo)
3/16/2016	0.0167 (o)				
5/16/2016	<0.0025				
5/17/2016		<0.0025			0.000251 (J)
5/18/2016			<0.0025	<0.0025	
7/25/2016	<0.0025				
7/26/2016		<0.0025			
7/27/2016			<0.0025	<0.0025	0.0002 (J)
9/19/2016	<0.0025				
9/20/2016		<0.0025	8E-05 (J)	<0.0025	0.0002 (J)
11/3/2016	<0.0025				
11/4/2016		<0.0025		<0.0025	0.0001 (J)
11/7/2016			<0.0025		
1/20/2017	<0.0025	<0.0025		<0.0025	
1/23/2017			<0.0025		<0.0025
3/28/2017		<0.0025			0.0001 (J)
3/29/2017	<0.0025		<0.0025	<0.0025	
6/7/2017	<0.0025	<0.0025			
6/8/2017			<0.0025	<0.0025	0.0002 (J)
9/27/2017	<0.0025		<0.0025	<0.0025	
9/29/2017		<0.0025			0.0002 (J)
3/15/2018	<0.0025	<0.0025	9.3E-05 (J)		0.00018 (J)
3/16/2018				<0.0025	
9/13/2018	<0.0025	<0.0025	<0.0025	<0.0025	0.00012 (J)
3/14/2019	<0.0025				
3/15/2019			0.00015 (J)		0.00018 (J)
3/18/2019		<0.0025			
3/19/2019				<0.0025	
9/11/2019	<0.0025	<0.0025		<0.0025	0.00021 (JD)
9/12/2019			<0.0025		
3/9/2020			0.00015 (J)	<0.0025	0.00016 (J)
3/10/2020	<0.0025	<0.0025			
9/11/2020	<0.0025				
9/14/2020		<0.0025	0.00014 (J)		0.00019 (J)
9/15/2020				<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.0025	<0.0025
5/18/2016	<0.0025	<0.0025
7/27/2016	<0.0025	
7/28/2016		<0.0025
9/21/2016	<0.0025	9E-05 (J)
11/4/2016	<0.0025	
11/7/2016		0.0001 (J)
1/24/2017	<0.0025	0.0002 (J)
3/29/2017	<0.0025	
3/30/2017		0.0002 (J)
6/8/2017	<0.0025	
6/9/2017		0.0002 (J)
9/29/2017	<0.0025	0.0002 (J)
3/15/2018	<0.0025	0.0001 (J)
9/13/2018	<0.0025	
9/14/2018		<0.0025
3/18/2019	<0.0025	
3/19/2019		<0.0025
9/11/2019	<0.0025	<0.0025
3/9/2020		<0.0025
3/11/2020	<0.0025	
9/11/2020	<0.0025	
9/14/2020		<0.0025

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		20			
3/15/2016			24	24	38
5/11/2016		9.76	22.1		
5/12/2016				15.5	
5/13/2016					36
5/16/2016	27.8 (D)				
7/19/2016		3.04			
7/20/2016				16.5	
7/21/2016			19.3		33.5
7/27/2016	21.2 (D)				
9/15/2016		4.78	18.2	6.1	
9/21/2016					31.9
11/2/2016		2.46			
11/3/2016			18.2	13.7	28.9
1/17/2017			22		31.4
1/18/2017		5.46		13.1	
2/21/2017	31.7 (D)				
3/24/2017			21.1	17.3	
3/27/2017	31.9 (D)				31.7
3/28/2017		13			
5/24/2017			23.5		
6/6/2017				29.1	42.9
6/7/2017		17			
6/8/2017	35 (D)				
7/17/2017	35.9 (D)				
7/27/2017	34.9 (D)				
8/9/2017	33.7 (D)				
9/25/2017				17.6	29.3
9/26/2017		24.9	24.1		
9/29/2017	33.4 (D)				
12/28/2017		17.9 (Y)			
3/14/2018		26.4	25.7	39.6	41.4
3/16/2018	32.6				
9/12/2018		25.1	18.4 (J)	14.2 (J)	29
9/14/2018	29.2				
3/13/2019			23.8 (X)		
3/14/2019	33			22.7 (X)	31.9
3/15/2019		20.3 (X)			
9/9/2019		11.3	15.4		
9/10/2019	33.8			6	29.6
3/6/2020				29.2	
3/9/2020	35.6	3.2	29.4		25.5
9/10/2020		1		13.5	22.9
9/11/2020			17.7		
9/16/2020	34.9				

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	31	13	30		
3/16/2016				5.5	0.8
5/13/2016		18.7	27.8		
5/16/2016	32			4.3	0.877
7/19/2016		12	25.3		
7/22/2016	28.5				
7/25/2016				1.41	0.781
9/16/2016		8.48	27.5		
9/19/2016	28.6			1.01	0.775
11/2/2016		11.4	26.2		
11/3/2016	26.6			0.884	
11/4/2016					0.792
1/17/2017	28.7				
1/18/2017		6.81	26.6		
1/19/2017				1.41	
1/23/2017					0.782
3/27/2017	30.4				
3/28/2017		5.61	29	4.23	
3/29/2017					0.756
6/5/2017				10.1	
6/6/2017		4.99	29.3		
6/7/2017	31.3				0.944
9/22/2017		4.24	32.2		
9/26/2017	29.5			4.14	
9/27/2017					0.773
12/28/2017			29 (Y)		
3/14/2018	32.6	3.6			
3/15/2018			28	9	0.77
9/12/2018		3.7	28.7	4.1	
9/13/2018					0.79
9/14/2018	30.5				
3/13/2019		2.9	29.2		
3/14/2019	32			17.2 (X)	0.9
9/10/2019	34				
9/11/2019		3.2	29.5	7.1	0.83
3/6/2020	38				
3/9/2020		2.6	31.7		
3/10/2020				16.9	0.89 (J)
9/10/2020	31.1				
9/11/2020		9			0.81 (J)
9/14/2020			31		
9/15/2020				8.3	

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		50	26	25	12
3/16/2016	36				
5/16/2016	37.4				
5/17/2016		50.5			3.25
5/18/2016			26.2	27.6	
7/25/2016	30.2				
7/26/2016		40.7			
7/27/2016			19.3	23.9	3.2
9/19/2016	32.3				
9/20/2016		38.8	25.3	28.9	2.72
11/3/2016	29.3				
11/4/2016		40.7		32.1	1.69
11/7/2016			23.6		
1/20/2017	28.7	38.8		31.8	
1/23/2017			25.1		<0.5
3/28/2017		48.3			1.72
3/29/2017	34.9		28.9	34.6	
6/7/2017	30.9	43.4			
6/8/2017			25.6	34	3.11
9/27/2017	34.2		23.8	30.8	
9/29/2017		46.6			2.71
3/15/2018	34.6	46.2	21.6 (J)		3.5
3/16/2018				30.2	
9/13/2018	36.1	45.3	23.8 (J)	30.9	2.5
3/14/2019	37				
3/15/2019			20.4 (X)		4.4
3/18/2019		46.1			
3/19/2019				28.4	
9/11/2019	37.2	43.1		33.3	2.9
9/12/2019			21.1		
3/9/2020			22.3	35	4.5
3/10/2020	43.5	51.6			
9/11/2020	35.3				
9/14/2020		40.2	20.9		3.5
9/15/2020				31.6	

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	24	6.4
5/18/2016	27.7	4.63
7/27/2016	21.7	
7/28/2016		2.25
9/21/2016	24.9	1.86
11/4/2016	23.6	
11/7/2016		1.65
1/24/2017	23	1.62
3/29/2017	27.5	
3/30/2017		1.27
6/8/2017	27.1	
6/9/2017		1.18
9/29/2017	25.3	0.967
3/15/2018	24.4 (J)	0.81
9/13/2018	22.8 (J)	
9/14/2018		0.7
3/18/2019	31	
3/19/2019		1.1
9/11/2019	24.3	0.78
3/9/2020		0.87 (J)
3/11/2020	27.1	
9/11/2020	24.7	
9/14/2020		0.65 (J)

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		1.795			
3/15/2016			1.1671	4.1666	6.1465
5/11/2016		2.04	0.8763		
5/12/2016				1.78	
5/13/2016					3.08
5/16/2016	1.74 (D)				
7/19/2016		2.1			
7/20/2016				1.8	
7/21/2016			1.4		3.7
7/27/2016	2.1 (D)				
9/15/2016		1.7		1.4	
9/19/2016			1.1		
9/21/2016					2.4
11/2/2016		1.8			
11/3/2016			1.2	1.6	3.4
1/17/2017			1		1.9
1/18/2017		1.7		1.5	
2/21/2017	4 (D)				
3/24/2017			1.2	1.4	
3/27/2017	2.6 (D)				2.4
3/28/2017		1.3			
5/24/2017			1.5		
6/6/2017				2.8	4.5
6/7/2017		1.2			
6/8/2017	2.1 (D)				
7/17/2017	1.9 (D)				
7/27/2017	3 (D)				
8/9/2017	2.5 (D)				
9/25/2017				1.8	2.5
9/26/2017		1.7	2.4		
9/29/2017	2.7 (D)				
12/28/2017			3.9 (Y)		
3/14/2018		1.4	2.4	3	4 (J)
3/16/2018	2.6				
9/12/2018		1.6	1	1.4	2.1
9/14/2018	1.9				
3/13/2019			2.2		
3/14/2019	2.8			2.6	2.9
3/15/2019		1.7			
9/9/2019		1.2	0.83 (X)		
9/10/2019	2.3			1.1	1.7
3/6/2020				1.3	
3/9/2020	1.5	1.2	1.5		1.3
9/10/2020		1.2		1.2	1.4
9/11/2020			0.77 (J)		
9/16/2020	1.7				

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	2.4984	1.2562	1.9467		
3/16/2016				6.505	0.9445
5/13/2016		1.32	2.14		
5/16/2016	2.22			5.08	0.9104
7/19/2016		1.3	3.1		
7/22/2016	2.6				
7/25/2016				1.2	1.2
9/16/2016		1.2	3.5		
9/19/2016	2.5			1.9	1.1
11/2/2016		1.4	4.7		
11/3/2016	3			2	
11/4/2016					1
1/17/2017	2.9				
1/18/2017		1.2	4.9		
1/19/2017				2.6	
1/23/2017					1.2
3/27/2017	3				
3/28/2017		1.4	4.1	5.7	
3/29/2017					1.1
6/5/2017				7.8	
6/6/2017		1.4	3.6		
6/7/2017	3				1
7/20/2017				7.4	
9/22/2017		1.3	3.9		
9/26/2017	3.1			3.7	
9/27/2017					1.1
3/14/2018	3.2	1.3			
3/15/2018			2.8	6.5	<1.1
9/12/2018		1.3	3.1	3.6	
9/13/2018					0.93
9/14/2018	2.3				
3/13/2019		1.6	2.9		
3/14/2019	3.6			6.4	<1.1
9/10/2019	2				
9/11/2019		1.3	3.1	3.7	0.81 (X)
3/6/2020	2.7				
3/9/2020		1.2	2.2		
3/10/2020				5.9	0.8 (J)
9/10/2020	2				
9/11/2020		1.3			0.79 (J)
9/14/2020			3.3		
9/15/2020				4.2	

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		1.9859	2.2206	2.5934	2.4266
3/16/2016	3.0774				
5/16/2016	3				
5/17/2016		2.37			2.01
5/18/2016			2.42	2.51	
7/25/2016	3				
7/26/2016		2.4			
7/27/2016			2.4	2.5	2.3
9/19/2016	3				
9/20/2016		2.4	2.4	2.4	2.2
11/3/2016	3				
11/4/2016		2.8		2.9	3
11/7/2016			2.8		
1/20/2017	3.3	2.2		2.7	
1/23/2017			2.4		2.5
3/28/2017		2.3			2.2
3/29/2017	3.2		2.8	2.3	
6/7/2017	3.1	2.3			
6/8/2017			2.5	2.3	2.3
9/27/2017	3.2		2.4	2.4	
9/29/2017		2.1			2.5
3/15/2018	3.3	2	2.7		2.6
3/16/2018				2.7	
9/13/2018	2.9	1.9	2.6	2.5	2.8
3/14/2019	4.3				
3/15/2019			2.8		3.3
3/18/2019		1.8			
3/19/2019				2.6	
9/11/2019	2.9	1.4		2.1	3.3
9/12/2019			2.3		
3/9/2020			2.3	2.3	3.4
3/10/2020	4.4	1.2			
9/11/2020	3.1				
9/14/2020		1.1	2.2		4
9/15/2020				2.2	

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	1.4476	1.0624
5/18/2016	1.43	1.41
7/27/2016	1.6	
7/28/2016		1.4
9/21/2016	1.6	1.2
11/4/2016	1.6	
11/7/2016		1.4
1/24/2017	1.7	<1.1 (*)
3/29/2017	1.6	
3/30/2017		1.2
6/8/2017	1.6	
6/9/2017		1.1
9/29/2017	1.7	1.2
3/15/2018	1.6	1.4
9/13/2018	1.3	
9/14/2018		1.1
3/18/2019	2.7	
3/19/2019		<1.1
9/11/2019	1.4	1
3/9/2020		1
3/11/2020	1.4	
9/11/2020	1.2	
9/14/2020		0.98 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.01			
3/15/2016			<0.01	<0.01	<0.01
5/11/2016		<0.01	<0.01		
5/12/2016				<0.01	
5/13/2016					<0.01
5/16/2016	<0.01 (D)				
7/19/2016		<0.01			
7/20/2016				<0.01	
7/21/2016			<0.01		<0.01
7/27/2016	0.0017 (JD)				
9/15/2016		<0.01	<0.01	<0.01	
9/21/2016					<0.01
11/2/2016		<0.01			
11/3/2016			<0.01	<0.01	<0.01
1/17/2017			<0.01		<0.01
1/18/2017		<0.01		<0.01	
2/21/2017	0.001 (J)				
3/24/2017			<0.01 (*)	<0.01 (*)	
3/27/2017	<0.01 (D)				<0.01
3/28/2017		<0.01 (*)			
5/24/2017			0.0008 (J)		
6/6/2017				<0.01	0.0004 (J)
6/7/2017		<0.01			
6/8/2017	<0.01 (D)				
7/17/2017	<0.01 (D)				
7/27/2017	0.0005 (J)				
8/9/2017	0.0005 (J)				
9/25/2017				<0.01	<0.01
9/26/2017		<0.01	0.0005 (J)		
9/29/2017	0.0006 (JD)				
3/14/2018		<0.01	<0.01	<0.01	<0.01
3/16/2018	<0.01				
9/12/2018		<0.01	<0.01	<0.01	<0.01
9/14/2018	<0.01				
3/13/2019			<0.01		
3/14/2019	0.004 (J)			<0.01	<0.01
3/15/2019		<0.01			
9/9/2019		<0.01	<0.01		
9/10/2019				<0.01 (D)	<0.01
3/6/2020				0.015	
3/9/2020	0.0016 (J)	0.069	0.0009 (J)		0.0004 (J)
9/10/2020		<0.01		<0.01	<0.01
9/11/2020			<0.01		
9/16/2020	0.00058 (J)				

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.01	<0.01	0.00212 (J)		
3/16/2016				<0.01	<0.01
5/13/2016		<0.01	<0.01		
5/16/2016	<0.01			<0.01	<0.01
7/19/2016		<0.01	0.0006 (J)		
7/22/2016	<0.01				
7/25/2016				<0.01	<0.01
9/16/2016		<0.01	<0.01		
9/19/2016	<0.01			<0.01	<0.01
11/2/2016		<0.01	<0.01		
11/3/2016	<0.01			<0.01	
11/4/2016					<0.01
1/17/2017	<0.01				
1/18/2017		<0.01	0.0014 (J)		
1/19/2017				<0.01	
1/23/2017					<0.01
3/27/2017	<0.01				
3/28/2017		<0.01 (*)	<0.01 (*)	<0.01	
3/29/2017					<0.01
6/5/2017				<0.01	
6/6/2017		0.0004 (J)	0.0009 (J)		
6/7/2017	<0.01				<0.01
9/22/2017		0.0008 (J)	0.0006 (J)		
9/26/2017	<0.01			<0.01	
9/27/2017					<0.01
3/14/2018	<0.01	<0.01			
3/15/2018			0.0017 (J)	<0.01	<0.01
9/12/2018		<0.01	<0.01	<0.01	
9/13/2018					<0.01
9/14/2018	<0.01				
3/13/2019		<0.01	<0.01		
3/14/2019	<0.01			<0.01	<0.01
9/10/2019	<0.01				
9/11/2019		0.00051 (J)	0.00066 (J)	<0.01	<0.01
3/6/2020	0.00045 (J)				
3/9/2020		0.0033 (J)	0.0014 (J)		
3/10/2020				0.00074 (J)	0.0007 (J)
9/10/2020	<0.01				
9/11/2020		<0.01			<0.01
9/14/2020			0.0011 (J)		
9/15/2020				<0.01	

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.01	0.0439 (o)	0.00136 (J)	0.000148 (J)
3/16/2016	<0.01				
5/16/2016	<0.01				
5/17/2016		<0.01			<0.01
5/18/2016			0.00248 (J)	0.00606 (Jo)	
7/25/2016	<0.01				
7/26/2016		0.0017 (J)			
7/27/2016			0.0021 (J)	0.0023 (J)	0.0017 (J)
9/19/2016	<0.01				
9/20/2016		0.0015 (J)	0.002 (J)	0.0021 (J)	0.0024 (J)
11/3/2016	<0.01				
11/4/2016		0.0016 (J)		0.0016 (J)	0.0013 (J)
11/7/2016			0.0023 (J)		
1/20/2017	<0.01	0.0018 (J)		0.0016 (J)	
1/23/2017			0.0011 (J)		<0.01
3/28/2017		<0.01 (*)			<0.01 (*)
3/29/2017	<0.01		0.0012 (J)	0.001 (J)	
6/7/2017	0.0004 (J)	0.0018 (J)			
6/8/2017			0.0015 (J)	0.0024 (J)	0.0016 (J)
9/27/2017	<0.01		0.0021 (J)	0.0021 (J)	
9/29/2017		0.0033 (J)			0.002 (J)
3/15/2018	<0.01	0.0021 (J)	0.0023 (J)		<0.01
3/16/2018				0.003 (J)	
9/13/2018	<0.01	0.0041 (J)	<0.01	0.0017 (J)	<0.01
3/14/2019	<0.01				
3/15/2019			<0.01		0.0023 (J)
3/18/2019		0.0022 (J)			
3/19/2019				0.018	
9/11/2019	<0.01	0.0038 (J)		0.0015 (J)	0.00165 (JD)
9/12/2019			0.0014 (J)		
3/9/2020			0.0012 (J)	0.0023 (J)	0.0023 (J)
3/10/2020	0.00092 (J)	0.0035 (J)			
9/11/2020	0.00067 (J)				
9/14/2020		0.006 (J)	0.0022 (J)		0.0024 (J)
9/15/2020				0.0017 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.01	0.017 (J)
5/18/2016	<0.01	<0.01
7/27/2016	0.0006 (J)	
7/28/2016		0.0014 (J)
9/21/2016	0.0011 (J)	0.0009 (J)
11/4/2016	<0.01	
11/7/2016		<0.01
1/24/2017	<0.01	<0.01
3/29/2017	0.0004 (J)	
3/30/2017		<0.01
6/8/2017	0.0005 (J)	
6/9/2017		<0.01
9/29/2017	0.0005 (J)	<0.01
3/15/2018	<0.01	<0.01
9/13/2018	<0.01	
9/14/2018		<0.01
3/18/2019	<0.01	
3/19/2019		0.0017 (J)
9/11/2019	0.00063 (J)	0.002 (J)
3/9/2020		0.00096 (J)
3/11/2020	0.0012 (J)	
9/11/2020	<0.01	
9/14/2020		<0.01

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		0.00503 (J)			
3/15/2016			<0.005	<0.005	<0.005
5/11/2016		0.0114	<0.005		
5/12/2016				<0.005	
5/13/2016					<0.005
5/16/2016	0.00313 (JD)				
7/19/2016		0.0013 (J)			
7/20/2016				<0.005	
7/21/2016			<0.005		0.0006 (J)
7/27/2016	0.0057 (JD)				
9/15/2016		0.002 (J)	<0.005	<0.005	
9/21/2016					<0.005
11/2/2016		0.0005 (J)			
11/3/2016			<0.005	<0.005	<0.005
1/17/2017			<0.005		<0.005
1/18/2017		0.0015 (J)		<0.005	
2/21/2017	<0.005				
3/24/2017			<0.005	<0.005	
3/27/2017	<0.005 (D)				0.0005 (J)
3/28/2017		0.0025 (J)			
5/24/2017			<0.005		
6/6/2017				<0.005	<0.005
6/7/2017		0.0023 (J)			
6/8/2017	<0.005 (D)				
7/17/2017	<0.005 (D)				
7/27/2017	<0.005				
8/9/2017	<0.005				
9/25/2017				<0.005	0.0006 (J)
9/26/2017		0.0011 (J)	<0.005		
9/29/2017	<0.005 (D)				
3/14/2018		0.00058 (J)	<0.005	<0.005	<0.005
3/16/2018	<0.005				
9/12/2018		<0.005	<0.005	<0.005	0.0011 (J)
9/14/2018	<0.005				
3/13/2019			<0.005		
3/14/2019	<0.005			<0.005	<0.005
3/15/2019		<0.005			
9/9/2019		<0.005	<0.005		
9/10/2019				<0.005 (D)	<0.005
3/6/2020				<0.005	
3/9/2020	<0.005	0.00075 (J)	<0.005		<0.005
9/10/2020		<0.005		<0.005	<0.005
9/11/2020			<0.005		
9/16/2020	<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.005	<0.005	<0.005		
3/16/2016				0.00101 (J)	<0.005
5/13/2016		<0.005	<0.005		
5/16/2016	<0.005			<0.005	<0.005
7/19/2016		<0.005	<0.005		
7/22/2016	0.0004 (J)				
7/25/2016				0.0015 (J)	0.0017 (J)
9/16/2016		<0.005	<0.005		
9/19/2016	<0.005			0.0014 (J)	0.0017 (J)
11/2/2016		<0.005	<0.005		
11/3/2016	<0.005			0.0013 (J)	
11/4/2016					0.0013 (J)
1/17/2017	<0.005				
1/18/2017		<0.005	<0.005		
1/19/2017				0.0013 (J)	
1/23/2017					0.0013 (J)
3/27/2017	<0.005				
3/28/2017		<0.005	<0.005	0.0019 (J)	
3/29/2017					0.0013 (J)
6/5/2017				0.0022 (J)	
6/6/2017		<0.005	<0.005		
6/7/2017	<0.005				0.0011 (J)
9/22/2017		<0.005	<0.005		
9/26/2017	<0.005			0.0018 (J)	
9/27/2017					0.0013 (J)
3/14/2018	<0.005	<0.005			
3/15/2018			<0.005	0.0018 (J)	0.0012 (J)
9/12/2018		<0.005	<0.005	0.0016 (J)	
9/13/2018					0.001 (J)
9/14/2018	<0.005				
3/13/2019		<0.005	<0.005		
3/14/2019	<0.005			0.0022 (J)	0.0015 (J)
9/10/2019	<0.005				
9/11/2019		<0.005	<0.005	0.0018 (J)	0.0014 (J)
3/6/2020	0.00039 (J)				
3/9/2020		0.00039 (J)	<0.005		
3/10/2020				0.0021 (J)	0.0012 (J)
9/10/2020	<0.005				
9/11/2020		<0.005			0.0012 (J)
9/14/2020			<0.005		
9/15/2020				0.0015 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.005	<0.005	<0.005	0.00207 (J)
3/16/2016	<0.005				
5/16/2016	<0.005				
5/17/2016		<0.005			0.0025 (J)
5/18/2016			<0.005	<0.005	
7/25/2016	<0.005				
7/26/2016		0.0006 (J)			
7/27/2016			<0.005	<0.005	0.0014 (J)
9/19/2016	<0.005				
9/20/2016		<0.005	<0.005	<0.005	0.0015 (J)
11/3/2016	<0.005				
11/4/2016		<0.005		<0.005	0.0014 (J)
11/7/2016			<0.005		
1/20/2017	<0.005	<0.005		<0.005	
1/23/2017			<0.005		<0.005
3/28/2017		<0.005			0.0015 (J)
3/29/2017	<0.005		<0.005	<0.005	
6/7/2017	<0.005	<0.005			
6/8/2017			<0.005	<0.005	0.0016 (J)
9/27/2017	<0.005		<0.005	<0.005	
9/29/2017		<0.005			0.0015 (J)
3/15/2018	<0.005	<0.005	<0.005		0.0013 (J)
3/16/2018				<0.005	
9/13/2018	<0.005	<0.005	<0.005	<0.005	0.0013 (J)
3/14/2019	<0.005				
3/15/2019			<0.005		0.0012 (J)
3/18/2019		<0.005			
3/19/2019				<0.005	
9/11/2019	<0.005	<0.005		<0.005	0.00135 (JD)
9/12/2019			<0.005		
3/9/2020			<0.005	<0.005	0.0016 (J)
3/10/2020	<0.005	<0.005			
9/11/2020	<0.005				
9/14/2020		<0.005	<0.005		0.0017 (J)
9/15/2020				<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.005	<0.005
5/18/2016	<0.005	<0.005
7/27/2016	<0.005	
7/28/2016		0.0026 (J)
9/21/2016	<0.005	0.0044 (J)
11/4/2016	<0.005	
11/7/2016		0.0044 (J)
1/24/2017	<0.005	0.0049 (J)
3/29/2017	<0.005	
3/30/2017		0.0041 (J)
6/8/2017	<0.005	
6/9/2017		0.0054 (J)
9/29/2017	<0.005	0.0038 (J)
3/15/2018	<0.005	0.0026 (J)
9/13/2018	<0.005	
9/14/2018		0.0017 (J)
3/18/2019	<0.005	
3/19/2019		0.00069 (J)
9/11/2019	<0.005	0.00075 (J)
3/9/2020		0.0028 (J)
3/11/2020	<0.005	
9/11/2020	<0.005	
9/14/2020		0.0014 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.025			
3/15/2016			<0.025	<0.025	<0.025
5/11/2016		<0.025	<0.025		
5/12/2016				<0.025	
5/13/2016					<0.025
5/16/2016	<0.025 (D)				
7/19/2016		0.0005 (J)			
7/20/2016				<0.025	
7/21/2016			<0.025		0.0005 (J)
7/27/2016	0.0271 (D)				
9/15/2016		<0.025	<0.025	0.0007 (J)	
9/21/2016					<0.025
11/2/2016		<0.025			
11/3/2016			<0.025	<0.025	<0.025
1/17/2017			<0.025		<0.025
1/18/2017		<0.025		<0.025	
2/21/2017	<0.025				
3/24/2017			<0.025	<0.025	
3/27/2017	<0.025 (D)				<0.025
3/28/2017		<0.025 (*)			
9/25/2017				0.0003 (J)	0.0007 (J)
9/26/2017		0.0005 (J)	<0.025		
9/29/2017	<0.025 (D)				
3/14/2018		<0.025	<0.025	<0.025	0.0021 (J)
3/16/2018	<0.025				
9/12/2018		<0.025	<0.025	<0.025	<0.025
9/14/2018	0.002 (J)				
3/13/2019			<0.025		
3/14/2019	<0.025			<0.025	0.0022 (J)
3/15/2019		<0.025			
9/9/2019		<0.025	0.0022 (J)		
9/10/2019				0.00038 (JD)	0.0022 (J)
3/6/2020				0.00093 (J)	
3/9/2020	0.011 (J)	0.0007 (J)	<0.025		0.0014 (J)
9/10/2020		<0.025		<0.025	<0.025
9/11/2020			<0.025		
9/16/2020	<0.025				

Time Series

Constituent: Copper (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.025	<0.025	<0.025		
3/16/2016				<0.025	<0.025
5/13/2016		<0.025	<0.025		
5/16/2016	<0.025			<0.025	<0.025
7/19/2016		<0.025	<0.025		
7/22/2016	<0.025				
7/25/2016				0.0005 (J)	<0.025
9/16/2016		<0.025	<0.025		
9/19/2016	0.003 (J)			<0.025	0.0032 (J)
11/2/2016		<0.025	<0.025		
11/3/2016	<0.025			<0.025	
11/4/2016					0.0006 (J)
1/17/2017	<0.025				
1/18/2017		<0.025	<0.025		
1/19/2017				<0.025	
1/23/2017					0.0008 (J)
3/27/2017	<0.025				
3/28/2017		<0.025 (*)	<0.025 (*)	<0.025 (*)	
3/29/2017					0.0005 (J)
9/22/2017		0.0004 (J)	0.0006 (J)		
9/26/2017	<0.025			0.0006 (J)	
9/27/2017					0.0014 (J)
3/14/2018	<0.025	<0.025			
3/15/2018			<0.025	<0.025	<0.025
9/12/2018		<0.025	<0.025	<0.025	
9/13/2018					<0.025
9/14/2018	<0.025				
3/13/2019		<0.025	0.0015 (J)		
3/14/2019	<0.025			<0.025	<0.025
9/10/2019	<0.025				
9/11/2019		0.00036 (J)	0.00026 (J)	0.00043 (J)	0.012 (J)
3/6/2020	0.00019 (J)				
3/9/2020		0.00035 (J)	0.00035 (J)		
3/10/2020				0.00067 (J)	0.00031 (J)
9/10/2020	<0.025				
9/11/2020		<0.025			<0.025
9/14/2020			<0.025		
9/15/2020				<0.025	

Time Series

Constituent: Copper (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.025	<0.025	<0.025	<0.025
3/16/2016	<0.025				
5/16/2016	<0.025				
5/17/2016		<0.025			<0.025
5/18/2016			<0.025	<0.025	
7/25/2016	<0.025				
7/26/2016		<0.025			
7/27/2016			<0.025	<0.025	<0.025
9/19/2016	<0.025				
9/20/2016		0.0008 (J)	0.0011 (J)	0.001 (J)	0.0018 (J)
11/3/2016	<0.025				
11/4/2016		<0.025		<0.025	<0.025
11/7/2016			<0.025		
1/20/2017	<0.025	<0.025		<0.025	
1/23/2017			<0.025		<0.025
3/28/2017		<0.025			<0.025 (*)
3/29/2017	0.0022 (J)		0.0003 (J)	0.0003 (J)	
9/27/2017	<0.025		<0.025	0.0011 (J)	
9/29/2017		<0.025			0.0003 (J)
3/15/2018	<0.025	<0.025	<0.025		<0.025
3/16/2018				<0.025	
9/13/2018	<0.025	<0.025	<0.025	<0.025	<0.025
3/14/2019	<0.025				
3/15/2019			<0.025		<0.025
3/18/2019		<0.025			
3/19/2019				<0.025	
9/11/2019	<0.025	<0.025		0.0008 (J)	0.000535 (JD)
9/12/2019			<0.025		
3/9/2020			<0.025	0.00032 (J)	0.00035 (J)
3/10/2020	<0.025	<0.025			
9/11/2020	<0.025				
9/14/2020		<0.025	<0.025		<0.025
9/15/2020				<0.025	

Time Series

Constituent: Copper (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.025	<0.025
5/18/2016	<0.025	<0.025
7/27/2016	<0.025	
7/28/2016		0.0007 (J)
9/21/2016	<0.025	0.0018 (J)
11/4/2016	<0.025	
11/7/2016		<0.025
1/24/2017	<0.025	<0.025
3/29/2017	<0.025	
3/30/2017		0.0003 (J)
9/29/2017	<0.025	<0.025
3/15/2018	<0.025	<0.025
9/13/2018	<0.025	
9/14/2018		<0.025
3/18/2019	<0.025	
3/19/2019		<0.025
9/11/2019	<0.025	0.00021 (J)
3/9/2020		0.00035 (J)
3/11/2020	<0.025	
9/11/2020	<0.025	
9/14/2020		<0.025

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		0.0657 (J)			
3/15/2016			<0.3	0.0285 (J)	0.0394 (J)
5/11/2016		0.0401 (J)	0.0255 (J)		
5/12/2016				0.022 (J)	
5/13/2016					0.0234 (J)
5/16/2016	0.0202 (JD)				
7/19/2016		<0.3			
7/20/2016				<0.3	
7/21/2016			<0.3		<0.3
7/27/2016	0.08 (JD)				
9/15/2016		<0.3		<0.3	
9/19/2016			<0.3		
9/21/2016					<0.3
11/2/2016		0.04 (J)			
11/3/2016			0.11 (J)	0.05 (J)	0.12 (J)
1/17/2017			0.02 (J)		0.01 (J)
1/18/2017		0.03 (J)		0.02 (J)	
2/21/2017	0.17 (JD)				
3/24/2017			<0.3	<0.3	
3/27/2017	0.09 (JD)				<0.3
3/28/2017		0.06 (J)			
5/24/2017			<0.3		
6/6/2017				<0.3	<0.3
6/7/2017		0.06 (J)			
6/8/2017	0.05 (JD)				
7/17/2017	0.05 (JD)				
7/27/2017	0.08 (JD)				
8/9/2017	<0.3 (*)				
9/25/2017				<0.3	<0.3
9/26/2017		0.04 (J)	<0.3		
9/29/2017	0.04 (JD)				
3/14/2018		0.14 (J)	0.055 (J)	<0.3	<0.3
3/16/2018	0.27 (J)				
9/12/2018		<0.3	<0.3	<0.3	<0.3
9/14/2018	0.1 (J)				
3/13/2019			0.045 (X)		
3/14/2019	0.066 (X)			0.039 (X)	0.04 (X)
3/15/2019		<0.3			
9/9/2019		0.054 (X)	<0.3		
9/10/2019	0.055 (X)			<0.3	<0.3
3/6/2020				<0.3	
3/9/2020	<0.3	<0.3	<0.3		<0.3
9/10/2020		<0.3		<0.3	<0.3
9/11/2020			<0.3		
9/16/2020	<0.3				

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	0.0296 (J)	0.0329 (J)	0.0141 (J)		
3/16/2016				0.00218 (J)	<0.3
5/13/2016		0.0459 (J)	0.0141 (J)		
5/16/2016	0.0287 (J)			0.0415 (J)	<0.3
7/19/2016		<0.3	<0.3		
7/22/2016	0.04 (J)				
7/25/2016				0.14 (J)	0.02 (J)
9/16/2016		<0.3	<0.3		
9/19/2016	<0.3			<0.3	<0.3
11/2/2016		0.04 (J)	0.04 (J)		
11/3/2016	0.04 (J)			0.06 (J)	
11/4/2016					0.04 (J)
1/17/2017	0.02 (J)				
1/18/2017		<0.3	0.02 (J)		
1/19/2017				0.009 (J)	
1/23/2017					0.006 (J)
3/27/2017	<0.3				
3/28/2017		<0.3	<0.3	0.04 (J)	
3/29/2017					<0.3
6/5/2017				0.06 (J)	
6/6/2017		<0.3	<0.3		
6/7/2017	<0.3				<0.3
7/20/2017				0.21 (J)	
9/22/2017		<0.3	<0.3		
9/26/2017	<0.3			0.14 (J)	
9/27/2017					<0.3
3/14/2018	0.06 (J)	<0.3			
3/15/2018			<0.3	0.11 (J)	<0.3
9/12/2018		<0.3	<0.3	0.062 (J)	
9/13/2018					<0.3
9/14/2018	<0.3				
3/13/2019		<0.3	0.036 (X)		
3/14/2019	0.058 (X)			0.13 (X)	<0.3
9/10/2019	<0.3				
9/11/2019		<0.3	<0.3	<0.3	<0.3
3/6/2020	<0.3				
3/9/2020		<0.3	<0.3		
3/10/2020				0.13 (J)	<0.3
9/10/2020	<0.3				
9/11/2020		<0.3			<0.3
9/14/2020			<0.3		
9/15/2020				<0.3	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		0.00697 (J)	0.00337 (J)	0.00202 (J)	0.00797 (J)
3/16/2016	0.00244 (J)				
5/16/2016	0.0161 (J)				
5/17/2016		0.0281 (J)			0.0156 (J)
5/18/2016			0.059 (J)	0.065 (J)	
7/25/2016	0.14 (J)				
7/26/2016		<0.3			
7/27/2016			0.1 (J)	0.09 (J)	<0.3
9/19/2016	<0.3				
9/20/2016		<0.3	0.04 (J)	<0.3	0.03 (J)
11/3/2016	0.08 (J)				
11/4/2016		0.05 (J)		0.04 (J)	0.06 (J)
11/7/2016			0.1 (J)		
1/20/2017	0.01 (J)	0.01 (J)		0.009 (J)	
1/23/2017			0.13 (J)		0.02 (J)
3/28/2017		<0.3			<0.3
3/29/2017	<0.3		0.04 (J)	<0.3	
6/7/2017	<0.3	<0.3			
6/8/2017			0.05 (J)	<0.3 (*)	0.06 (J)
9/27/2017	<0.3		0.04 (J)	<0.3	
9/29/2017		<0.3			<0.3
3/15/2018	<0.3	<0.3	<0.3		<0.3
3/16/2018				0.13 (J)	
9/13/2018	<0.3	<0.3	0.047 (J)	<0.3	<0.3
3/14/2019	0.039 (X)				
3/15/2019			<0.3		<0.3
3/18/2019		<0.3			
3/19/2019				<0.3	
9/11/2019	<0.3	<0.3		<0.3	<0.3
9/12/2019			<0.3		
3/9/2020			<0.3	<0.3	<0.3
3/10/2020	<0.3	<0.3			
9/11/2020	<0.3				
9/14/2020		<0.3	<0.3		<0.3
9/15/2020				<0.3	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.3	0 (J)
5/18/2016	0.022 (J)	0.015 (J)
7/27/2016	0.07 (J)	
7/28/2016		0.08 (J)
9/21/2016	<0.3	<0.3
11/4/2016	0.03 (J)	
11/7/2016		<0.3
1/24/2017	<0.3	<0.3
3/29/2017	<0.3	
3/30/2017		<0.3
6/8/2017	<0.3 (*)	
6/9/2017		<0.3
9/29/2017	<0.3	<0.3
3/15/2018	<0.3	<0.3
9/13/2018	<0.3	
9/14/2018		<0.3
3/18/2019	<0.3	
3/19/2019		<0.3
9/11/2019	<0.3	<0.3
3/9/2020		<0.3
3/11/2020	<0.3	
9/11/2020	<0.3	
9/14/2020		<0.3

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.005			
3/15/2016			<0.005	<0.005	<0.005
5/11/2016		<0.005	<0.005		
5/12/2016				<0.005	
5/13/2016					<0.005
5/16/2016	<0.005 (D)				
7/19/2016		<0.005			
7/20/2016				<0.005	
7/21/2016			<0.005		0.0001 (J)
7/27/2016	0.0011 (JD)				
9/15/2016		<0.005	<0.005	<0.005	
9/21/2016					<0.005
11/2/2016		<0.005			
11/3/2016			<0.005	<0.005	<0.005
1/17/2017			<0.005		<0.005
1/18/2017		<0.005		<0.005	
2/21/2017	<0.005				
3/24/2017			<0.005 (*)	<0.005	
3/27/2017	<0.005 (D)				<0.005
3/28/2017		<0.005 (*)			
5/24/2017			0.0001 (J)		
6/6/2017				<0.005	<0.005
6/7/2017		8E-05 (J)			
6/8/2017	<0.005 (D)				
7/17/2017	<0.005 (D)				
7/27/2017	0.0001 (J)				
8/9/2017	<0.005				
9/25/2017				<0.005	0.0001 (J)
9/26/2017		0.0002 (J)	0.0001 (J)		
9/29/2017	<0.005 (D)				
3/14/2018		<0.005	0.00046 (J)	<0.005	0.00031 (J)
3/16/2018	<0.005				
9/12/2018		<0.005	<0.005	<0.005	<0.005
9/14/2018	<0.005				
3/13/2019			<0.005		
3/14/2019	<0.005			<0.005	0.00031 (J)
3/15/2019		<0.005			
9/9/2019		<0.005	<0.005		
9/10/2019				<0.005 (D)	<0.005
3/6/2020				9.1E-05 (J)	
3/9/2020	0.00027 (J)	5.5E-05 (J)	9.5E-05 (J)		4.9E-05 (J)
9/10/2020		<0.005		<0.005	<0.005
9/11/2020			<0.005		
9/16/2020	0.0005 (J)				

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.005	<0.005	<0.005		
3/16/2016				<0.005	<0.005
5/13/2016		<0.005	<0.005		
5/16/2016	<0.005			<0.005	<0.005
7/19/2016		<0.005	<0.005		
7/22/2016	0.0001 (J)				
7/25/2016				0.0003 (J)	0.0002 (J)
9/16/2016		<0.005	<0.005		
9/19/2016	0.0002 (J)			0.0002 (J)	0.0004 (J)
11/2/2016		<0.005	<0.005		
11/3/2016	<0.005			0.0002 (J)	
11/4/2016					0.0002 (J)
1/17/2017	<0.005				
1/18/2017		<0.005	<0.005		
1/19/2017				0.0003 (J)	
1/23/2017					0.0001 (J)
3/27/2017	<0.005				
3/28/2017		<0.005	<0.005	<0.005 (*)	
3/29/2017					0.0001 (J)
6/5/2017				0.0007 (J)	
6/6/2017		7E-05 (J)	0.0001 (J)		
6/7/2017	<0.005				0.0001 (J)
9/22/2017		8E-05 (J)	7E-05 (J)		
9/26/2017	<0.005			0.0004 (J)	
9/27/2017					0.0003 (J)
3/14/2018	<0.005	<0.005			
3/15/2018			0.0038 (J)	0.00064 (J)	<0.005
9/12/2018		<0.005	<0.005	0.00037 (J)	
9/13/2018					<0.005
9/14/2018	<0.005				
3/13/2019		<0.005	<0.005		
3/14/2019	<0.005			0.00077 (J)	<0.005
9/10/2019	<0.005				
9/11/2019		0.0001 (J)	9.2E-05 (J)	0.00047 (J)	0.00016 (J)
3/6/2020	0.00011 (J)				
3/9/2020		9.1E-05 (J)	9.6E-05 (J)		
3/10/2020				0.00066 (J)	0.00014 (J)
9/10/2020	<0.005				
9/11/2020		4.6E-05 (J)			0.00012 (J)
9/14/2020			6.6E-05 (J)		
9/15/2020				0.00045 (J)	

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.005	<0.005	<0.005	<0.005
3/16/2016	<0.005				
5/16/2016	<0.005				
5/17/2016		<0.005			<0.005
5/18/2016			<0.005	<0.005	
7/25/2016	0.0001 (J)				
7/26/2016		<0.005			
7/27/2016			9E-05 (J)	9E-05 (J)	<0.005
9/19/2016	<0.005				
9/20/2016		<0.005	0.0003 (J)	0.0001 (J)	0.0002 (J)
11/3/2016	<0.005				
11/4/2016		<0.005		<0.005	<0.005
11/7/2016			<0.005		
1/20/2017	<0.005	<0.005		<0.005	
1/23/2017			<0.005		<0.005
3/28/2017		<0.005			<0.005 (*)
3/29/2017	0.0001 (J)		<0.005	<0.005	
6/7/2017	8E-05 (J)	<0.005			
6/8/2017			0.0001 (J)	<0.005	<0.005
9/27/2017	9E-05 (J)		<0.005	<0.005	
9/29/2017		<0.005			<0.005
3/15/2018	<0.005	<0.005	<0.005		<0.005
3/16/2018				<0.005	
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2019	<0.005				
3/15/2019			<0.005		<0.005
3/18/2019		<0.005			
3/19/2019				<0.005	
9/11/2019	<0.005	<0.005		8.5E-05 (J)	0.002529 (D)
9/12/2019			<0.005		
3/9/2020			5.8E-05 (J)	8E-05 (J)	<0.005
3/10/2020	<0.005	<0.005			
9/11/2020	<0.005				
9/14/2020		<0.005	<0.005		<0.005
9/15/2020				<0.005	

Time Series

Constituent: Lead (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.005	<0.005
5/18/2016	<0.005	<0.005
7/27/2016	<0.005	
7/28/2016		0.0002 (J)
9/21/2016	<0.005	<0.005 (*)
11/4/2016	<0.005	
11/7/2016		<0.005
1/24/2017	<0.005	0.0002 (J)
3/29/2017	<0.005	
3/30/2017		<0.005
6/8/2017	<0.005	
6/9/2017		<0.005
9/29/2017	<0.005	<0.005
3/15/2018	<0.005	<0.005
9/13/2018	<0.005	
9/14/2018		<0.005
3/18/2019	<0.005	
3/19/2019		<0.005
9/11/2019	<0.005	8.2E-05 (J)
3/9/2020		0.00017 (J)
3/11/2020	<0.005	
9/11/2020	<0.005	
9/14/2020		7.8E-05 (J)

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.0005			
3/15/2016			<0.0005	<0.0005	<0.0005
5/11/2016		<0.0005	<0.0005		
5/12/2016				<0.0005	
5/13/2016					<0.0005
5/16/2016	<0.0005 (D)				
7/19/2016		<0.0005			
7/20/2016				<0.0005	
7/21/2016			<0.0005		<0.0005
7/27/2016	<0.0005 (D)				
9/15/2016		<0.0005	<0.0005	<0.0005	
9/21/2016					<0.0005
11/2/2016		<0.0005			
11/3/2016			<0.0005	<0.0005	<0.0005
1/17/2017			<0.0005		<0.0005
1/18/2017		<0.0005		<0.0005	
2/21/2017	<0.0005				
3/24/2017			<0.0005	<0.0005	
3/27/2017	<0.0005 (D)				<0.0005
3/28/2017		<0.0005			
5/24/2017			<0.0005		
6/6/2017				<0.0005	<0.0005
6/7/2017		<0.0005			
6/8/2017	<0.0005 (D)				
7/17/2017	<0.0005 (D)				
7/27/2017	<0.0005				
8/9/2017	<0.0005				
9/25/2017				<0.0005	<0.0005
9/26/2017		<0.0005	<0.0005		
9/29/2017	<0.0005 (D)				
3/14/2018		<0.0005	<0.0005	<0.0005	<0.0005
3/16/2018	<0.0005				
9/12/2018		<0.0005	3.8E-05 (J)	<0.0005	<0.0005
9/14/2018	4.1E-05 (J)				
3/13/2019			<0.0005		
3/14/2019	<0.0005			<0.0005	<0.0005
3/15/2019		<0.0005			
9/9/2019		<0.0005	<0.0005		
9/10/2019				<0.0005 (D)	<0.0005
3/6/2020				<0.0005	
3/9/2020	<0.0005	<0.0005	<0.0005		<0.0005
9/10/2020		<0.0005		<0.0005	<0.0005
9/11/2020			<0.0005		
9/16/2020	<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.0005	<0.0005	<0.0005		
3/16/2016				<0.0005	<0.0005
5/13/2016		<0.0005	<0.0005		
5/16/2016	<0.0005			<0.0005	<0.0005
7/19/2016		<0.0005	<0.0005		
7/22/2016	<0.0005				
7/25/2016				<0.0005	<0.0005
9/16/2016		<0.0005	<0.0005		
9/19/2016	<0.0005			<0.0005	<0.0005
11/2/2016		<0.0005	<0.0005		
11/3/2016	<0.0005			<0.0005	
11/4/2016					<0.0005
1/17/2017	<0.0005				
1/18/2017		<0.0005	<0.0005		
1/19/2017				<0.0005	
1/23/2017					<0.0005
3/27/2017	<0.0005				
3/28/2017		<0.0005	<0.0005	<0.0005	
3/29/2017					<0.0005 (*)
6/5/2017				<0.0005	
6/6/2017		<0.0005	<0.0005		
6/7/2017	<0.0005				<0.0005
9/22/2017		<0.0005	<0.0005		
9/26/2017	<0.0005			<0.0005	
9/27/2017					<0.0005
3/14/2018	<0.0005	<0.0005			
3/15/2018			<0.0005	<0.0005	<0.0005
9/12/2018		<0.0005	3.9E-05 (J)	<0.0005	
9/13/2018					<0.0005
9/14/2018	3.8E-05 (J)				
3/13/2019		<0.0005	<0.0005		
3/14/2019	<0.0005			<0.0005	<0.0005
9/10/2019	<0.0005				
9/11/2019		<0.0005	<0.0005	<0.0005	<0.0005
3/6/2020	<0.0005				
3/9/2020		<0.0005	<0.0005		
3/10/2020				<0.0005	<0.0005
9/10/2020	<0.0005				
9/11/2020		<0.0005			<0.0005
9/14/2020			<0.0005		
9/15/2020				<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.0005	<0.0005	<0.0005	<0.0005
3/16/2016	<0.0005				
5/16/2016	<0.0005				
5/17/2016		<0.0005			<0.0005
5/18/2016			<0.0005	<0.0005	
7/25/2016	<0.0005				
7/26/2016		<0.0005			
7/27/2016			<0.0005	<0.0005	<0.0005
9/19/2016	<0.0005				
9/20/2016		<0.0005	<0.0005	<0.0005	<0.0005
11/3/2016	<0.0005				
11/4/2016		<0.0005		<0.0005	<0.0005
11/7/2016			<0.0005		
1/20/2017	<0.0005	<0.0005		<0.0005	
1/23/2017			<0.0005		<0.0005
3/28/2017		<0.0005			<0.0005
3/29/2017	<0.0005 (*)		<0.0005 (*)	<0.0005 (*)	
6/7/2017	<0.0005	<0.0005			
6/8/2017			<0.0005	<0.0005	<0.0005
9/27/2017	<0.0005		<0.0005	<0.0005	
9/29/2017		<0.0005			<0.0005
3/15/2018	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2018				<0.0005	
9/13/2018	<0.0005	<0.0005	<0.0005	<0.0005	6.2E-05 (J)
3/14/2019	<0.0005				
3/15/2019			<0.0005		<0.0005
3/18/2019		<0.0005			
3/19/2019				5E-05 (J)	
9/11/2019	<0.0005	<0.0005		<0.0005	<0.0005 (D)
9/12/2019			<0.0005		
3/9/2020			<0.0005	<0.0005	<0.0005
3/10/2020	<0.0005	<0.0005			
9/11/2020	<0.0005				
9/14/2020		<0.0005	<0.0005		0.00015 (J)
9/15/2020				<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.0005	<0.0005
5/18/2016	<0.0005	<0.0005
7/27/2016	<0.0005	
7/28/2016		<0.0005
9/21/2016	<0.0005	<0.0005
11/4/2016	<0.0005	
11/7/2016		<0.0005
1/24/2017	5E-05 (J)	5E-05 (J)
3/29/2017	<0.0005 (*)	
3/30/2017		<0.0005 (*)
6/8/2017	<0.0005	
6/9/2017		<0.0005
9/29/2017	4E-05 (J)	<0.0005
3/15/2018	<0.0005	<0.0005
9/13/2018	<0.0005	
9/14/2018		<0.0005
3/18/2019	<0.0005	
3/19/2019		4.5E-05 (J)
9/11/2019	<0.0005	<0.0005
3/9/2020		<0.0005
3/11/2020	<0.0005	
9/11/2020	<0.0005	
9/14/2020		<0.0005

Time Series

Constituent: Nickel (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		0.00544 (J)			
3/15/2016			<0.01	<0.01	<0.01
5/11/2016		0.0149	<0.01		
5/12/2016				<0.01	
5/13/2016					<0.01
5/16/2016	0.0136 (D)				
7/19/2016		0.0044 (J)			
7/20/2016				0.0006 (J)	
7/21/2016			<0.01		0.0009 (J)
7/27/2016	0.0224 (D)				
9/15/2016		0.0047 (J)	<0.01	0.0009 (J)	
9/21/2016					<0.01
11/2/2016		0.0025 (J)			
11/3/2016			<0.01	0.0011 (J)	<0.01
1/17/2017			<0.01		<0.01
1/18/2017		0.004 (J)		0.0007 (J)	
2/21/2017	0.0007 (J)				
3/24/2017			<0.01 (*)	<0.01 (*)	
3/27/2017	<0.01 (D)				<0.01 (*)
3/28/2017		0.0034 (J)			
9/25/2017				<0.01	0.0012 (J)
9/26/2017		0.0016 (J)	<0.01		
9/29/2017	<0.01 (D)				
3/14/2018		<0.01	<0.01	<0.01	0.0014 (J)
3/16/2018	<0.01				
9/12/2018		<0.01	<0.01	<0.01	0.0011 (J)
9/14/2018	<0.01				
3/13/2019			<0.01		
3/14/2019	0.0017 (J)			<0.01	0.001 (J)
3/15/2019		<0.01			
9/9/2019		0.0014 (J)	<0.01		
9/10/2019				0.0004 (JD)	0.00084 (J)
3/6/2020				0.0089 (J)	
3/9/2020	0.00083 (J)	0.04	<0.01		0.00036 (J)
9/10/2020		<0.01		<0.01	<0.01
9/11/2020			<0.01		
9/16/2020	<0.01				

Time Series

Constituent: Nickel (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.01	0.00288 (J)	<0.01		
3/16/2016				<0.01	<0.01
5/13/2016		<0.01	<0.01		
5/16/2016	0.00233 (J)			<0.01	0.00316 (J)
7/19/2016		0.0006 (J)	<0.01		
7/22/2016	0.0014 (J)				
7/25/2016				0.0006 (J)	0.0013 (J)
9/16/2016		0.0008 (J)	<0.01		
9/19/2016	0.0014 (J)			0.0008 (J)	0.0013 (J)
11/2/2016		0.0007 (J)	<0.01		
11/3/2016	0.0013 (J)			0.0007 (J)	
11/4/2016					0.0015 (J)
1/17/2017	0.0011 (J)				
1/18/2017		0.0006 (J)	0.0006 (J)		
1/19/2017				0.0009 (J)	
1/23/2017					0.0015 (J)
3/27/2017	<0.01 (*)				
3/28/2017		<0.01 (*)	<0.01 (*)	<0.01 (*)	
3/29/2017					0.0012 (J)
9/22/2017		0.0007 (J)	<0.01		
9/26/2017	0.0011 (J)			0.0007 (J)	
9/27/2017					0.0014 (J)
3/14/2018	0.0012 (J)	<0.01			
3/15/2018			<0.01	<0.01	0.0011 (J)
9/12/2018		<0.01	<0.01	<0.01	
9/13/2018					0.001 (J)
9/14/2018	0.0012 (J)				
3/13/2019		<0.01	<0.01		
3/14/2019	0.0015 (J)			<0.01	0.001 (J)
9/10/2019	0.0012 (J)				
9/11/2019		0.00082 (J)	<0.01	0.00058 (J)	0.0012 (J)
3/6/2020	0.0015 (J)				
3/9/2020		0.00082 (J)	<0.01		
3/10/2020				0.00086 (J)	0.0012 (J)
9/10/2020	0.0011 (J)				
9/11/2020		0.00089 (J)			0.00099 (J)
9/14/2020			<0.01		
9/15/2020				<0.01	

Time Series

Constituent: Nickel (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.01	<0.01	<0.01	0.00235 (J)
3/16/2016	<0.01				
5/16/2016	<0.01				
5/17/2016		<0.01			0.00489 (J)
5/18/2016			<0.01	<0.01	
7/25/2016	<0.01				
7/26/2016		<0.01			
7/27/2016			<0.01	0.0007 (J)	0.0036 (J)
9/19/2016	<0.01				
9/20/2016		0.0013 (J)	<0.01	0.0007 (J)	0.0035 (J)
11/3/2016	<0.01				
11/4/2016		<0.01		0.0006 (J)	0.0035 (J)
11/7/2016			<0.01		
1/20/2017	<0.01	<0.01		<0.01	
1/23/2017			<0.01		<0.01
3/28/2017		<0.01			0.0033 (J)
3/29/2017	<0.01		0.0004 (J)	0.0003 (J)	
9/27/2017	<0.01		<0.01	<0.01	
9/29/2017		<0.01			0.0036 (J)
3/15/2018	<0.01	<0.01	<0.01		0.0033 (J)
3/16/2018				<0.01	
9/13/2018	<0.01	<0.01	<0.01	<0.01	0.0038 (J)
3/14/2019	<0.01				
3/15/2019			<0.01		0.0033 (J)
3/18/2019		<0.01			
3/19/2019				0.0042 (J)	
9/11/2019	<0.01	<0.01		0.0014 (J)	0.00405 (JD)
9/12/2019			<0.01		
3/9/2020			<0.01	<0.01	0.0039 (J)
3/10/2020	<0.01	<0.01			
9/11/2020	<0.01				
9/14/2020		<0.01	<0.01		0.0046 (J)
9/15/2020				<0.01	

Time Series

Constituent: Nickel (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.01	0.00778 (J)
5/18/2016	<0.01	<0.01
7/27/2016	<0.01	
7/28/2016		0.0024 (J)
9/21/2016	<0.01	0.0044 (J)
11/4/2016	<0.01	
11/7/2016		0.0035 (J)
1/24/2017	<0.01	0.005 (J)
3/29/2017	<0.01	
3/30/2017		0.0046 (J)
9/29/2017	<0.01	0.004 (J)
3/15/2018	<0.01	0.0028 (J)
9/13/2018	<0.01	
9/14/2018		0.0024 (J)
3/18/2019	<0.01	
3/19/2019		0.0047 (J)
9/11/2019	<0.01	0.0012 (J)
3/9/2020		0.003 (J)
3/11/2020	0.0004 (J)	
9/11/2020	<0.01	
9/14/2020		0.0014 (J)

Time Series

Constituent: pH (SU) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		6.91			
3/15/2016			7.58	6.74	7.15
5/11/2016		6.51	7.24		
5/12/2016				6.41	
5/13/2016					7.29
5/16/2016	7.61 (D)				
7/19/2016		6.12			
7/20/2016				6.59	
7/21/2016			7.53		7.43
7/27/2016	7.51 (D)				
9/15/2016		5.96	7		
9/19/2016			7.19		
9/21/2016					7.05
11/2/2016		5.78			
11/3/2016			7.13	6.45	7.4
1/17/2017			7.51		7.06
1/18/2017		6.13		6.34	
2/21/2017	7.76 (D)				
3/24/2017			7.55	6.42	
3/27/2017	7.7 (D)				7.13
3/28/2017		6.59			
5/24/2017			7.6		
6/6/2017				6.82	7.18
6/7/2017		6.72			
6/8/2017	7.69 (D)				
7/17/2017	7.57 (D)				
7/26/2017	7.63				
7/27/2017	7.63				
8/8/2017	7.73				
8/9/2017	7.73				
9/25/2017				6.63	6.88
9/26/2017		7.05	7.66		
9/29/2017	7.7 (D)				
12/28/2017		6.79 (Y)	7.34 (Y)		
3/14/2018		7.42	7.56	7.08	7.04
3/16/2018	7.49				
9/12/2018		6.86	7.12	6.54	7.02
9/14/2018	7.32				
3/13/2019			7.12		
3/14/2019	7.46			6.58	6.93
3/15/2019		6.78			
9/9/2019		6.49	7.07		
9/10/2019	7.48			5.66	6.72
3/6/2020				6.82	
3/9/2020	7.68	5.9	7.5		6.7
9/10/2020		5.53		6.4	6.67
9/11/2020			6.98		
9/16/2020	7.68				

Time Series

Constituent: pH (SU) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	7.37	6.43	7.89		
3/16/2016				4.49	5.1
5/13/2016		6.8	7.86		
5/16/2016	7.55			4.55	5.15
7/19/2016		6.42	7.83		
7/22/2016	7.51				
7/25/2016				4.63	5.13
9/16/2016		6.19	7.75		
9/19/2016	7.52			4.65	5
11/2/2016		6.36	7.77		
11/3/2016	7.56			4.69	
11/4/2016					5.02
1/17/2017	7.59				
1/18/2017		6.16	7.65		
1/19/2017				4.58	
1/23/2017					4.9
3/27/2017	7.63				
3/28/2017		5.8	7.79	4.45	
3/29/2017					5.08
6/5/2017				4.33	
6/6/2017		5.97	7.89		
6/7/2017	7.55				5.06
7/20/2017				4.38	
9/22/2017		5.77	7.8		
9/26/2017	7.59			4.51	
9/27/2017					4.92
12/28/2017			7.78 (Y)		
12/29/2017					5.08 (Y)
3/14/2018	7.6	5.85			
3/15/2018			7.66	4.34	4.6
9/12/2018		5.65	7.75	4.49	
9/13/2018					5.26
9/14/2018	7.37				
3/13/2019		5.63	7.84		
3/14/2019	7.57			4.41	5.01
9/10/2019	7.53				
9/11/2019		5.53	7.75	4.36	4.93
3/6/2020	7.42				
3/9/2020		5.5	7.73		
3/10/2020				4.44	4.98
9/10/2020	7.48				
9/11/2020		6.25			4.91
9/14/2020			7.76		
9/15/2020				4.46	
12/15/2020					4.92

Time Series

Constituent: pH (SU) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		7.39	7.56	8.08	5.66
3/16/2016	7.22				
5/16/2016	7.34				
5/17/2016		7.32			5.11
5/18/2016			7.58	7.91	
7/25/2016	7.38				
7/26/2016		7.32			
7/27/2016			7.58	7.83	5.17
9/19/2016	7.37				
9/20/2016		7.3	7.68	7.69	5.12
11/3/2016	7.52				
11/4/2016		7.38		7.75	5.03
11/7/2016			7.7		
1/20/2017	7.3	7.29		7.6	
1/23/2017			7.61		5.1
3/28/2017		7.21			5.03
3/29/2017	7.29		7.57	7.63	
6/7/2017	7.43	7.47			
6/8/2017			7.48	7.64	4.77
9/27/2017	7.2		7.55	7.62	
9/29/2017		7.42			5.06
12/28/2017			7.59 (Y)		5.07 (Y)
3/15/2018	6.87	7.22	7.42		5.14
3/16/2018				7.72	
9/13/2018	7.31	7.52	7.49	7.68	5.02
3/14/2019	7.14				
3/15/2019			7.45		5.28
3/18/2019		7.39			
3/19/2019				7.93	
9/11/2019	7.2	7.36		7.55	4.93
9/12/2019			7.48		
3/9/2020			7.19	7.51	5.18
3/10/2020	7.05	7.44			
9/11/2020	7.26				
9/14/2020		7.43	7.54		5
9/15/2020				7.64	

Time Series

Constituent: pH (SU) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	7.82	6.4
5/18/2016	7.85	6.17
7/27/2016	7.87	
7/28/2016		5.85
9/21/2016	7.8	5.61
11/4/2016	7.89	
11/7/2016		5.71
1/24/2017	7.97	5.58
3/29/2017	7.71	
3/30/2017		5.44
6/8/2017	7.86	
6/9/2017		5.11
9/29/2017	7.72	5.51
12/28/2017	7.71 (Y)	
1/10/2018		5.51 (Y)
3/15/2018	7.51	5.12
9/13/2018	8.02	
9/14/2018		5.38
3/18/2019	7.89	
3/19/2019		5.6
9/11/2019	8.22	5.35
3/9/2020		5.6
3/11/2020	8.19	
9/11/2020	8	
9/14/2020		5.32

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.01			
3/15/2016			<0.01	<0.01	<0.01
5/11/2016		<0.01	<0.01		
5/12/2016				<0.01	
5/13/2016					<0.01
5/16/2016	<0.01 (D)				
7/19/2016		<0.01			
7/20/2016				<0.01	
7/21/2016			<0.01		<0.01
7/27/2016	<0.01 (D)				
9/15/2016		<0.01	<0.01	<0.01	
9/21/2016					<0.01
11/2/2016		<0.01			
11/3/2016			<0.01	<0.01	<0.01
1/17/2017			<0.01		<0.01
1/18/2017		<0.01		<0.01	
2/21/2017	<0.01				
3/24/2017			<0.01	<0.01	
3/27/2017	<0.01 (D)				<0.01
3/28/2017		<0.01			
5/24/2017			<0.01		
6/6/2017				<0.01	<0.01
6/7/2017		<0.01			
6/8/2017	<0.01 (D)				
7/17/2017	<0.01 (D)				
7/27/2017	<0.01				
8/9/2017	<0.01				
9/25/2017				<0.01	<0.01
9/26/2017		<0.01	<0.01		
9/29/2017	<0.01 (D)				
3/14/2018		<0.01	<0.01	<0.01	<0.01
3/16/2018	<0.01				
9/12/2018		<0.01	<0.01	<0.01	<0.01
9/14/2018	<0.01				
3/13/2019			<0.01		
3/14/2019	<0.01			<0.01	<0.01
3/15/2019		<0.01			
9/9/2019		<0.01	<0.01		
9/10/2019				<0.01 (D)	<0.01
3/6/2020				<0.01	
3/9/2020	<0.01	<0.01	<0.01		<0.01
9/10/2020		<0.01		<0.01	<0.01
9/11/2020			<0.01		
9/16/2020	<0.01				

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.01	0.00236 (J)	<0.01		
3/16/2016				0.002 (J)	<0.01
5/13/2016		<0.01	<0.01		
5/16/2016	<0.01			0.0021 (J)	<0.01
7/19/2016		<0.01	<0.01		
7/22/2016	<0.01				
7/25/2016				<0.01	<0.01
9/16/2016		<0.01	<0.01		
9/19/2016	<0.01			<0.01	<0.01
11/2/2016		<0.01	<0.01		
11/3/2016	<0.01			<0.01	
11/4/2016					<0.01
1/17/2017	<0.01				
1/18/2017		<0.01	<0.01		
1/19/2017				<0.01	
1/23/2017					<0.01
3/27/2017	<0.01				
3/28/2017		<0.01	<0.01	0.0033 (J)	
3/29/2017					<0.01
6/5/2017				0.0068 (J)	
6/6/2017		<0.01	<0.01		
6/7/2017	<0.01				<0.01
9/22/2017		<0.01	<0.01		
9/26/2017	<0.01			0.0037 (J)	
3/14/2018	<0.01	<0.01			
3/15/2018			<0.01	0.0031 (J)	<0.01
9/12/2018		<0.01	<0.01	<0.01	
9/13/2018					<0.01
9/14/2018	<0.01				
3/13/2019		<0.01	<0.01		
3/14/2019	<0.01			0.0042 (J)	<0.01
9/10/2019	<0.01				
9/11/2019		<0.01	<0.01	0.0021 (J)	<0.01
3/6/2020	<0.01				
3/9/2020		<0.01	<0.01		
3/10/2020				0.0063 (J)	<0.01
9/10/2020	<0.01				
9/11/2020		<0.01			<0.01
9/14/2020			<0.01		
9/15/2020				<0.01	

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.01	<0.01	<0.01	<0.01
3/16/2016	<0.01				
5/16/2016	<0.01				
5/17/2016		<0.01			<0.01
5/18/2016			<0.01	<0.01	
7/25/2016	<0.01				
7/26/2016		0.0009 (J)			
7/27/2016			<0.01	<0.01	0.0009 (J)
9/19/2016	<0.01				
9/20/2016		<0.01	<0.01	<0.01	<0.01
11/3/2016	<0.01				
11/4/2016		<0.01		<0.01	<0.01
11/7/2016			<0.01		
1/20/2017	<0.01	<0.01		<0.01	
1/23/2017			<0.01		<0.01
3/28/2017		<0.01			<0.01
3/29/2017	<0.01		<0.01	<0.01	
6/7/2017	<0.01	<0.01			
6/8/2017			<0.01	<0.01	<0.01
9/29/2017		<0.01			<0.01
3/15/2018	<0.01	<0.01	<0.01		<0.01
3/16/2018				<0.01	
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01
3/14/2019	<0.01				
3/15/2019			<0.01		<0.01
3/18/2019		<0.01			
3/19/2019				<0.01	
9/11/2019	<0.01	<0.01		<0.01	<0.01 (D)
9/12/2019			<0.01		
3/9/2020			<0.01	<0.01	<0.01
3/10/2020	<0.01	<0.01			
9/11/2020	<0.01				
9/14/2020		<0.01	<0.01		<0.01
9/15/2020				<0.01	

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.01	<0.01
5/18/2016	<0.01	<0.01
7/27/2016	<0.01	
7/28/2016		<0.01
9/21/2016	<0.01	<0.01
11/4/2016	<0.01	
11/7/2016		<0.01
1/24/2017	<0.01	<0.01
3/29/2017	<0.01	
3/30/2017		<0.01
6/8/2017	<0.01	
6/9/2017		<0.01
9/29/2017	<0.01	<0.01
3/15/2018	<0.01	<0.01
9/13/2018	<0.01	
9/14/2018		<0.01
3/18/2019	<0.01	
3/19/2019		<0.01
9/11/2019	<0.01	<0.01
3/9/2020		<0.01
3/11/2020	<0.01	
9/11/2020	<0.01	
9/14/2020		<0.01

Time Series

Constituent: Silver (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.01			
3/15/2016			<0.01	<0.01	<0.01
5/11/2016		<0.01	<0.01		
5/12/2016				<0.01	
5/13/2016					<0.01
5/16/2016	<0.01 (D)				
7/19/2016		<0.01			
7/20/2016				<0.01	
7/21/2016			<0.01		<0.01
7/27/2016	0.0012 (JD)				
9/15/2016		<0.01	<0.01	<0.01	
9/21/2016					<0.01
11/2/2016		<0.01			
11/3/2016			<0.01	<0.01	<0.01
1/17/2017			<0.01		<0.01
1/18/2017		<0.01		<0.01	
2/21/2017	<0.01				
3/24/2017			<0.01	<0.01	
3/27/2017	<0.01 (D)				<0.01
3/28/2017		<0.01			
9/25/2017				<0.01	<0.01
9/26/2017		<0.01	<0.01		
9/29/2017	<0.01 (D)				
3/14/2018		<0.01	<0.01	<0.01	<0.01
3/16/2018	<0.01				
9/12/2018		<0.01	<0.01	<0.01	<0.01
9/14/2018	<0.01				
3/13/2019			<0.01		
3/14/2019	<0.01			<0.01	<0.01
3/15/2019		<0.01			
9/9/2019		<0.01	<0.01		
9/10/2019				<0.01 (D)	<0.01
3/6/2020				<0.01	
3/9/2020	<0.01	<0.01	<0.01		<0.01
9/10/2020		<0.01		<0.01	<0.01
9/11/2020			<0.01		
9/16/2020	<0.01				

Time Series

Constituent: Silver (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.01	<0.01	<0.01		
3/16/2016				<0.01	<0.01
5/13/2016		<0.01	<0.01		
5/16/2016	<0.01			<0.01	<0.01
7/19/2016		<0.01	<0.01		
7/22/2016	<0.01				
7/25/2016				<0.01	<0.01
9/16/2016		<0.01	<0.01		
9/19/2016	<0.01			<0.01	<0.01
11/2/2016		<0.01	<0.01		
11/3/2016	<0.01			<0.01	
11/4/2016					<0.01
1/17/2017	<0.01				
1/18/2017		<0.01	<0.01		
1/19/2017				<0.01	
1/23/2017					<0.01
3/27/2017	<0.01				
3/28/2017		<0.01	<0.01	<0.01	
3/29/2017					<0.01
9/22/2017		<0.01	<0.01		
9/26/2017	<0.01			<0.01	
9/27/2017					<0.01
3/14/2018	<0.01	<0.01			
3/15/2018			<0.01	<0.01	<0.01
9/12/2018		<0.01	<0.01	<0.01	
9/13/2018					<0.01
9/14/2018	<0.01				
3/13/2019		<0.01	<0.01		
3/14/2019	<0.01			<0.01	<0.01
9/10/2019	<0.01				
9/11/2019		<0.01	<0.01	<0.01	<0.01
3/6/2020	<0.01				
3/9/2020		<0.01	<0.01		
3/10/2020				<0.01	<0.01
9/10/2020	<0.01				
9/11/2020		<0.01			<0.01
9/14/2020			<0.01		
9/15/2020				<0.01	

Time Series

Constituent: Silver (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.01	<0.01	<0.01	<0.01
3/16/2016	<0.01				
5/16/2016	<0.01				
5/17/2016		<0.01			<0.01
5/18/2016			<0.01	<0.01	
7/25/2016	<0.01				
7/26/2016		<0.01			
7/27/2016			<0.01	<0.01	<0.01
9/19/2016	<0.01				
9/20/2016		<0.01	<0.01	<0.01	<0.01
11/3/2016	<0.01				
11/4/2016		<0.01		<0.01	<0.01
11/7/2016			<0.01		
1/20/2017	<0.01	<0.01		<0.01	
1/23/2017			<0.01		<0.01
3/28/2017		<0.01			<0.01
3/29/2017	<0.01		<0.01	<0.01	
9/27/2017	<0.01		<0.01	<0.01	
9/29/2017		<0.01			<0.01
3/15/2018	<0.01	<0.01	<0.01		<0.01
3/16/2018				<0.01	
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01
3/14/2019	<0.01				
3/15/2019			<0.01		<0.01
3/18/2019		<0.01			
3/19/2019				<0.01	
9/11/2019	<0.01	<0.01		<0.01	<0.01 (D)
9/12/2019			<0.01		
3/9/2020			<0.01	<0.01	<0.01
3/10/2020	<0.01	<0.01			
9/11/2020	<0.01				
9/14/2020		<0.01	<0.01		<0.01
9/15/2020				<0.01	

Time Series

Constituent: Silver (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.01	<0.01
5/18/2016	<0.01	<0.01
7/27/2016	<0.01	
7/28/2016		<0.01
9/21/2016	<0.01	<0.01
11/4/2016	<0.01	
11/7/2016		<0.01
1/24/2017	<0.01	<0.01
3/29/2017	<0.01	
3/30/2017		<0.01
9/29/2017	<0.01	<0.01
3/15/2018	<0.01	<0.01
9/13/2018	<0.01	
9/14/2018		<0.01
3/18/2019	<0.01	
3/19/2019		<0.01
9/11/2019	<0.01	<0.01
3/9/2020		<0.01
3/11/2020	<0.01	
9/11/2020	<0.01	
9/14/2020		<0.01

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		4.2598			
3/15/2016			1.2104	4.9347	6.4987
5/11/2016		6.05	1.28		
5/12/2016				2.3	
5/13/2016					3.68
5/16/2016	2.4 (D)				
7/19/2016		9.5			
7/20/2016				2	
7/21/2016			0.91 (J)		4.5
7/27/2016	3.6 (D)				
9/15/2016		6.7		1.1	
9/19/2016			1.3		
9/21/2016					2.8
11/2/2016		5.4			
11/3/2016			1.5	1.6	6.7
1/17/2017			<1 (*)		<1 (*)
1/18/2017		5.5		1.5	
2/21/2017	26 (D)				
3/24/2017			0.86 (J)	1.6	
3/27/2017	10 (D)				0.85 (J)
3/28/2017		2.9			
5/24/2017			1.2		
6/6/2017				4.1	6.1
6/7/2017		2.3			
6/8/2017	6.7 (D)				
7/17/2017	6.4 (D)				
7/27/2017	18 (D)				
8/9/2017	18 (D)				
9/25/2017				1.9	3.5
9/26/2017		3.2	4.2		
9/29/2017	21 (D)				
12/28/2017			7.4 (Y)		
3/14/2018		3.8	3.8	11.5	10.9 (J)
3/16/2018	15.5				
9/12/2018		3.7	1.7	1.8	3.7
9/14/2018	11.6				
3/13/2019			2.1		
3/14/2019	9.3			6.2	8.9
3/15/2019		3			
9/9/2019		2.4	1.6		
9/10/2019	14			1.2	8.4
3/6/2020				10	
3/9/2020	5.8	0.84 (J)	1.2		8.5
9/10/2020		0.95 (J)		1.7	5.9
9/11/2020			1.3		
9/16/2020	8.6				

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	1.4538	1.1313	3.8282		
3/16/2016				14.7828	0.00424 (J)
5/13/2016		1.96	3.56		
5/16/2016	1.18			10.2	0.5151 (J)
7/19/2016		1.3	5.6		
7/22/2016	1.8				
7/25/2016				8.4	<1 (*)
9/16/2016		1.1	6.7		
9/19/2016	1.4			2.5	0.72 (J)
11/2/2016		1.2	8.1		
11/3/2016	1.6			3.3	
11/4/2016					0.75 (J)
1/17/2017	<1 (*)				
1/18/2017		0.84 (J)	8.9		
1/19/2017				3.2	
1/23/2017					0.99 (J)
3/27/2017	2				
3/28/2017		0.7 (J)	8.2	16 (J)	
3/29/2017					1.5
6/5/2017				38	
6/6/2017		0.47 (J)	7		
6/7/2017	1.9				0.63 (J)
7/20/2017				48	
9/22/2017		0.59 (J)	8.3		
9/26/2017	2			18	
9/27/2017					1.2
3/14/2018	2.1	0.39 (J)			
3/15/2018			5.1	32.4	0.75 (J)
9/12/2018		0.3 (J)	5.6	16	
9/13/2018					1.3
9/14/2018	1.6				
3/13/2019		0.43 (X)	4.4		
3/14/2019	2.2			79.7 (O)	0.72 (X)
9/10/2019	1.2				
9/11/2019		<1	5	19.8	<1
3/6/2020	1.7				
3/9/2020		<1	3.9		
3/10/2020				48.5	0.61 (J)
9/10/2020	0.95 (J)				
9/11/2020		<1			<1
9/14/2020			4.9		
9/15/2020				23.1	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		5.7554	3.4409	9.1279	2.6569
3/16/2016	2.8721				
5/16/2016	2.27				
5/17/2016		8.67			2.39
5/18/2016			4.09	10.1	
7/25/2016	2.6				
7/26/2016		6.6			
7/27/2016			4	7	<1 (*)
9/19/2016	2.8				
9/20/2016		5.8	4.3	6.7	2.4
11/3/2016	2.6				
11/4/2016		6.1		7.9	2.1
11/7/2016			4.1		
1/20/2017	2.8	7		6.6	
1/23/2017			5.1		2.1
3/28/2017		7.7			2.1
3/29/2017	3.1		5.2	6.2	
6/7/2017	3.2	6.4			
6/8/2017			3.8	7.5	1.3
9/27/2017	2.5		4.3	7.5	
9/29/2017		8.4			3.7
12/28/2017					1.7 (Y)
3/15/2018	2.9	6.4	3.7		0.76 (J)
3/16/2018				13.4	
9/13/2018	2.3	7.2	4.8	11.6	1.6
3/14/2019	4.3				
3/15/2019			4.2		1.7
3/18/2019		4.4			
3/19/2019				14.8	
9/11/2019	2.6	7		10.7	0.86 (X)
9/12/2019			4.7		
3/9/2020			4.3	10.4	1.6
3/10/2020	5.2	5.5			
9/11/2020	2.8				
9/14/2020		6.9	4.3		5.4
9/15/2020				9.6	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	3.4197	5.3658
5/18/2016	3.06	4.44
7/27/2016	2.6	
7/28/2016		9.9
9/21/2016	3.1	2.2
11/4/2016	3.1	
11/7/2016		2.2
1/24/2017	3	1.5
3/29/2017	2.5	
3/30/2017		1.7
6/8/2017	3.3	
6/9/2017		1.7
9/29/2017	4.2	2.2
12/28/2017	3.8 (Y)	
3/15/2018	3.1	2.4
9/13/2018	3.6	
9/14/2018		2.4
3/18/2019	5.8	
3/19/2019		2.2
9/11/2019	5.7	1.5
3/9/2020		1.5
3/11/2020	3.3	
9/11/2020	2.1	
9/14/2020		1.2

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.001			
3/15/2016			<0.001	<0.001	<0.001
5/11/2016		<0.001	<0.001		
5/12/2016				<0.001	
5/13/2016					<0.001
5/16/2016	<0.001 (D)				
7/19/2016		<0.001 (*)			
7/20/2016				<0.001	
7/21/2016			<0.001		<0.001
7/27/2016	0.0002 (JD)				
9/15/2016		<0.001	<0.001	<0.001	
9/21/2016					<0.001
11/2/2016		<0.001			
11/3/2016			<0.001	<0.001	<0.001
1/17/2017			<0.001		<0.001
1/18/2017		<0.001		<0.001	
2/21/2017	<0.001				
3/24/2017			<0.001	<0.001	
3/27/2017	<0.001 (D)				<0.001
3/28/2017		5E-05 (J)			
5/24/2017			<0.001		
6/6/2017				<0.001	0.0002 (J)
6/7/2017		<0.001			
6/8/2017	<0.001 (D)				
7/17/2017	<0.001 (D)				
7/27/2017	<0.001				
8/9/2017	<0.001				
9/25/2017				<0.001	<0.001
9/26/2017		7E-05 (J)	<0.001		
9/29/2017	<0.001 (D)				
3/14/2018		<0.001	<0.001	<0.001	<0.001
3/16/2018	<0.001				
9/12/2018		<0.001	<0.001	<0.001	<0.001
9/14/2018	<0.001				
3/13/2019			<0.001		
3/14/2019	<0.001			<0.001	<0.001
3/15/2019		<0.001			
9/9/2019		<0.001	<0.001		
9/10/2019				<0.001 (D)	<0.001
3/6/2020				<0.001	
3/9/2020	<0.001	<0.001	7.8E-05 (J)		6.1E-05 (J)
9/10/2020		<0.001		<0.001	<0.001
9/11/2020			<0.001		
9/16/2020	<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.001	<0.001	<0.001		
3/16/2016				<0.001	<0.001
5/13/2016		<0.001	<0.001		
5/16/2016	<0.001			<0.001	<0.001
7/19/2016		<0.001 (*)	<0.001		
7/22/2016	0.0002 (J)				
7/25/2016				<0.001	<0.001
9/16/2016		<0.001	<0.001		
9/19/2016	<0.001			<0.001	<0.001
11/2/2016		<0.001	<0.001		
11/3/2016	<0.001			<0.001	
11/4/2016					<0.001
1/17/2017	<0.001				
1/18/2017		<0.001	<0.001		
1/19/2017				<0.001	
1/23/2017					<0.001
3/27/2017	<0.001				
3/28/2017		5E-05 (J)	<0.001	5E-05 (J)	
3/29/2017					<0.001
6/5/2017				5E-05 (J)	
6/6/2017		<0.001	<0.001		
6/7/2017	<0.001				<0.001
9/22/2017		<0.001	<0.001		
9/26/2017	<0.001			<0.001	
9/27/2017					<0.001
3/14/2018	<0.001	<0.001			
3/15/2018			<0.001	<0.001	<0.001
9/12/2018		<0.001	<0.001	<0.001	
9/13/2018					<0.001
9/14/2018	<0.001				
3/13/2019		<0.001	<0.001		
3/14/2019	<0.001			<0.001	<0.001
9/10/2019	<0.001				
9/11/2019		6.2E-05 (J)	<0.001	<0.001	<0.001
3/6/2020	8.6E-05 (J)				
3/9/2020		<0.001	<0.001		
3/10/2020				<0.001	<0.001
9/10/2020	<0.001				
9/11/2020		<0.001			<0.001
9/14/2020			<0.001		
9/15/2020				<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.001	<0.001	0.00116	<0.001
3/16/2016	<0.001				
5/16/2016	<0.001				
5/17/2016		<0.001			<0.001
5/18/2016			<0.001	0.000768 (J)	
7/25/2016	<0.001				
7/26/2016		7E-05 (J)			
7/27/2016			9E-05 (J)	0.0004 (J)	9E-05 (J)
9/19/2016	<0.001				
9/20/2016		<0.001	<0.001	0.0004 (J)	<0.001
11/3/2016	<0.001				
11/4/2016		<0.001		0.0003 (J)	<0.001
11/7/2016			<0.001		
1/20/2017	<0.001	<0.001		0.0003 (J)	
1/23/2017			<0.001		<0.001
3/28/2017		7E-05 (J)			6E-05 (J)
3/29/2017	<0.001		7E-05 (J)	0.0003 (J)	
6/7/2017	<0.001	6E-05 (J)			
6/8/2017			<0.001	0.0003 (J)	8E-05 (J)
9/27/2017	<0.001		6E-05 (J)	0.0003 (J)	
9/29/2017		6E-05 (J)			9E-05 (J)
3/15/2018	<0.001	<0.001	<0.001		<0.001
3/16/2018				0.00036 (J)	
9/13/2018	<0.001	<0.001	<0.001	0.00021 (J)	<0.001
3/14/2019	<0.001				
3/15/2019			<0.001		<0.001
3/18/2019		<0.001			
3/19/2019				0.00027 (J)	
9/11/2019	<0.001	<0.001		0.00023 (J)	0.000115 (JD)
9/12/2019			<0.001		
3/9/2020			<0.001	0.00021 (J)	9E-05 (J)
3/10/2020	<0.001	<0.001			
9/11/2020	<0.001				
9/14/2020		<0.001	<0.001		<0.001
9/15/2020				0.00016 (J)	

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.001	<0.001
5/18/2016	<0.001	<0.001
7/27/2016	0.0001 (J)	
7/28/2016		<0.001
9/21/2016	<0.001	<0.001
11/4/2016	<0.001	
11/7/2016		<0.001
1/24/2017	<0.001	<0.001
3/29/2017	<0.001	
3/30/2017		5E-05 (J)
6/8/2017	<0.001	
6/9/2017		<0.001
9/29/2017	<0.001	<0.001
3/15/2018	<0.001	<0.001
9/13/2018	<0.001	
9/14/2018		<0.001
3/18/2019	<0.001	
3/19/2019		<0.001
9/11/2019	<0.001	<0.001
3/9/2020		<0.001
3/11/2020	<0.001	
9/11/2020	<0.001	
9/14/2020		<0.001

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 3:30 PM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		106			
3/15/2016			107	110	78
5/11/2016		58	80		
5/12/2016				49	
5/13/2016					178
5/16/2016	114 (D)				
7/19/2016		46			
7/20/2016				72	
7/21/2016			76		168
7/27/2016	107 (D)				
9/15/2016		41		18 (J)	
9/19/2016			108		
9/21/2016					123
11/2/2016		37			
11/3/2016			90	70	157
1/17/2017			128		170
1/18/2017		29		63	
2/21/2017	229 (D)				
3/24/2017			91	63	
3/27/2017	239 (D)				158
3/28/2017		40			
5/24/2017			152		
6/6/2017				128	212
6/8/2017	179 (D)				
7/17/2017	180 (D)				
7/27/2017	190 (D)				
8/9/2017	153 (D)				
9/25/2017				109	145
9/26/2017		107	103		
9/29/2017	173 (D)				
3/14/2018		126	123	192	210
3/16/2018	150				
9/12/2018		134	105	82	159
9/14/2018	165				
3/13/2019			130		
3/14/2019	154			119	157
3/15/2019		107			
9/9/2019		93	108		
9/10/2019	181			36	113
3/6/2020				137	
3/9/2020	173	58	131		249
9/10/2020		16		35	111
9/11/2020			102		
9/16/2020	156				

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 3:30 PM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	139	69	144		
3/16/2016				<10	<10
5/13/2016		88	142		
5/16/2016	112			35	<10
7/19/2016		56	135		
7/22/2016	136				
7/25/2016				24 (J)	16 (J)
9/16/2016		31	144		
9/19/2016	121			19 (J)	12 (J)
11/2/2016		48	152		
11/3/2016	132			34	
11/4/2016					13 (J)
1/17/2017	150				
1/18/2017		44	125		
1/19/2017				13 (J)	
1/23/2017					15 (J)
3/27/2017	148				
3/28/2017		<10	109	<10	
3/29/2017					<10
6/5/2017				206	
6/6/2017		36	154		
6/7/2017	181				26
7/20/2017				72	
9/22/2017		41	157		
9/26/2017	113			35	
9/27/2017					<10
3/14/2018	134	<10			
3/15/2018			117	41	<10
9/12/2018		<10	151	<10	
9/13/2018					<10
9/14/2018	139				
3/13/2019		31	152		
3/14/2019	157			110	39 (X)
9/10/2019	105				
9/11/2019		21	151	58	<10
3/6/2020	143				
3/9/2020		51	174		
3/10/2020				127	60
9/10/2020	120				
9/11/2020		31			11
9/14/2020			146		
9/15/2020				56	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 3:30 PM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		253	152	149	63
3/16/2016	89				
5/16/2016	169				
5/17/2016		251			<10
5/18/2016			123	162	
7/25/2016	159				
7/26/2016		249			
7/27/2016			113	132	11 (J)
9/19/2016	152				
9/20/2016		195	126	155	14 (J)
11/3/2016	150				
11/4/2016		209		169	27
11/7/2016			167		
1/20/2017	152	211		135	
1/23/2017			125		15 (J)
3/28/2017		199			<10
3/29/2017	143		116	147	
6/7/2017	192	251			
6/8/2017			131	159	29
9/27/2017	159		117	167	
9/29/2017		255			21 (J)
3/15/2018	146	231	102		<10
3/16/2018				141	
9/13/2018	185	263	144	175	<10
3/14/2019	195				
3/15/2019			125		41
3/18/2019		251			
3/19/2019				154	
9/11/2019	172	234		164	20
9/12/2019			121		
3/9/2020			147	44	100
3/10/2020	245	273			
9/11/2020	146				
9/14/2020		232	129		47
9/15/2020				108	

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 1/26/2021 3:30 PM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	103	31
5/18/2016	129	43
7/27/2016	108	
7/28/2016		43
9/21/2016	102	<10
11/4/2016	130	
11/7/2016		50
1/24/2017	152	63
3/29/2017	95	
3/30/2017		<10
6/8/2017	176	
6/9/2017		20 (J)
9/29/2017	118	22 (J)
3/15/2018	88	<10
9/13/2018	137	
9/14/2018		29
3/18/2019	170	
3/19/2019		35
9/11/2019	138	27
3/9/2020		51
3/11/2020	125	
9/11/2020	127	
9/14/2020		25

Time Series

Constituent: Vanadium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.01			
3/15/2016			<0.01	<0.01	<0.01
5/11/2016		<0.01	<0.01		
5/12/2016				<0.01	
5/13/2016					<0.01
5/16/2016	<0.01 (D)				
7/19/2016		<0.01			
7/20/2016				<0.01	
7/21/2016			<0.01		<0.01
7/27/2016	0.002 (JD)				
9/15/2016		<0.01	<0.01	<0.01	
9/21/2016					<0.01
11/2/2016		<0.01			
11/3/2016			<0.01	<0.01	<0.01
1/17/2017			<0.01		<0.01
1/18/2017		<0.01		<0.01	
2/21/2017	<0.01				
3/24/2017			<0.01	<0.01	
3/27/2017	<0.01 (D)				<0.01
3/28/2017		<0.01			
9/25/2017				<0.01	<0.01
9/26/2017		<0.01	<0.01		
9/29/2017	<0.01 (D)				
3/14/2018		<0.01	<0.01	<0.01	<0.01
3/16/2018	<0.01				
9/12/2018		<0.01	<0.01	<0.01	<0.01
9/14/2018	<0.01				
3/13/2019			<0.01		
3/14/2019	<0.01			<0.01	<0.01
3/15/2019		<0.01			
9/9/2019		<0.01	<0.01		
9/10/2019				<0.01 (D)	<0.01
3/6/2020				<0.01	
3/9/2020	<0.01	<0.01	<0.01		<0.01
9/10/2020		<0.01		<0.01	<0.01
9/11/2020			<0.01		
9/16/2020	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	<0.01	0.00204 (J)	0.00202 (J)		
3/16/2016				<0.01	<0.01
5/13/2016		<0.01	<0.01		
5/16/2016	<0.01			<0.01	<0.01
7/19/2016		<0.01	<0.01		
7/22/2016	<0.01				
7/25/2016				<0.01	0.0022 (J)
9/16/2016		<0.01	<0.01		
9/19/2016	<0.01			<0.01	<0.01
11/2/2016		<0.01	<0.01		
11/3/2016	<0.01			<0.01	
11/4/2016					<0.01
1/17/2017	<0.01				
1/18/2017		<0.01	<0.01		
1/19/2017				<0.01	
1/23/2017					<0.01
3/27/2017	<0.01				
3/28/2017		<0.01	<0.01	<0.01	
3/29/2017					<0.01
9/22/2017		<0.01	<0.01		
9/26/2017	<0.01			<0.01	
9/27/2017					<0.01
3/14/2018	<0.01	<0.01			
3/15/2018			<0.01	<0.01	<0.01
9/12/2018		<0.01	<0.01	<0.01	
9/13/2018					<0.01
9/14/2018	<0.01				
3/13/2019		<0.01	<0.01		
3/14/2019	<0.01			<0.01	<0.01
9/10/2019	<0.01				
9/11/2019		<0.01	<0.01	<0.01	<0.01
3/6/2020	<0.01				
3/9/2020		<0.01	0.00074 (J)		
3/10/2020				<0.01	<0.01
9/10/2020	<0.01				
9/11/2020		<0.01			<0.01
9/14/2020			<0.01		
9/15/2020				<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		<0.01	<0.01	<0.01	<0.01
3/16/2016	<0.01				
5/16/2016	<0.01				
5/17/2016		<0.01			<0.01
5/18/2016			<0.01	<0.01	
7/25/2016	<0.01				
7/26/2016		<0.01			
7/27/2016			<0.01	<0.01	<0.01
9/19/2016	<0.01				
9/20/2016		<0.01	<0.01	<0.01	<0.01
11/3/2016	<0.01				
11/4/2016		<0.01		<0.01	<0.01
11/7/2016			<0.01		
1/20/2017	<0.01	<0.01		<0.01	
1/23/2017			<0.01		<0.01
3/28/2017		<0.01			<0.01
3/29/2017	<0.01		<0.01	<0.01	
9/27/2017	<0.01		<0.01	<0.01	
9/29/2017		<0.01			<0.01
3/15/2018	<0.01	<0.01	<0.01		<0.01
3/16/2018				<0.01	
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01
3/14/2019	<0.01				
3/15/2019			<0.01		<0.01
3/18/2019		<0.01			
3/19/2019				<0.01	
9/11/2019	<0.01	<0.01		<0.01	<0.01 (D)
9/12/2019			<0.01		
3/9/2020			<0.01	0.00075 (J)	<0.01
3/10/2020	<0.01	<0.01			
9/11/2020	<0.01				
9/14/2020		<0.01	<0.01		<0.01
9/15/2020				<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.01	<0.01
5/18/2016	<0.01	<0.01
7/27/2016	<0.01	
7/28/2016		<0.01
9/21/2016	<0.01	<0.01
11/4/2016	<0.01	
11/7/2016		<0.01
1/24/2017	<0.01	<0.01
3/29/2017	<0.01	
3/30/2017		<0.01
9/29/2017	<0.01	<0.01
3/15/2018	<0.01	<0.01
9/13/2018	<0.01	
9/14/2018		<0.01
3/18/2019	<0.01	
3/19/2019		<0.01
9/11/2019	<0.01	<0.01
3/9/2020		<0.01
3/11/2020	<0.01	
9/11/2020	<0.01	
9/14/2020		<0.01

Time Series

Constituent: Zinc (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)
3/14/2016		<0.02			
3/15/2016			<0.02	<0.02	0.00286 (J)
5/11/2016		0.00467 (J)	<0.02		
5/12/2016				<0.02	
5/13/2016					<0.02
5/16/2016	<0.02 (D)				
7/19/2016		<0.02 (*)			
7/20/2016				<0.02	
7/21/2016			<0.02 (*)		<0.02 (*)
7/27/2016	<0.02 (*)				
9/15/2016		0.0044 (J)	<0.02	0.0027 (J)	
9/21/2016					<0.02
11/2/2016		0.0043 (J)			
11/3/2016			<0.02	<0.02	<0.02
1/17/2017			<0.02		<0.02
1/18/2017		<0.02 (*)		<0.02 (*)	
2/21/2017	0.0049 (J)				
3/24/2017			<0.02 (*)	<0.02 (*)	
3/27/2017	<0.02 (*)				<0.02 (*)
3/28/2017		<0.02 (*)			
9/25/2017				<0.02	0.0023 (J)
9/26/2017		0.0029 (J)	0.0019 (J)		
9/29/2017	0.0012 (JD)				
3/14/2018		<0.02	<0.02	<0.02	<0.02
3/16/2018	0.0042 (J)				
9/12/2018		<0.02	<0.02	<0.02	<0.02
9/14/2018	<0.02				
3/13/2019			<0.02		
3/14/2019	0.0035 (J)			<0.02	0.0021 (J)
3/15/2019		0.0023 (J)			
9/9/2019		0.0047 (J)	0.0058 (J)		
9/10/2019				0.00745 (JD)	0.0075 (J)
3/6/2020				0.0027 (J)	
3/9/2020	0.009 (J)	0.0035 (J)	0.002 (J)		0.0024 (J)
9/10/2020		<0.02		<0.02	<0.02
9/11/2020			<0.02		
9/16/2020	<0.02				

Time Series

Constituent: Zinc (mg/L) Analysis Run 1/26/2021 3:30 PM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWC-44	GWC-45
3/11/2016	0.00862 (J)	0.0093 (J)	0.00722 (J)		
3/16/2016				0.00622 (J)	0.00599 (J)
5/13/2016		0.00336 (J)	0.00666 (J)		
5/16/2016	0.00744 (J)			0.00345 (J)	<0.02
7/19/2016		<0.02 (*)	<0.02 (*)		
7/22/2016	<0.02 (*)				
7/25/2016				<0.02 (*)	<0.02 (*)
9/16/2016		0.0023 (J)	<0.02		
9/19/2016	0.0162			0.004 (J)	0.0061 (J)
11/2/2016		0.0047 (J)	0.0057 (J)		
11/3/2016	0.011			0.0047 (J)	
11/4/2016					0.0032 (J)
1/17/2017	0.0104				
1/18/2017		<0.02	0.0022 (J)		
1/19/2017				0.0035 (J)	
1/23/2017					0.0031 (J)
3/27/2017	<0.02 (*)				
3/28/2017		<0.02 (*)	<0.02	<0.02 (*)	
3/29/2017					<0.02 (*)
9/22/2017		0.0013 (J)	0.0014 (J)		
9/26/2017	0.0094 (J)			0.0039 (J)	
9/27/2017					0.0048 (J)
3/14/2018	<0.02	<0.02			
3/15/2018			<0.02	<0.02	<0.02
9/12/2018		<0.02	<0.02	<0.02	
9/13/2018					<0.02
9/14/2018	<0.02				
3/13/2019		0.0022 (J)	0.0023 (J)		
3/14/2019	0.01			0.0039 (J)	<0.02
9/10/2019	0.014				
9/11/2019		0.0065 (J)	0.0053 (J)	0.0068 (J)	0.0065 (J)
3/6/2020	0.012				
3/9/2020		0.002 (J)	0.0022 (J)		
3/10/2020				0.0049 (J)	0.0031 (J)
9/10/2020	0.0073 (J)				
9/11/2020		<0.02			<0.02
9/14/2020			<0.02		
9/15/2020				0.0062 (J)	

Time Series

Constituent: Zinc (mg/L) Analysis Run 1/26/2021 3:30 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-46R	GWC-47	GWC-47R	GWC-48
3/10/2016		0.00373 (J)	0.027	0.0154	0.00432 (J)
3/16/2016	0.000113 (J)				
5/16/2016	0.00452 (J)				
5/17/2016		0.00268 (J)			0.00672 (J)
5/18/2016			0.0277	0.0136	
7/25/2016	<0.02 (*)				
7/26/2016		<0.02 (*)			
7/27/2016			0.0221	0.0153	<0.02 (*)
9/19/2016	0.0034 (J)				
9/20/2016		0.0058 (J)	0.03	0.0173	0.0081 (J)
11/3/2016	0.0039 (J)				
11/4/2016		0.0029 (J)		0.0149	0.0071 (J)
11/7/2016			0.0202		
1/20/2017	0.0023 (J)	<0.02		0.0134	
1/23/2017			0.0156		<0.02
3/28/2017		<0.02 (*)			<0.02 (*)
3/29/2017	<0.02 (*)		<0.02 (*)	<0.02 (*)	
9/27/2017	0.0036 (J)		0.0196	0.0111	
9/29/2017		0.0016 (J)			0.0055 (J)
12/28/2017			0.0315 (Y)		
3/15/2018	<0.02	<0.02	<0.02		<0.02
3/16/2018				0.012	
9/13/2018	<0.02	<0.02	0.031	<0.02	<0.02
3/14/2019	0.0022 (J)				
3/15/2019			0.051		0.0058 (J)
3/18/2019		<0.02			
3/19/2019				0.016	
9/11/2019	0.0058 (J)	0.0055 (J)		0.028	0.011 (D)
9/12/2019			0.035		
3/9/2020			0.044	0.032	0.0079 (J)
3/10/2020	0.0035 (J)	0.0029 (J)			
9/11/2020	<0.02				
9/14/2020		<0.02	0.032		0.0076 (J)
9/15/2020				0.028	

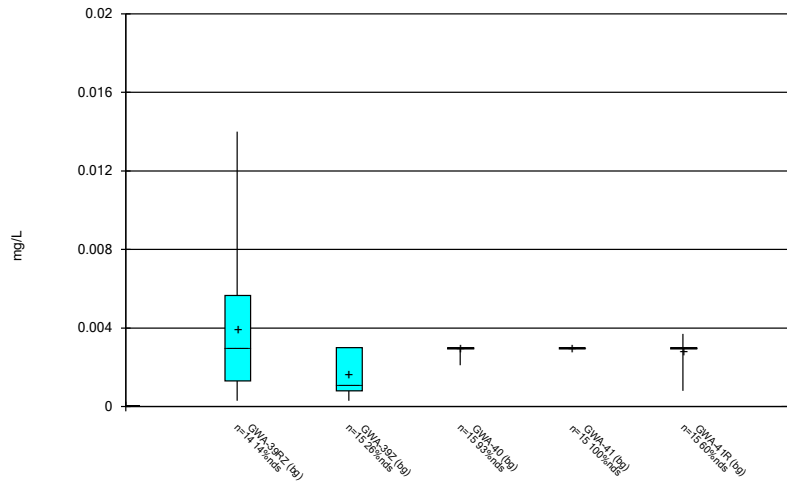
Time Series

Constituent: Zinc (mg/L) Analysis Run 1/26/2021 3:30 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49Z
3/17/2016	<0.02	<0.02
5/18/2016	<0.02	0.00208 (J)
7/27/2016	<0.02 (*)	
7/28/2016		<0.02 (*)
9/21/2016	<0.02	0.0079 (J)
11/4/2016	<0.02	
11/7/2016		<0.02 (*)
1/24/2017	<0.02	0.0053 (J)
3/29/2017	<0.02 (*)	
3/30/2017		<0.02 (*)
9/29/2017	<0.02	0.004 (J)
3/15/2018	<0.02	<0.02
9/13/2018	<0.02	
9/14/2018		<0.02
3/18/2019	<0.02	
3/19/2019		0.0034 (J)
9/11/2019	0.005 (J)	0.0085 (J)
3/9/2020		0.0047 (J)
3/11/2020	0.0036 (J)	
9/11/2020	<0.02	
9/14/2020		0.0042 (J)

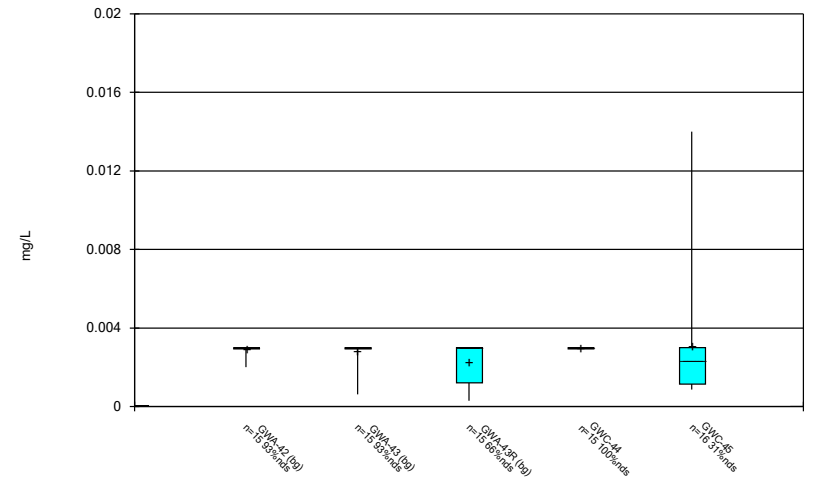
FIGURE B.

Box & Whiskers Plot



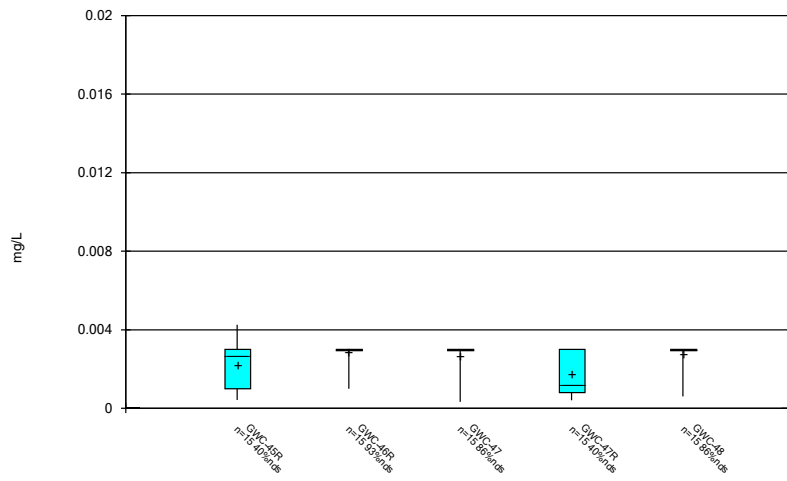
Constituent: Antimony Analysis Run 1/26/2021 3:31 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



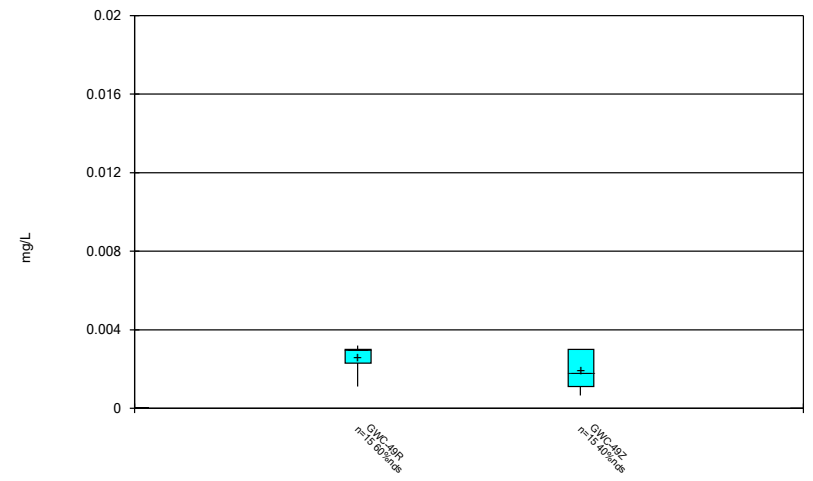
Constituent: Antimony Analysis Run 1/26/2021 3:31 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



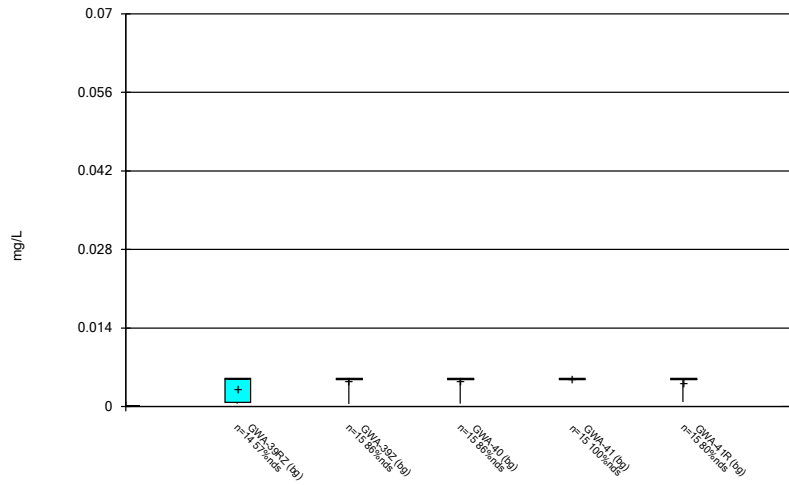
Constituent: Antimony Analysis Run 1/26/2021 3:31 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



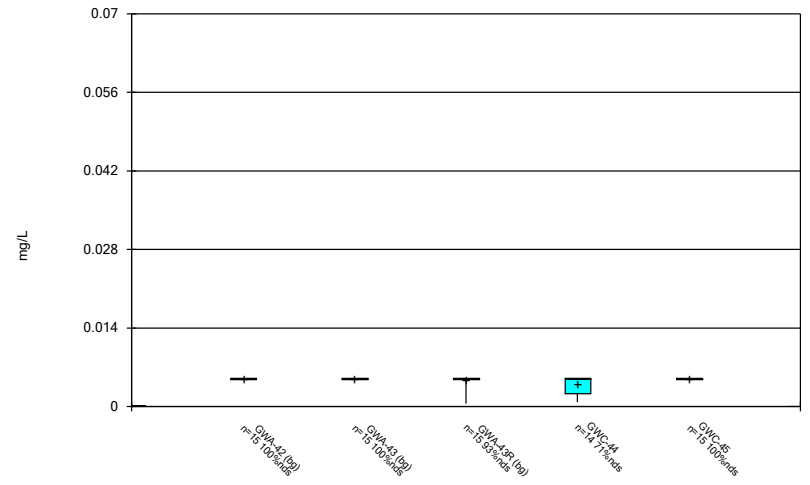
Constituent: Antimony Analysis Run 1/26/2021 3:31 PM
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



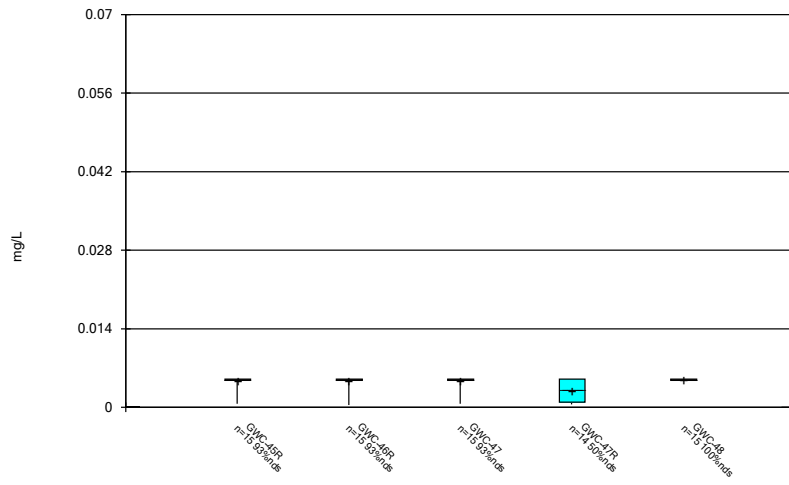
Constituent: Arsenic Analysis Run 1/26/2021 3:31 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



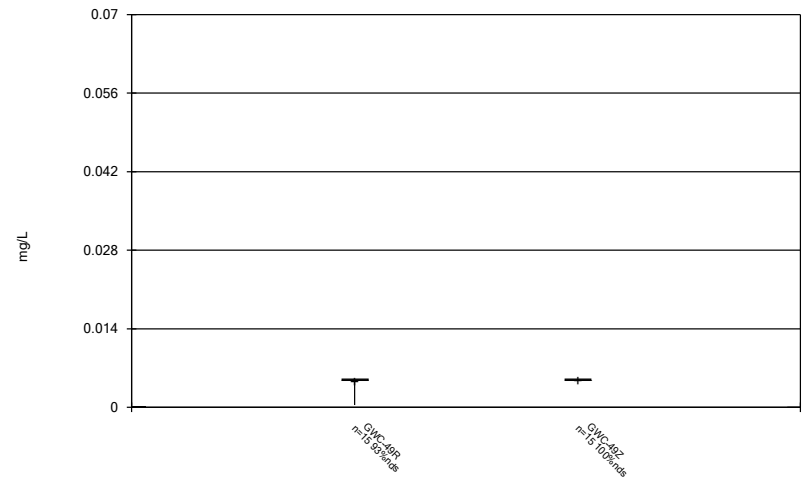
Constituent: Arsenic Analysis Run 1/26/2021 3:31 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



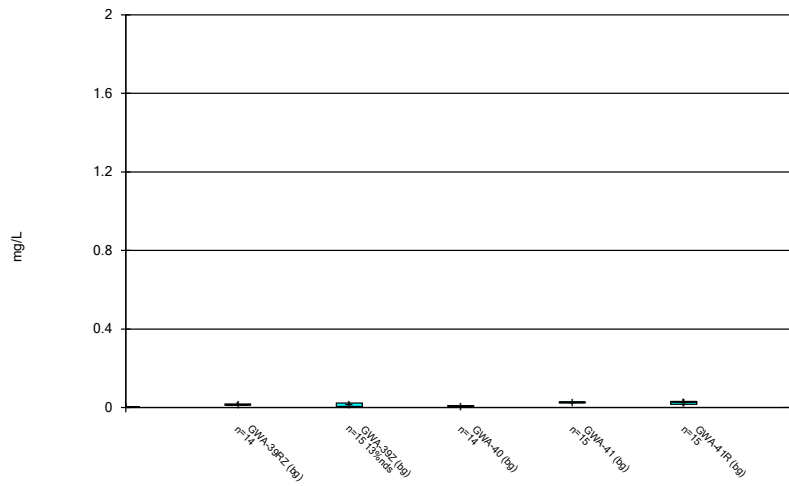
Constituent: Arsenic Analysis Run 1/26/2021 3:31 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



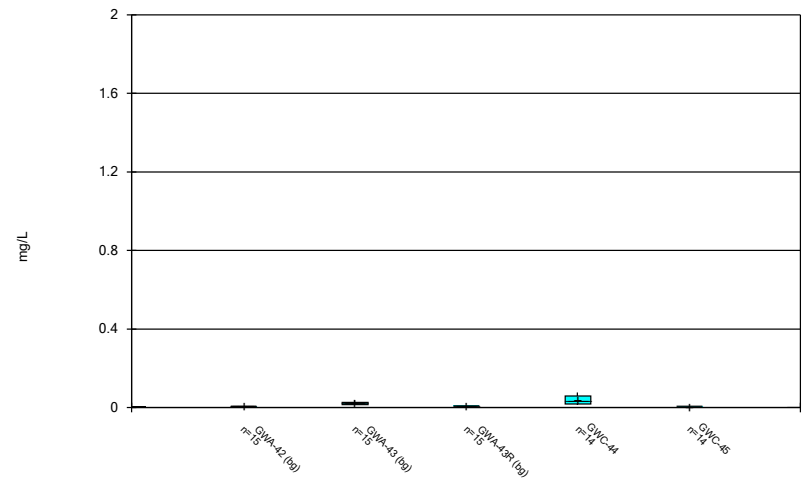
Constituent: Arsenic Analysis Run 1/26/2021 3:31 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



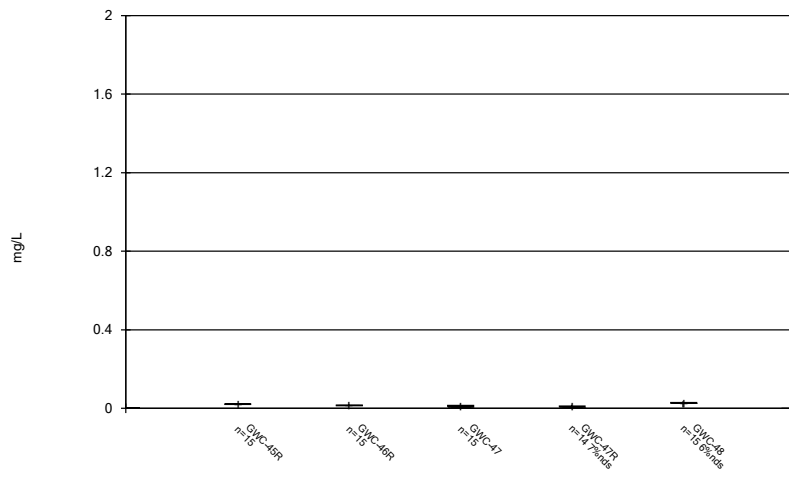
Constituent: Barium Analysis Run 1/26/2021 3:31 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



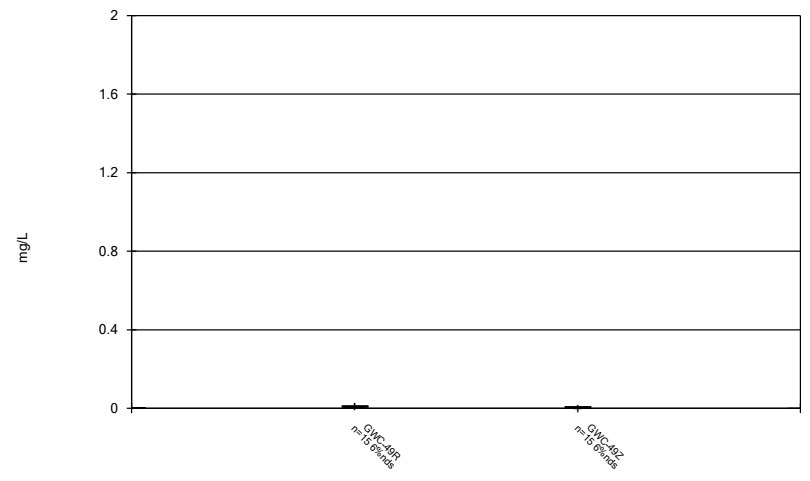
Constituent: Barium Analysis Run 1/26/2021 3:31 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



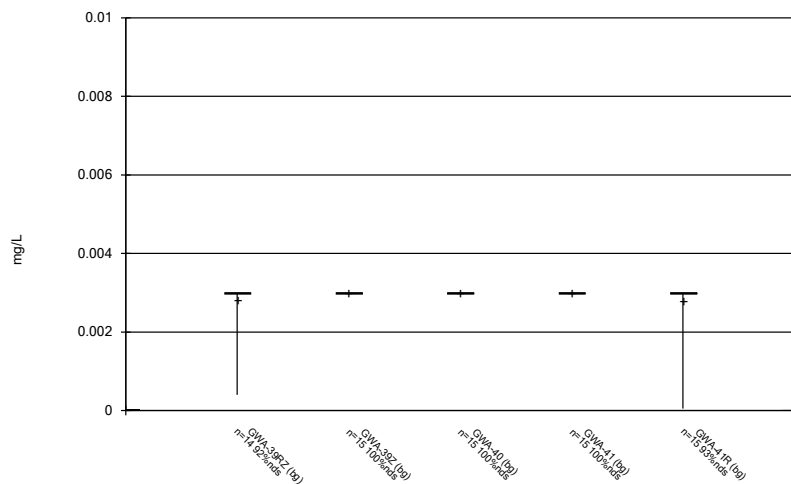
Constituent: Barium Analysis Run 1/26/2021 3:31 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



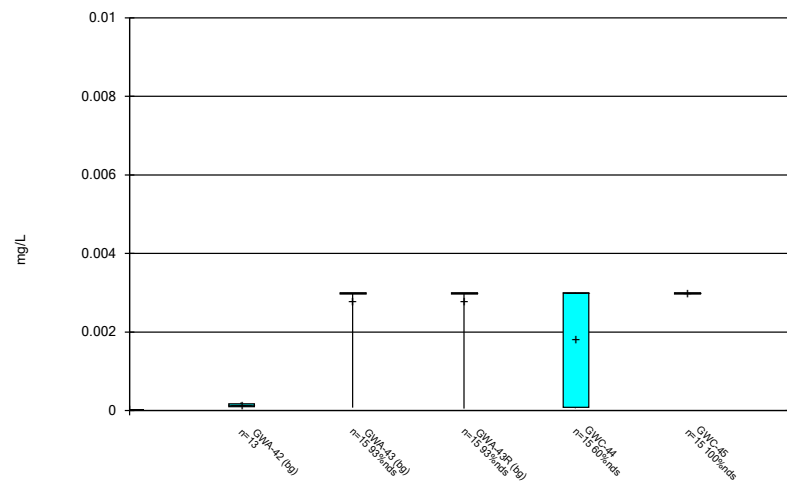
Constituent: Barium Analysis Run 1/26/2021 3:31 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



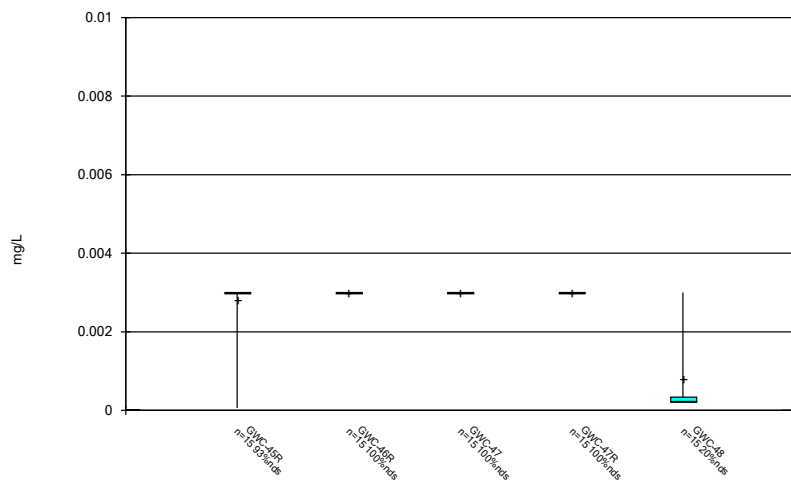
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



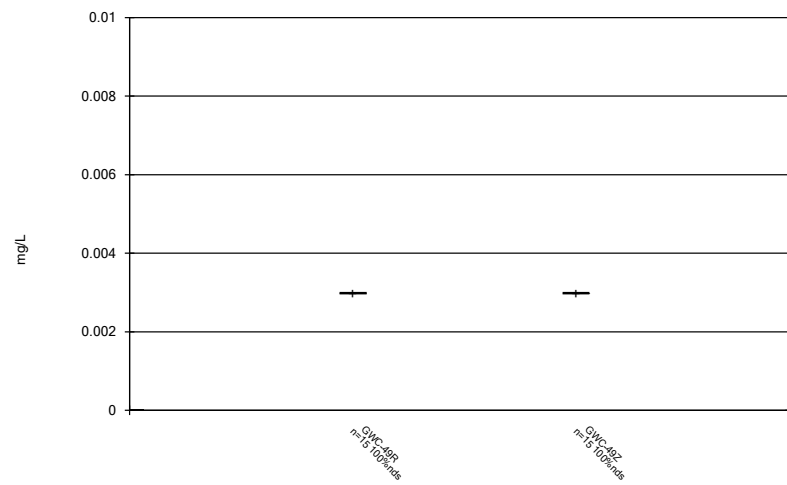
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



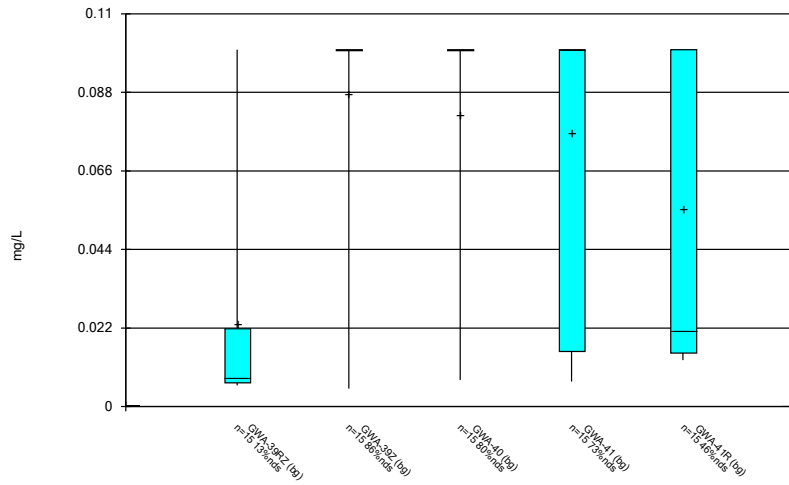
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Box & Whiskers Plot



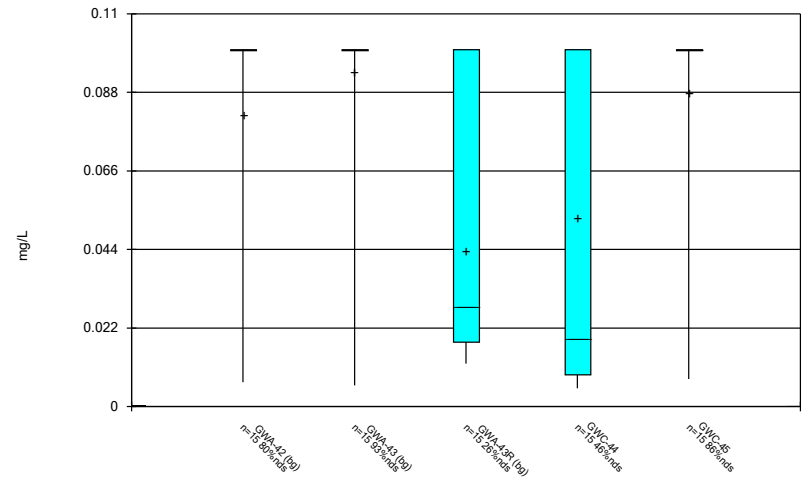
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Box & Whiskers Plot



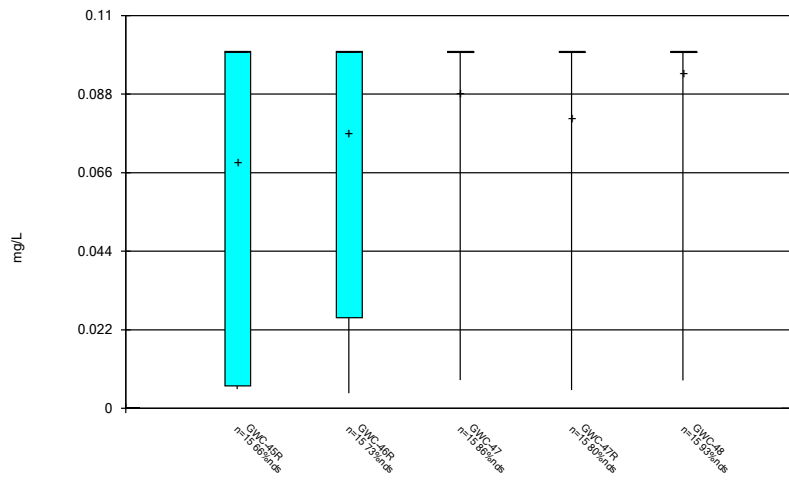
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Box & Whiskers Plot



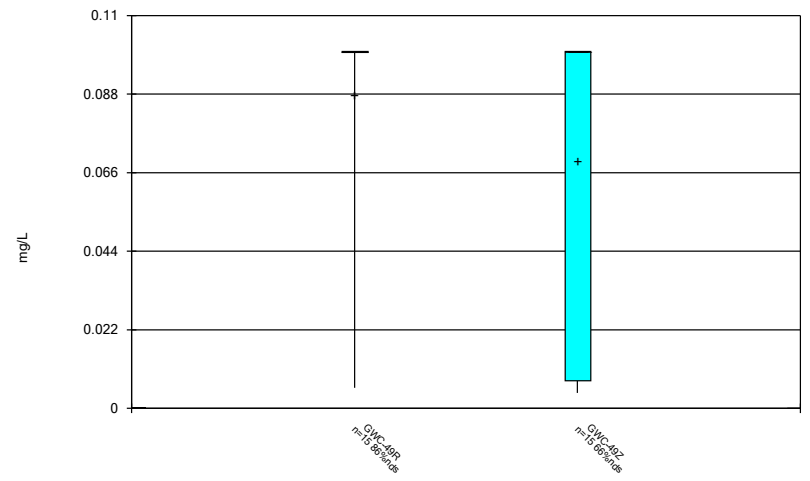
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Box & Whiskers Plot



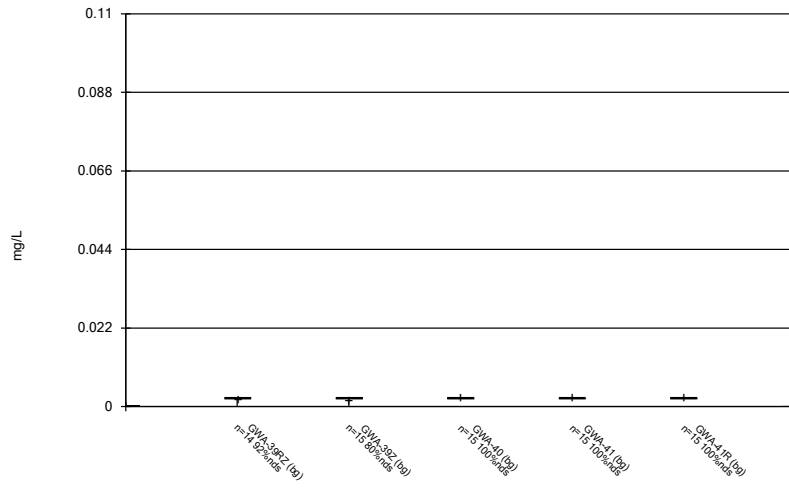
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Box & Whiskers Plot



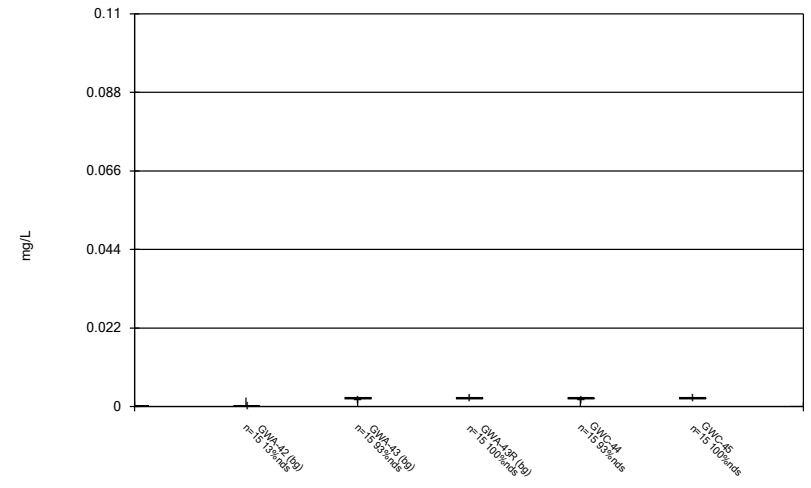
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Box & Whiskers Plot



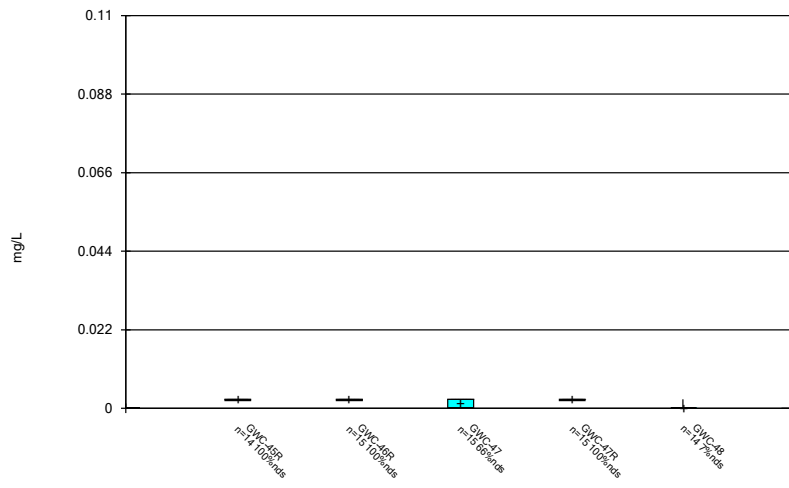
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



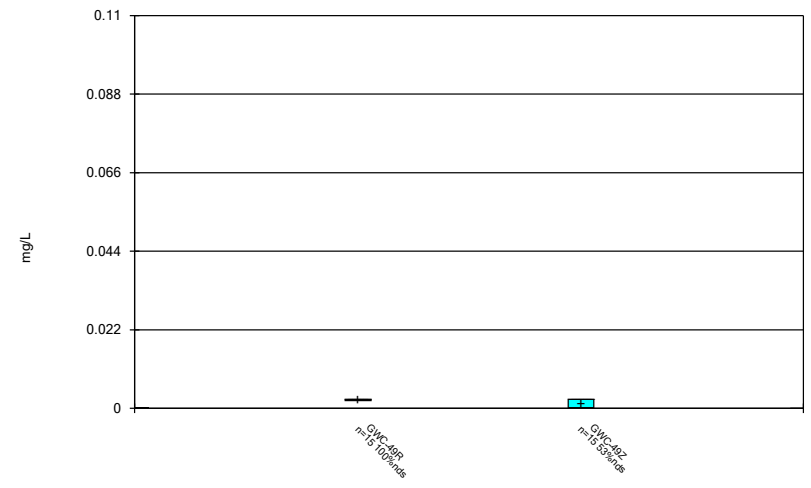
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



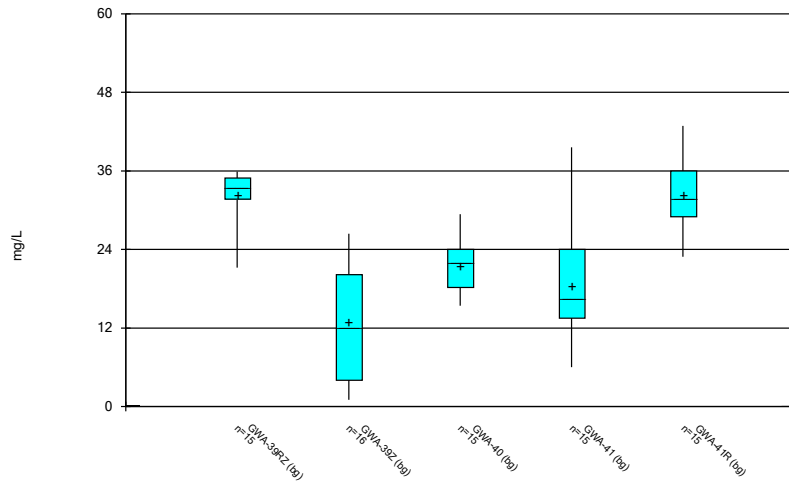
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Box & Whiskers Plot



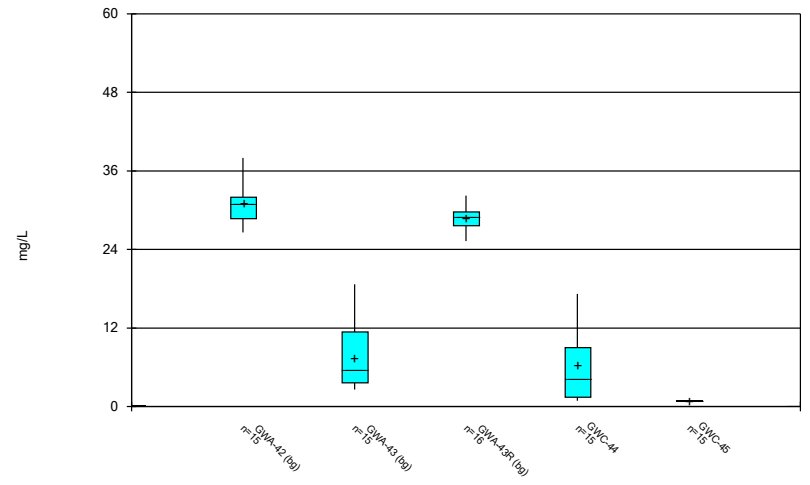
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Box & Whiskers Plot



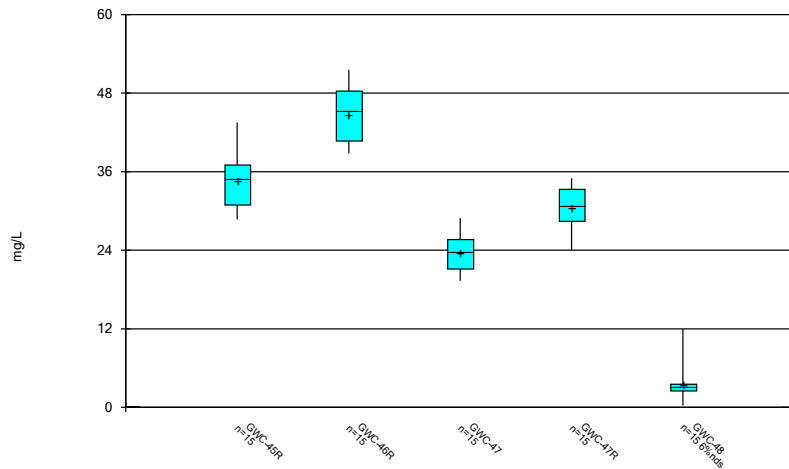
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Box & Whiskers Plot



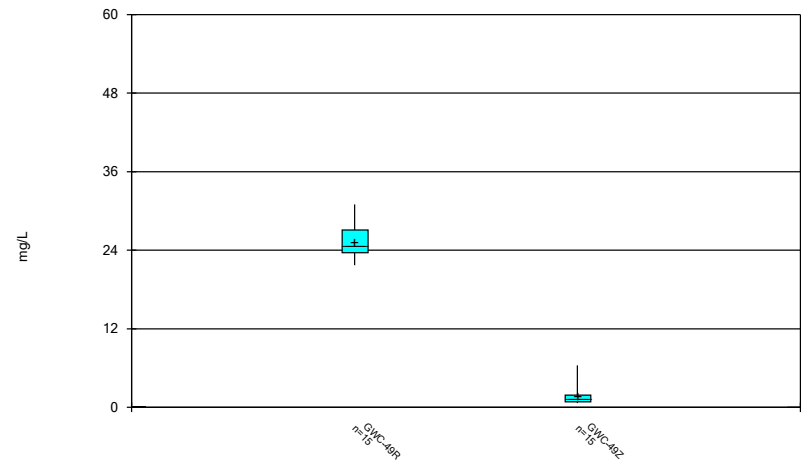
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Box & Whiskers Plot



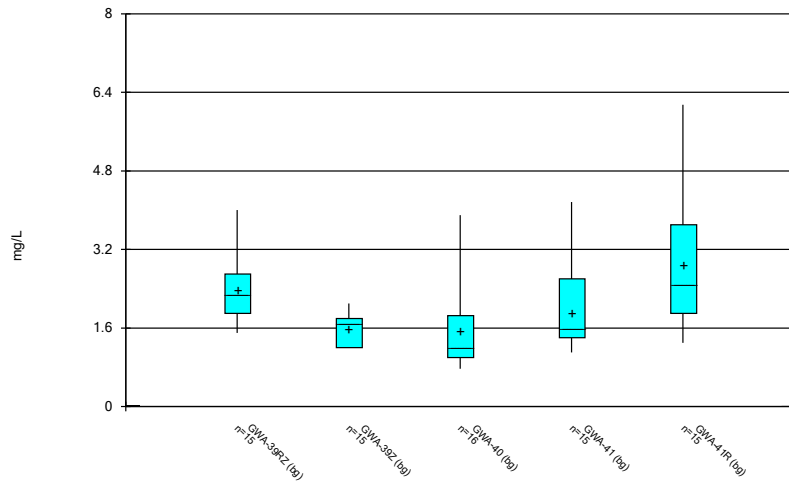
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Box & Whiskers Plot



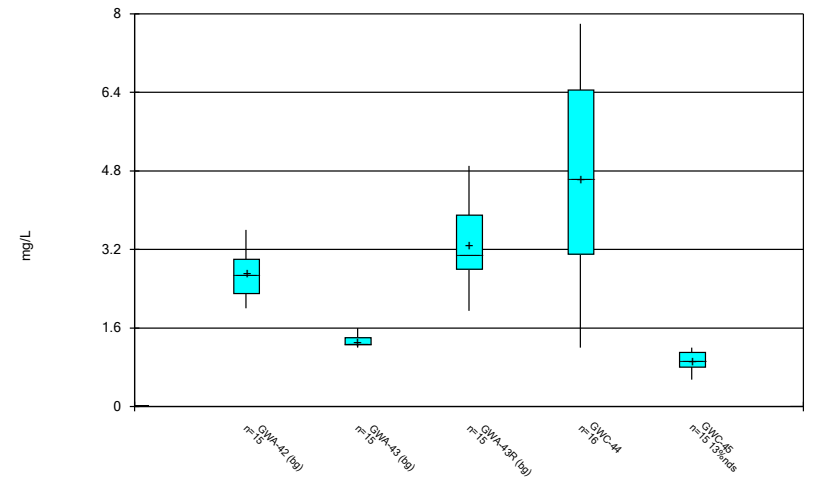
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Box & Whiskers Plot



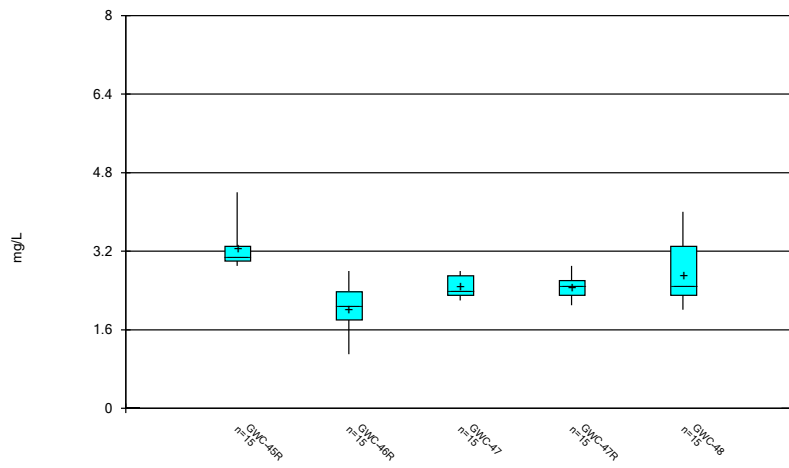
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



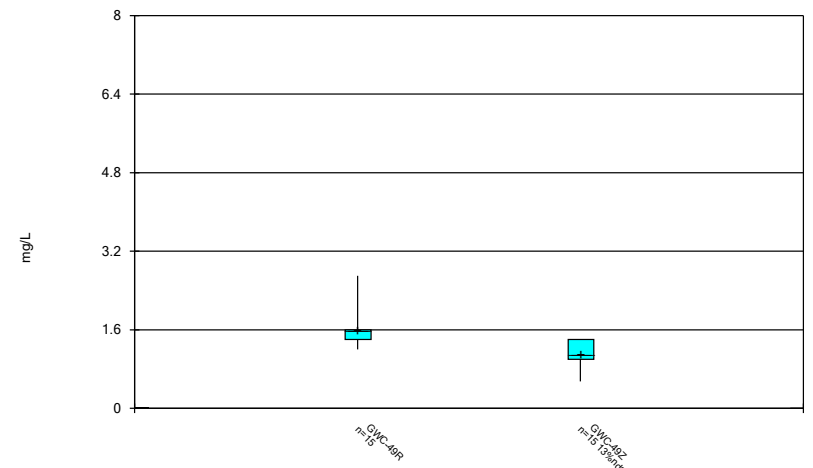
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



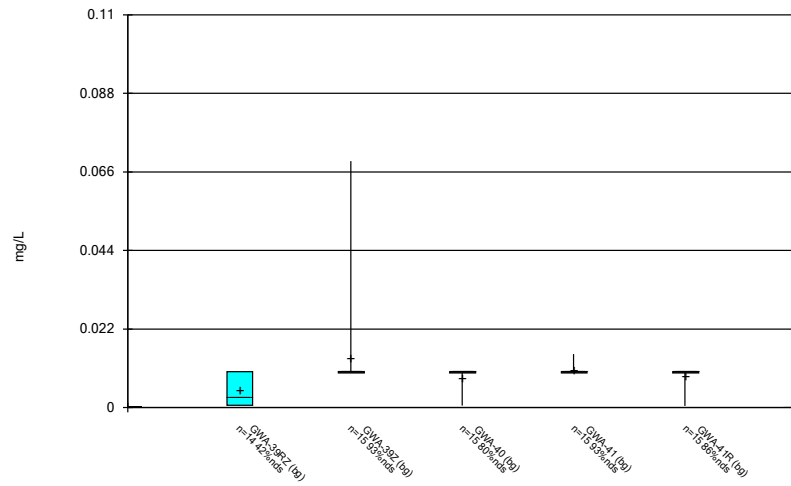
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



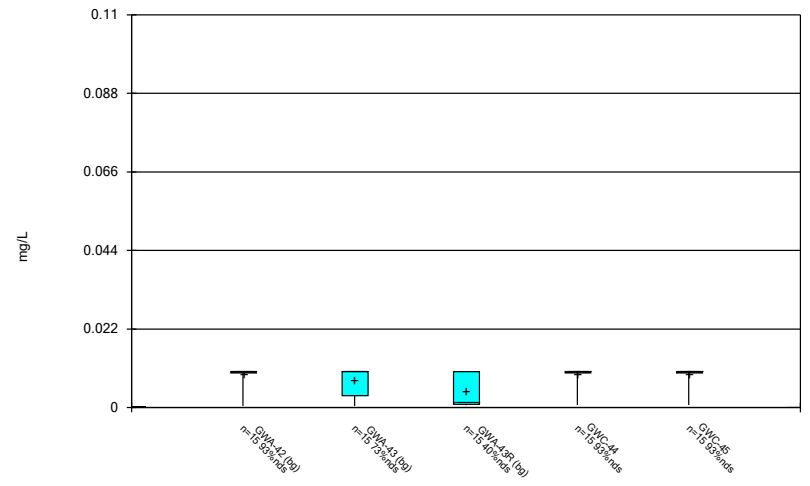
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Box & Whiskers Plot



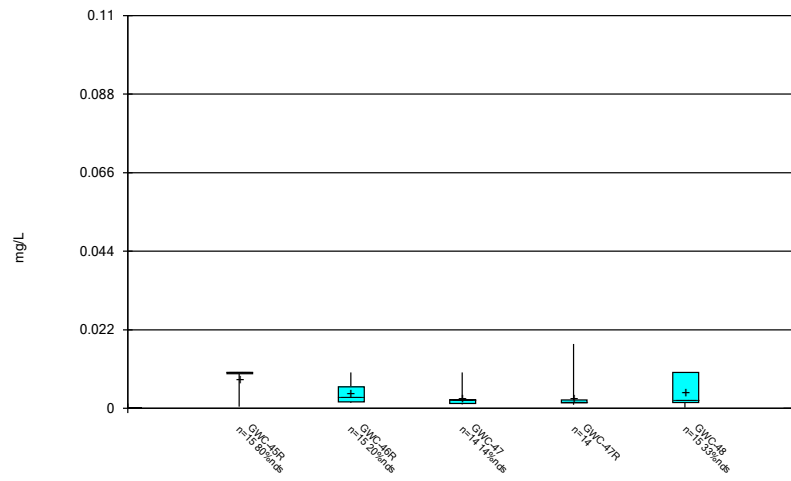
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Box & Whiskers Plot



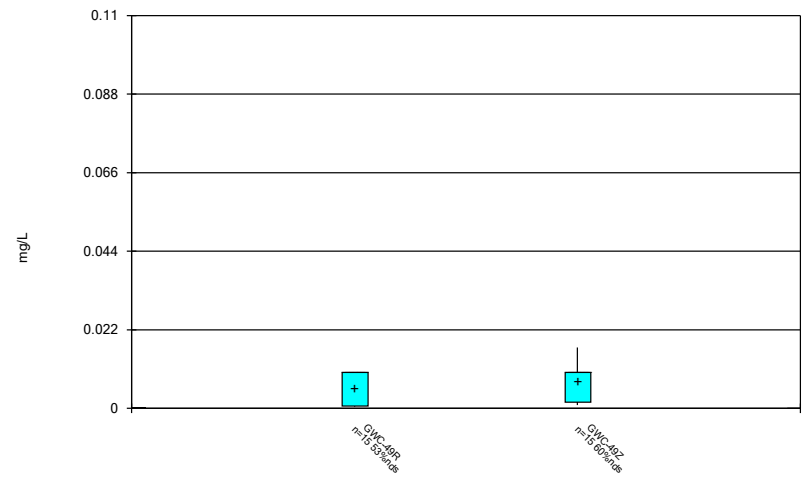
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Box & Whiskers Plot



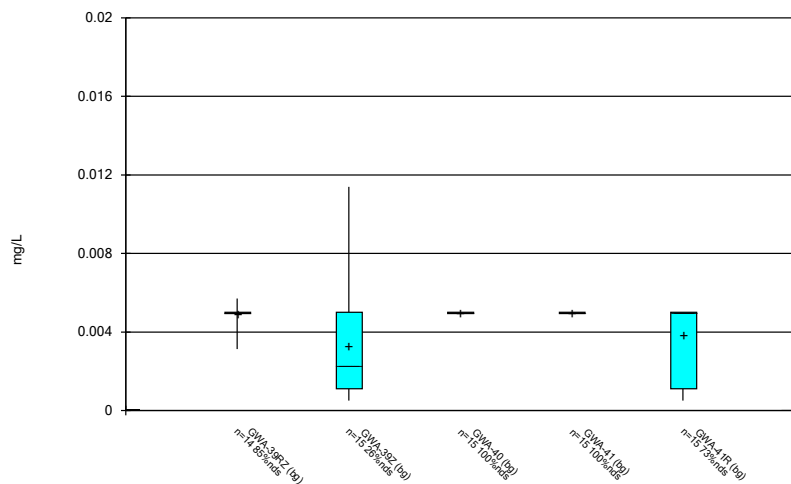
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Box & Whiskers Plot



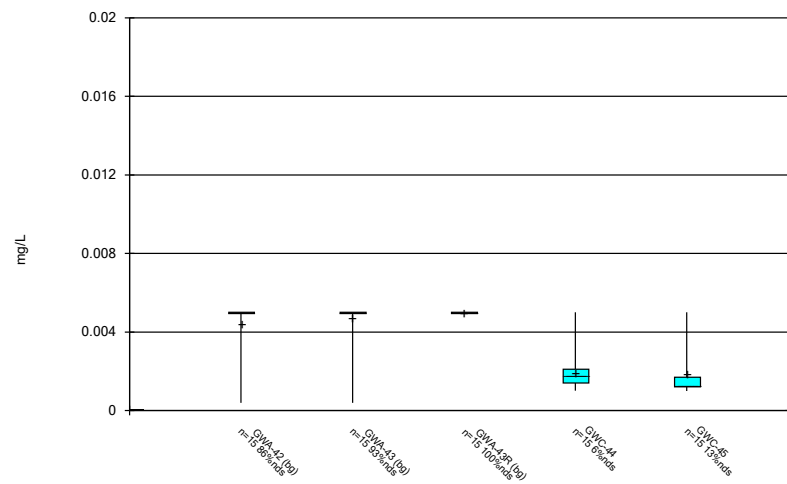
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Box & Whiskers Plot



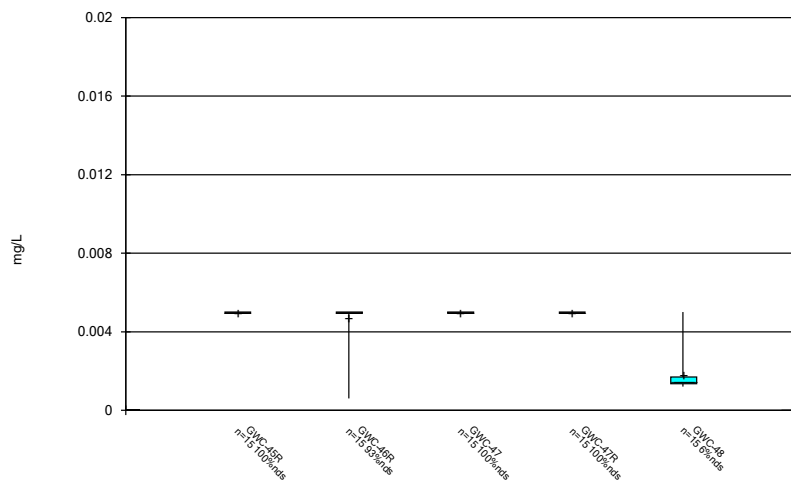
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



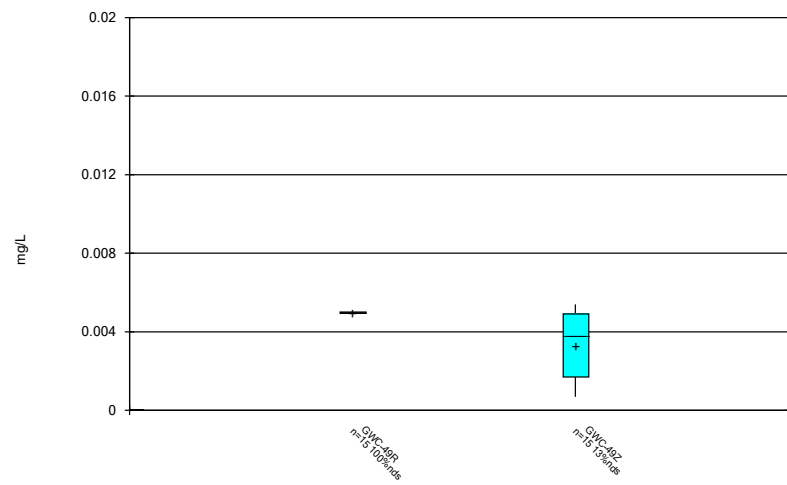
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



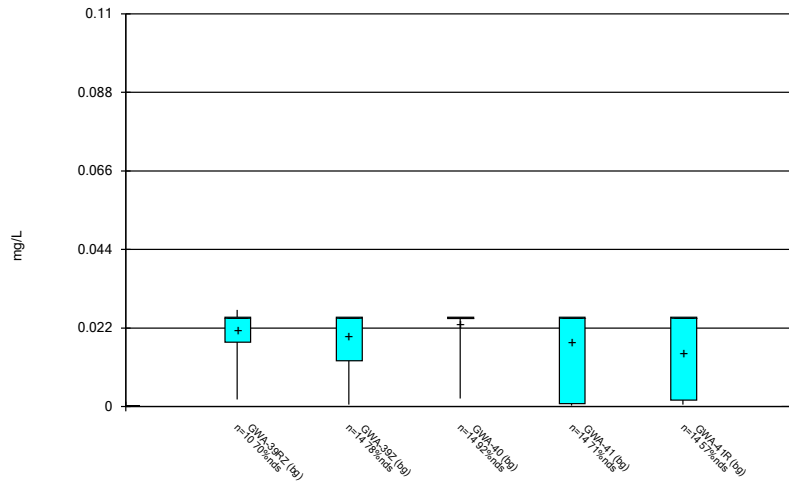
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Box & Whiskers Plot



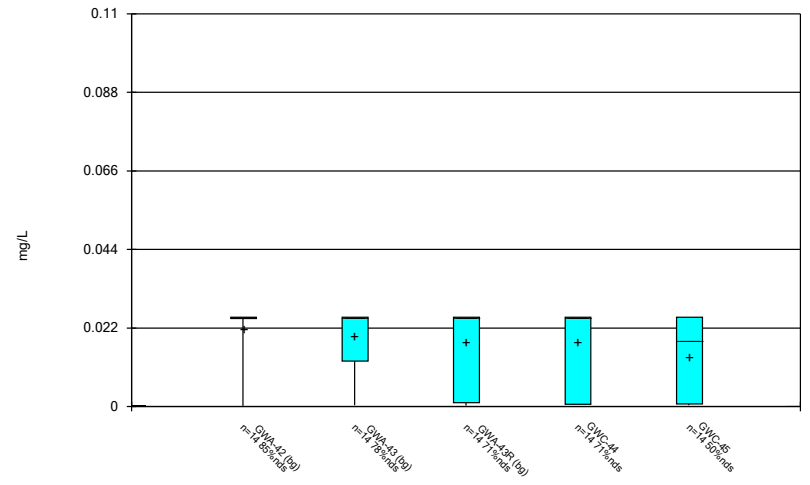
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Box & Whiskers Plot



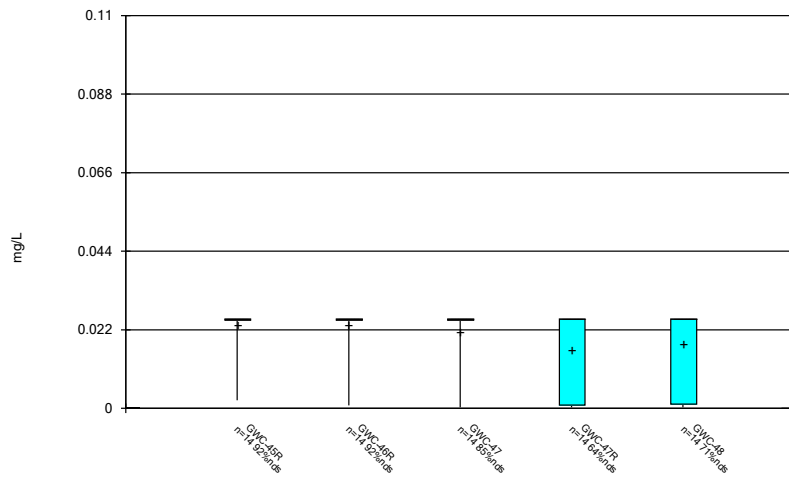
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Box & Whiskers Plot



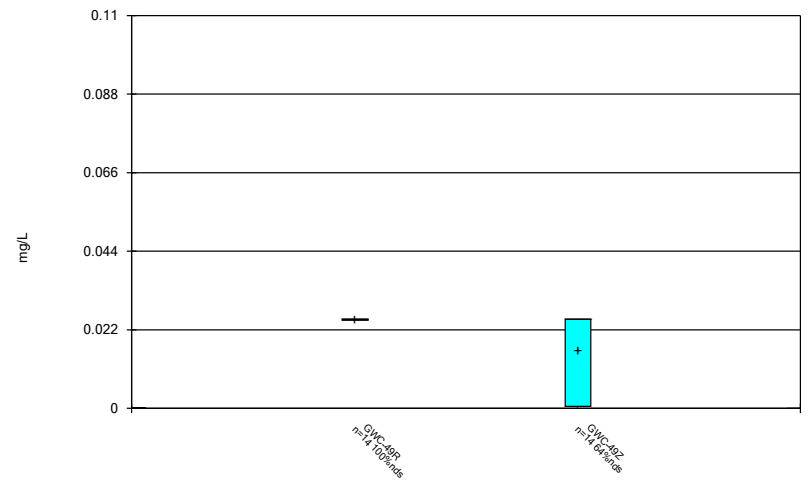
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



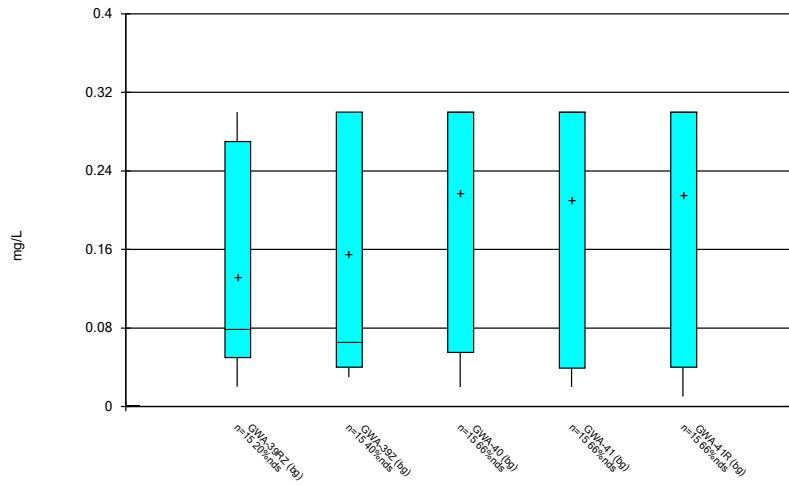
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Box & Whiskers Plot



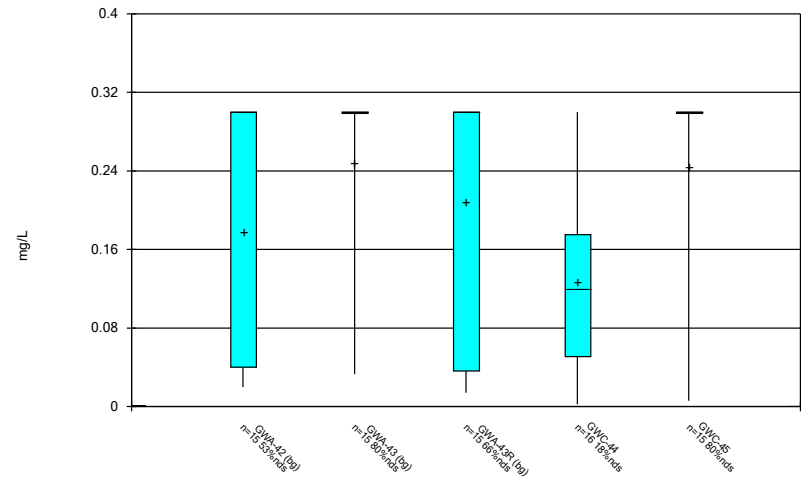
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Box & Whiskers Plot



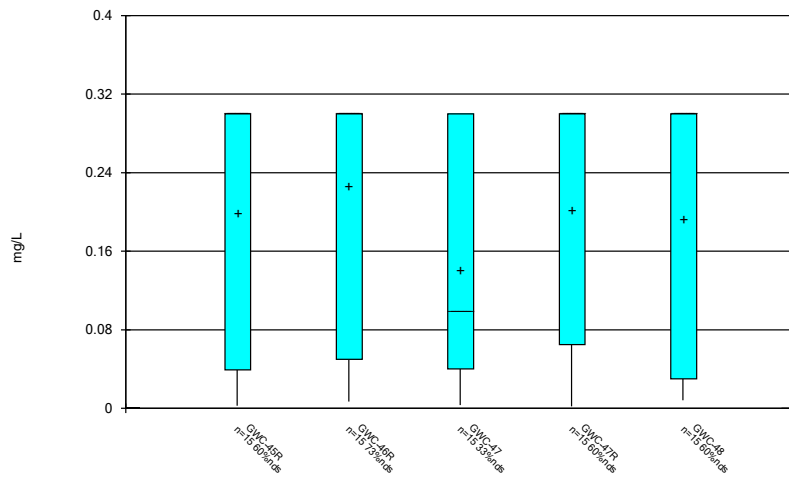
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Box & Whiskers Plot



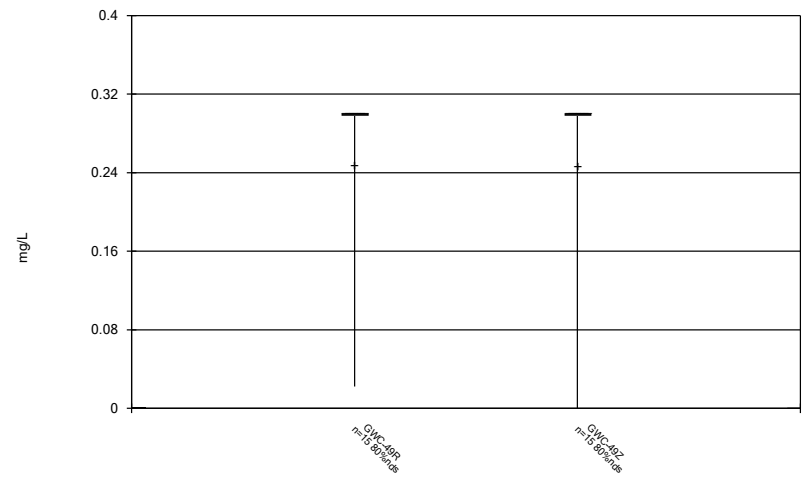
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Box & Whiskers Plot



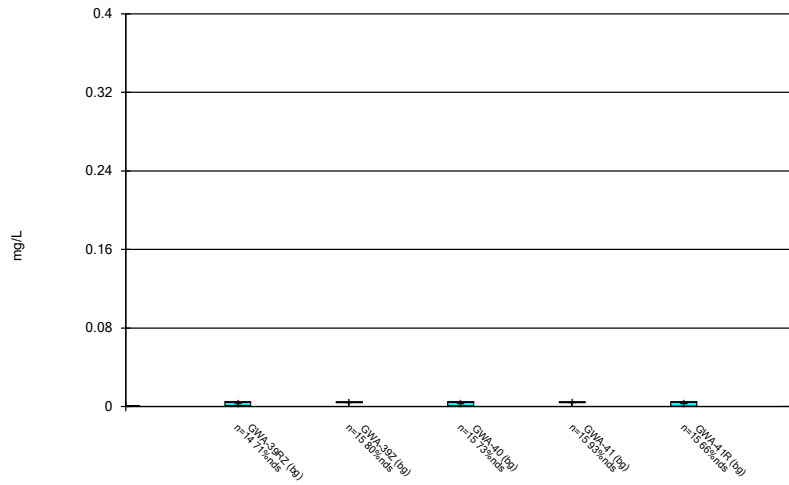
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Box & Whiskers Plot



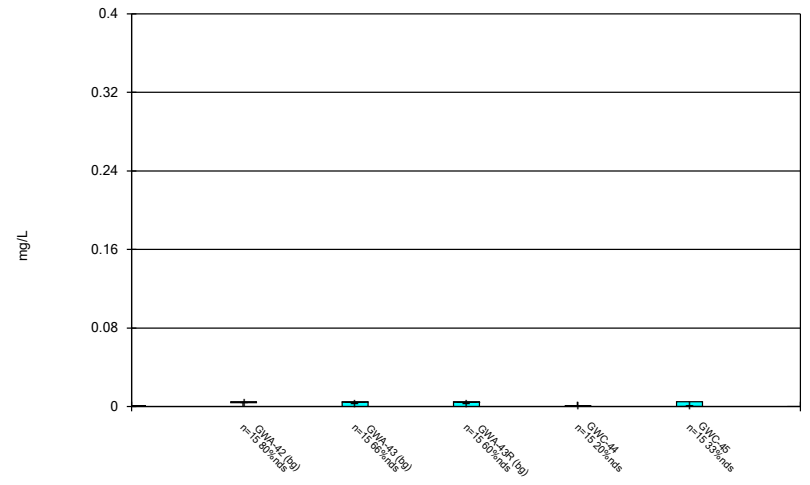
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Box & Whiskers Plot



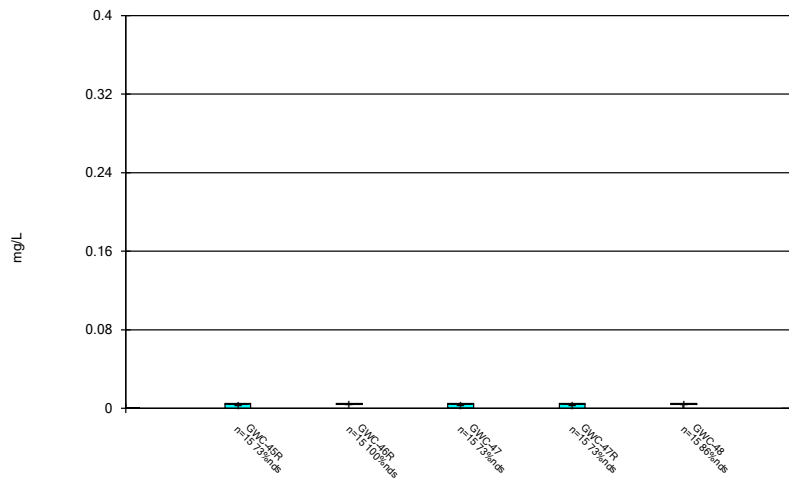
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



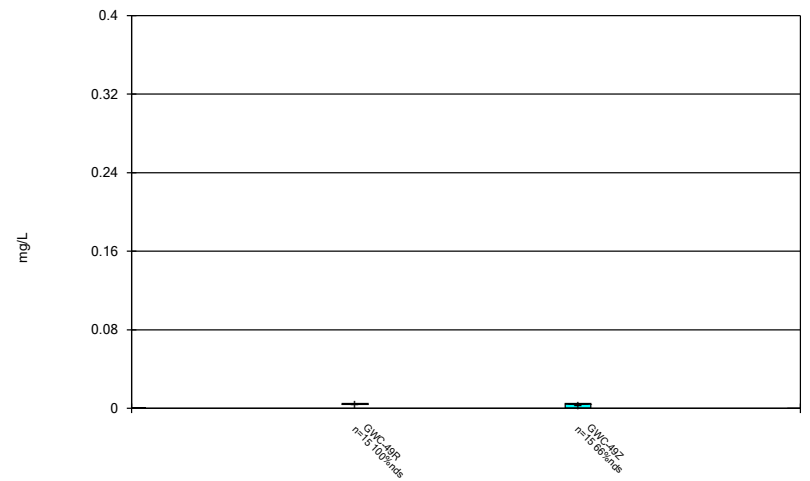
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Box & Whiskers Plot



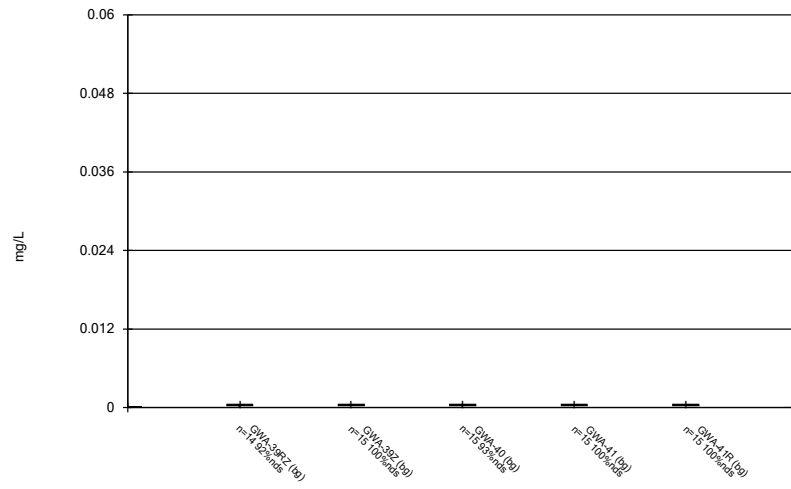
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Box & Whiskers Plot



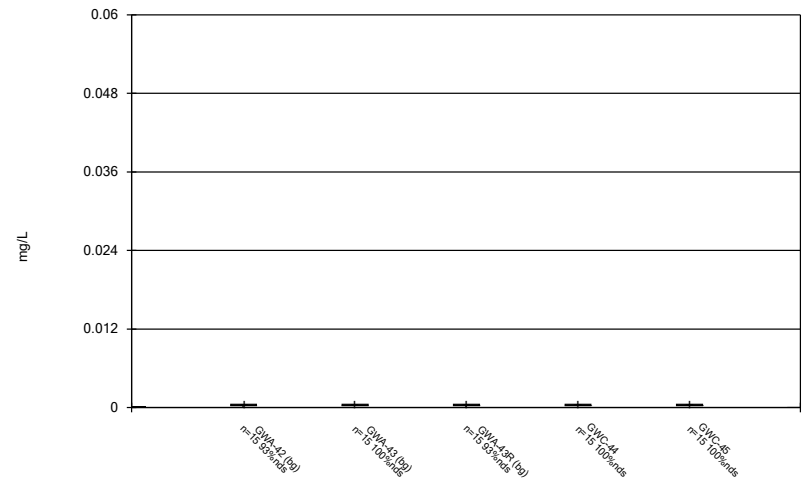
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Box & Whiskers Plot



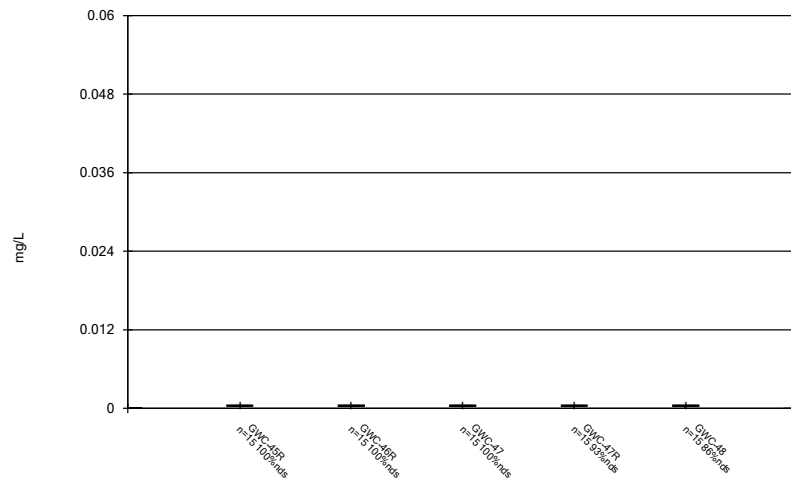
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Box & Whiskers Plot



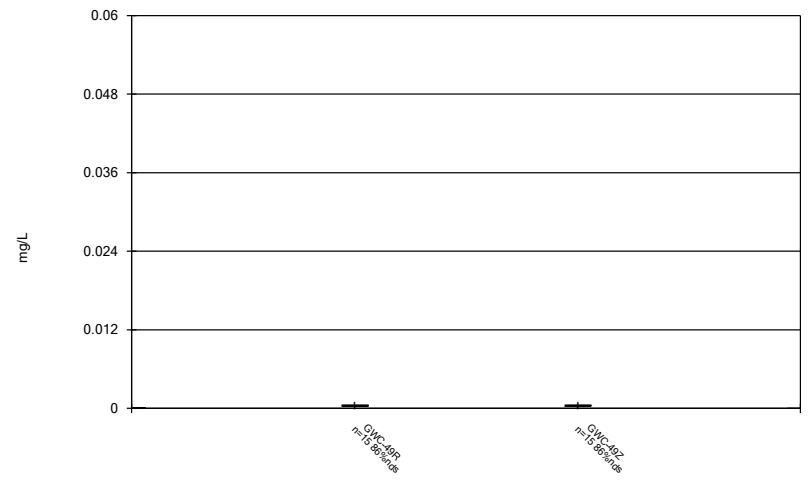
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Box & Whiskers Plot



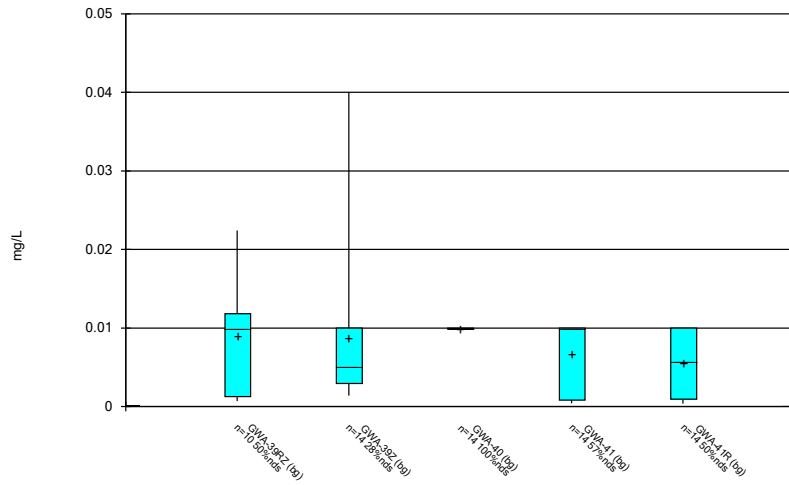
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Box & Whiskers Plot



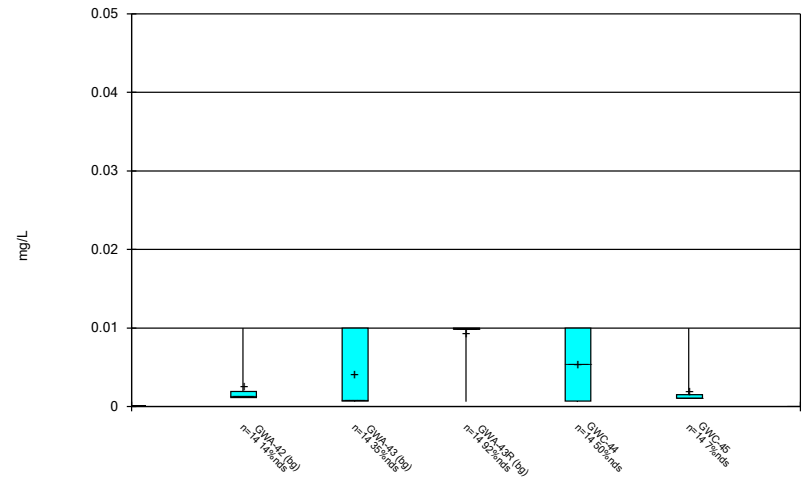
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Box & Whiskers Plot



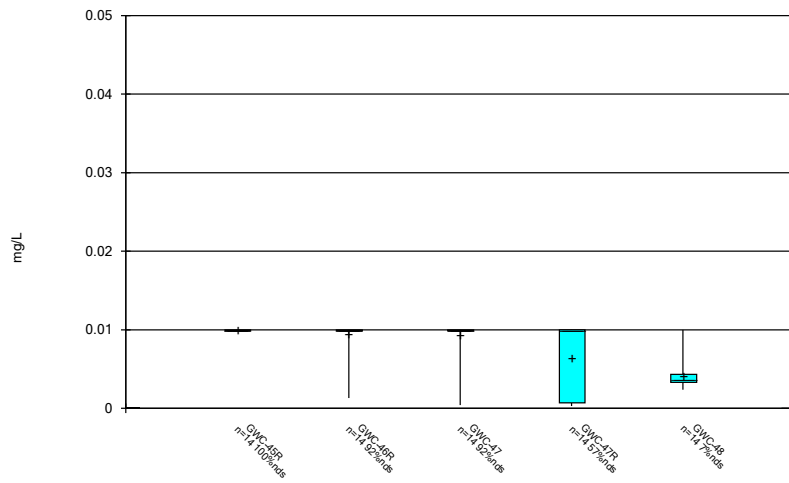
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



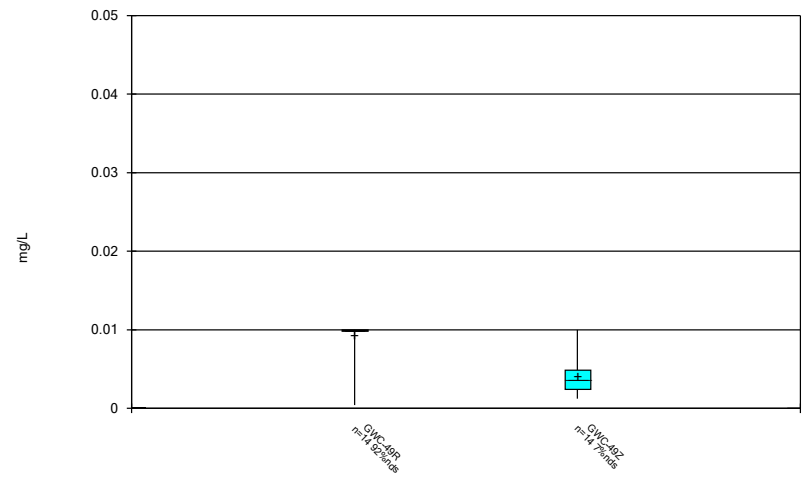
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



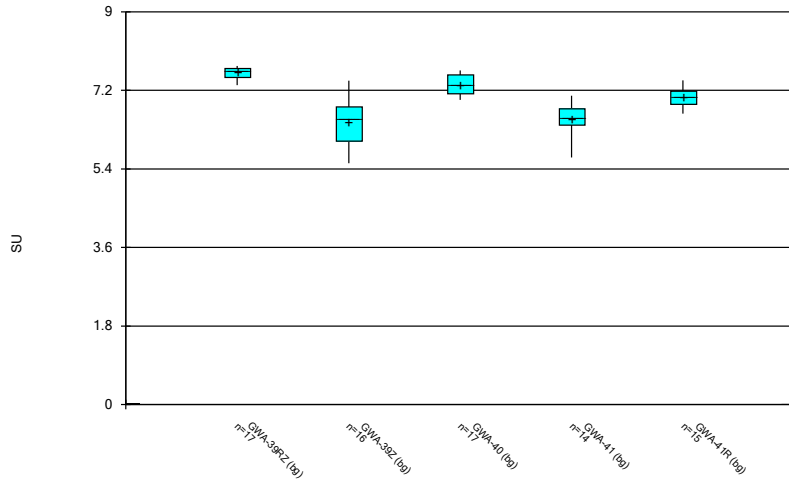
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



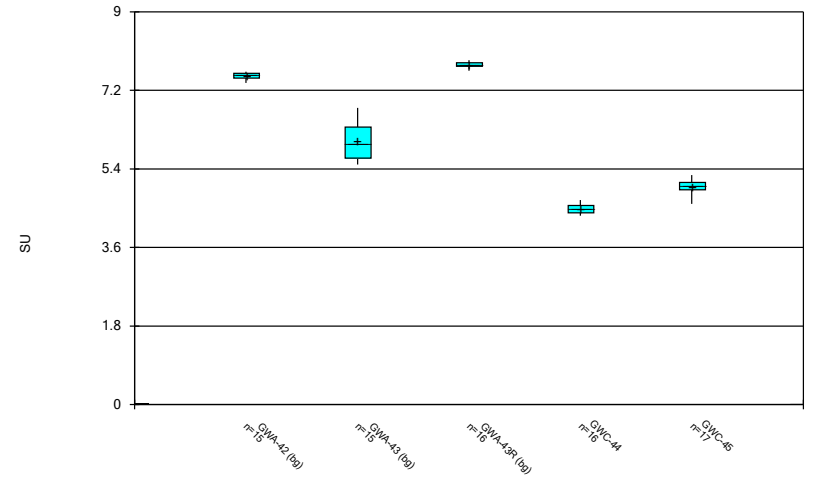
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



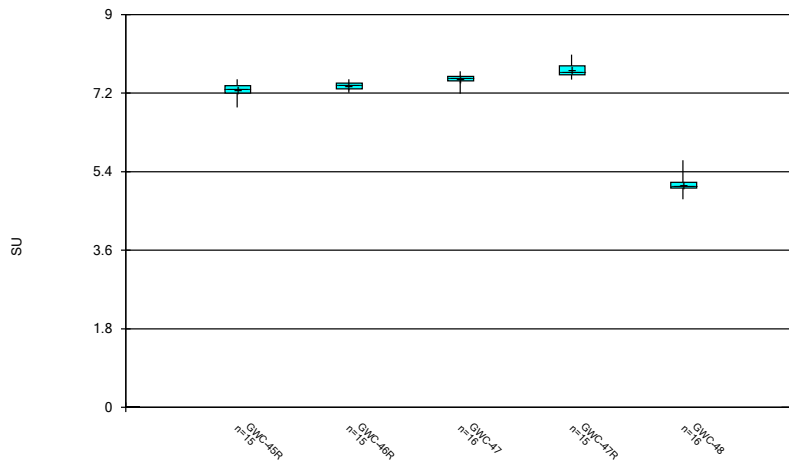
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



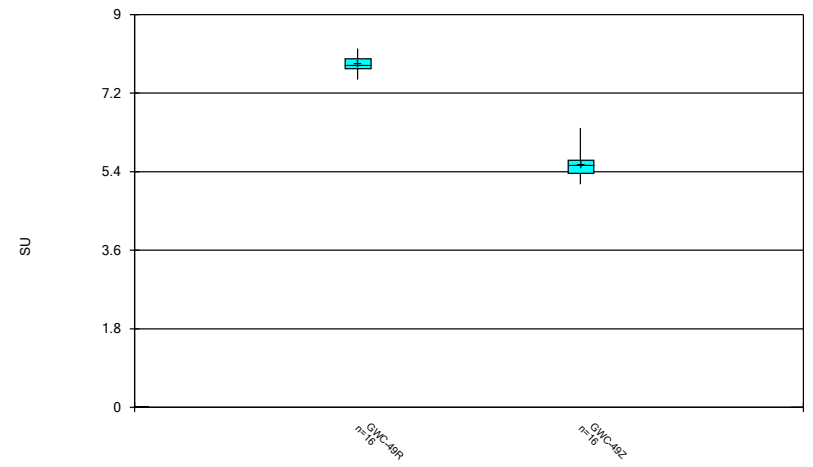
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



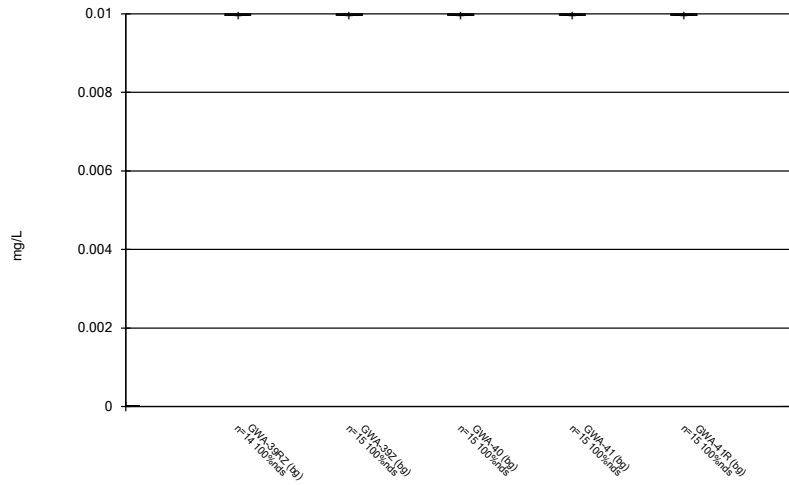
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Box & Whiskers Plot



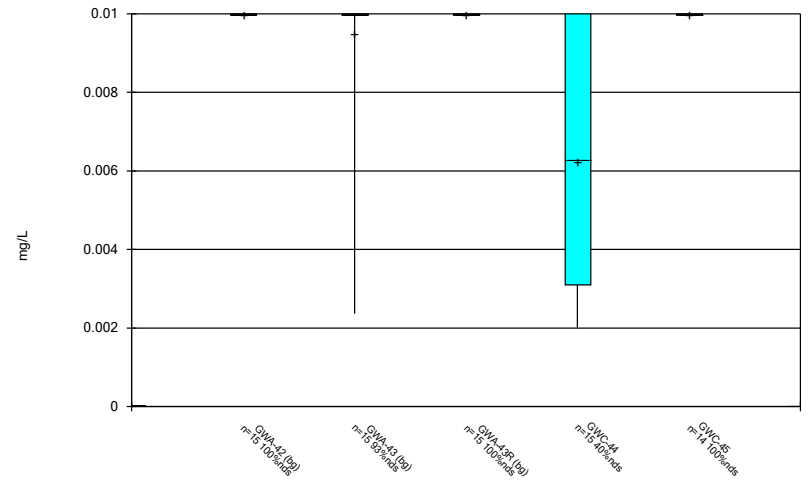
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



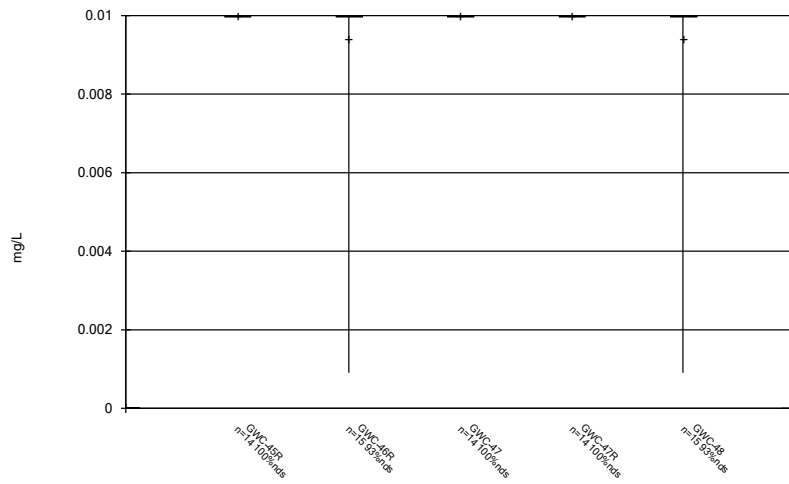
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



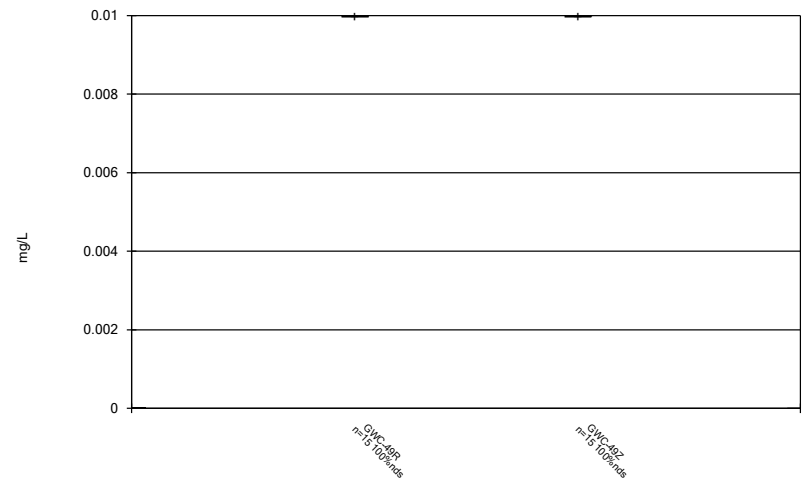
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



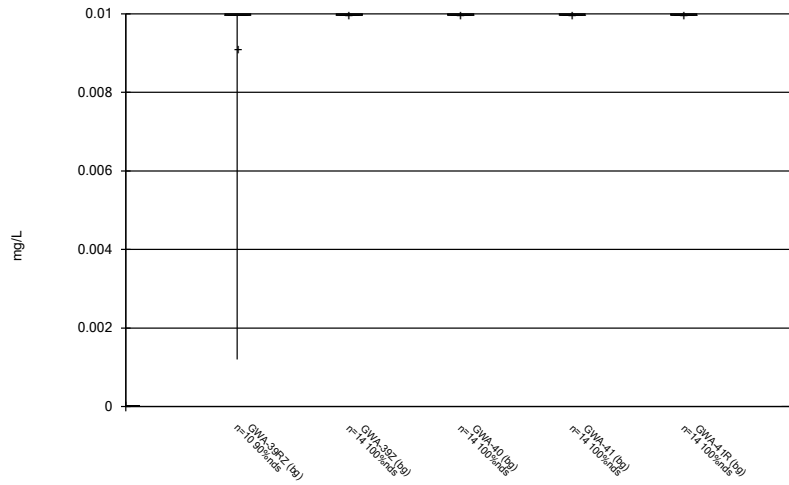
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Box & Whiskers Plot



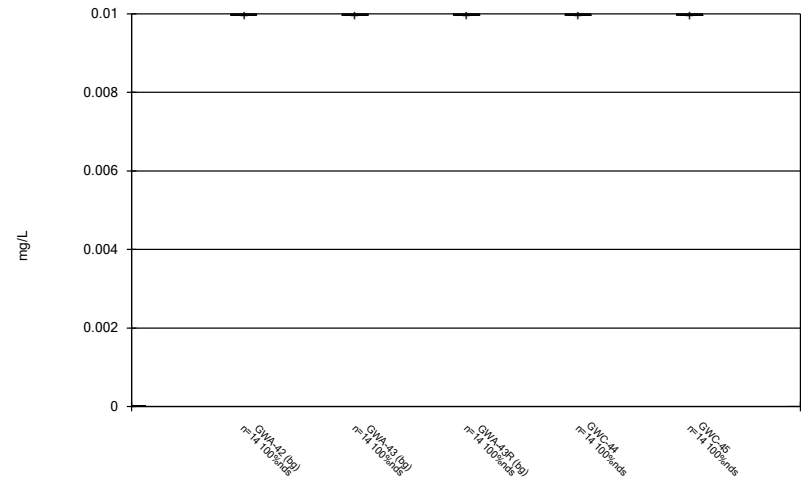
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Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



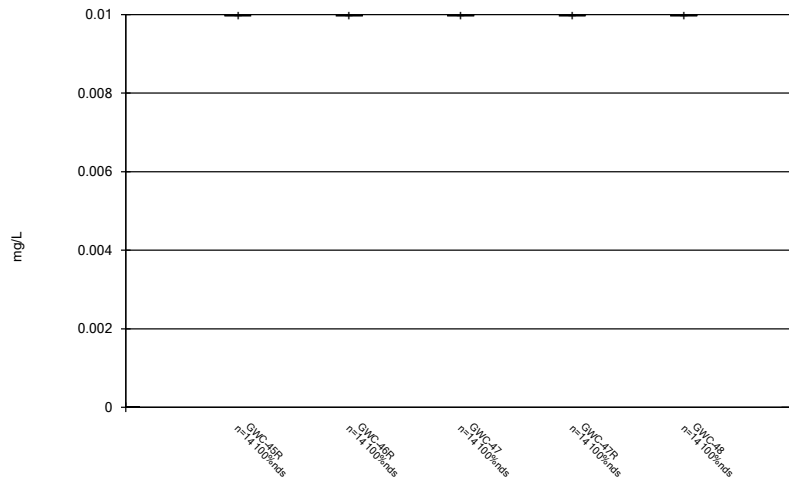
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



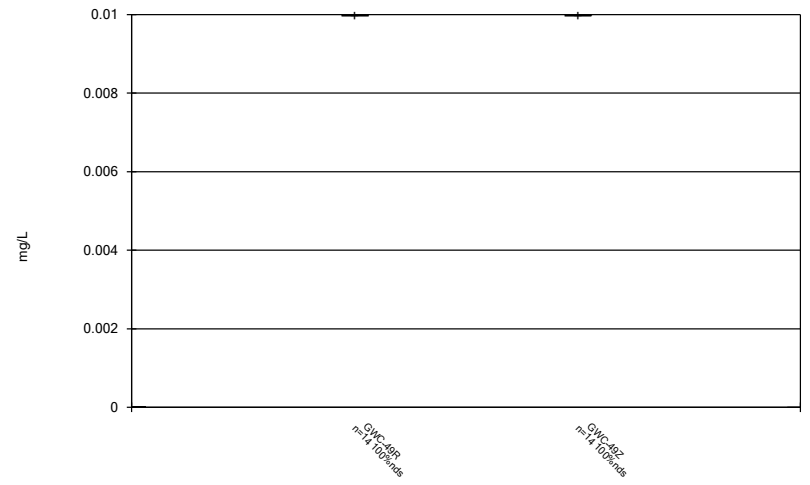
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



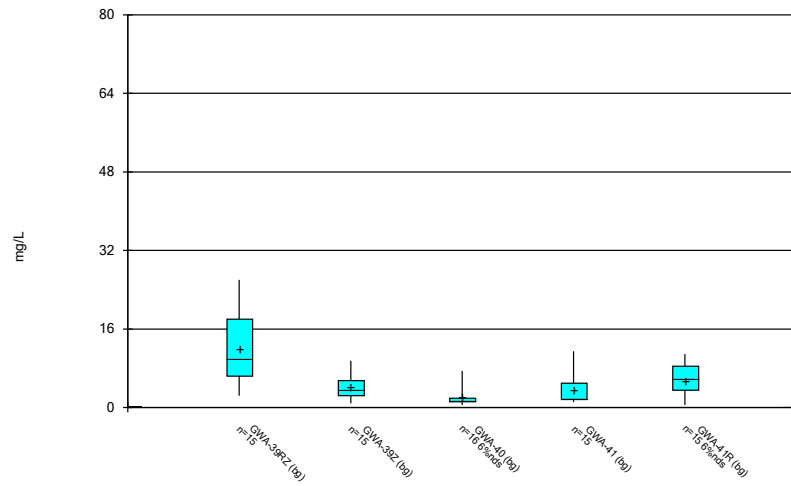
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Box & Whiskers Plot



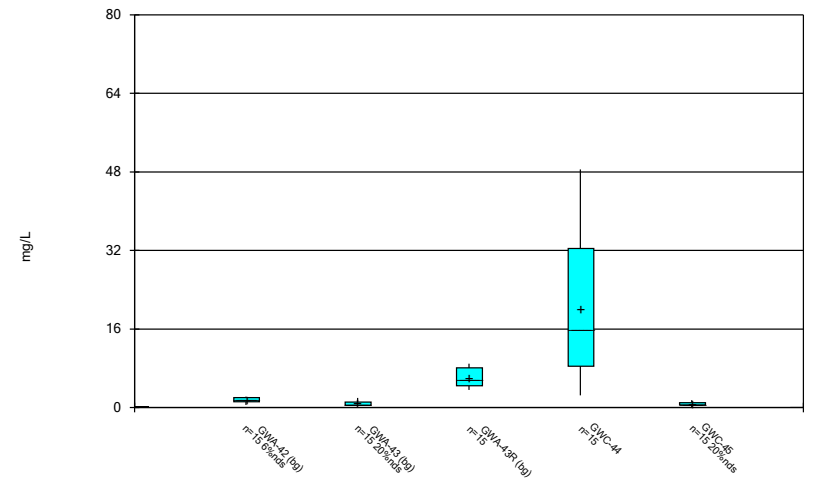
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Box & Whiskers Plot



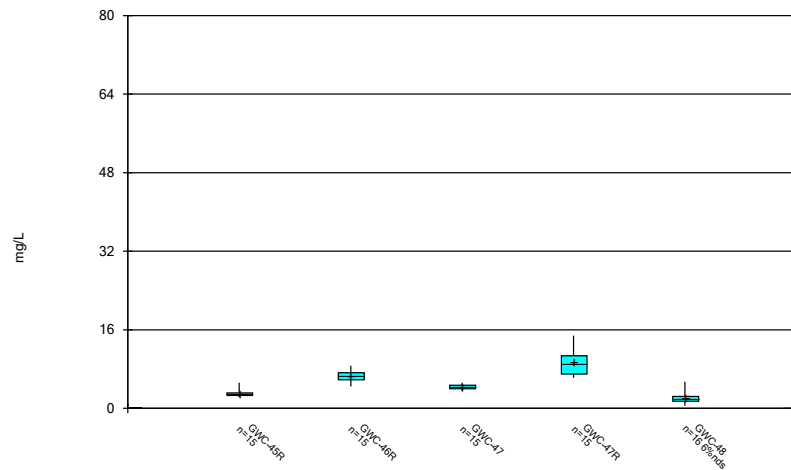
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Box & Whiskers Plot



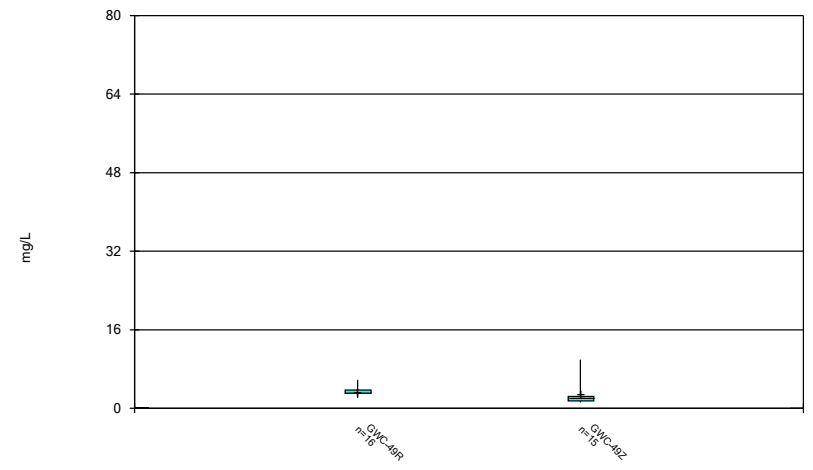
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



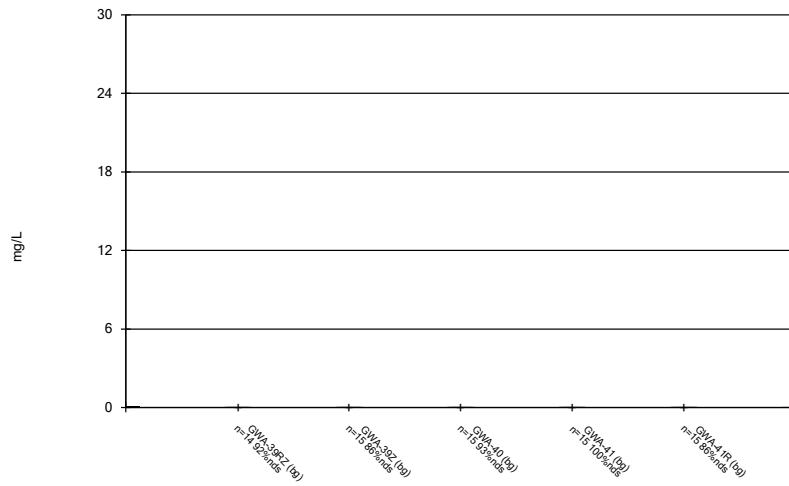
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Box & Whiskers Plot



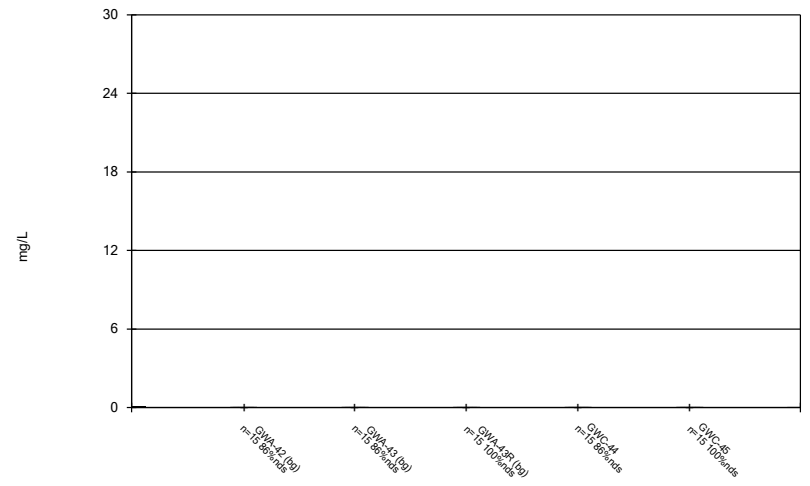
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



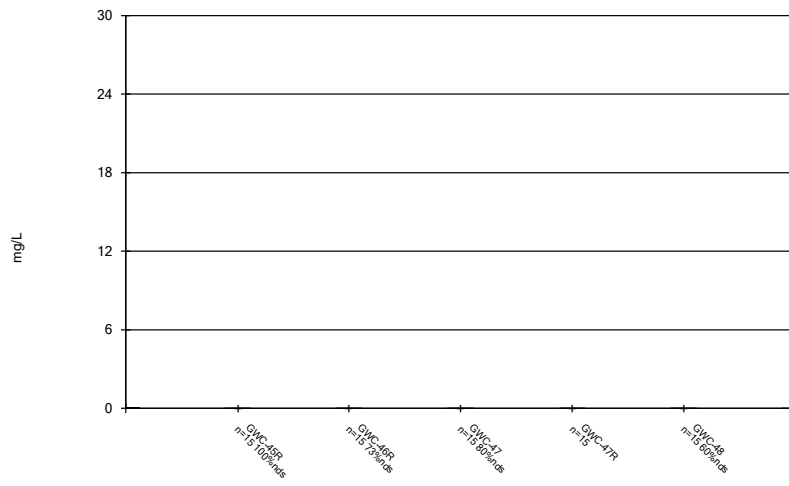
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



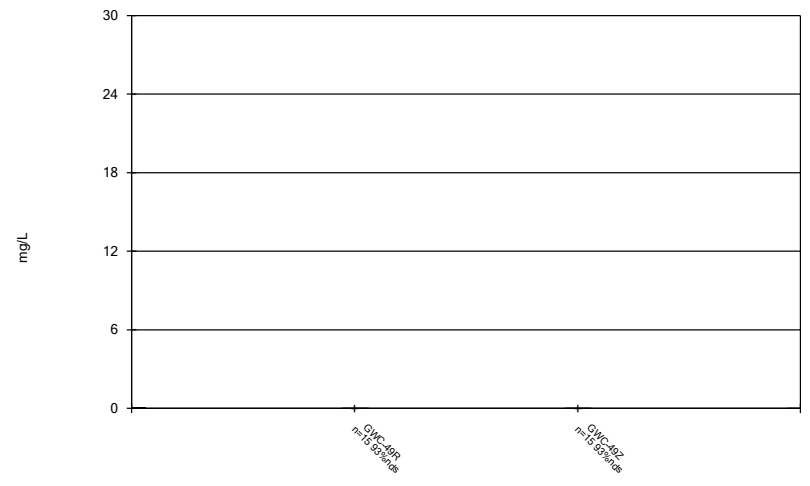
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



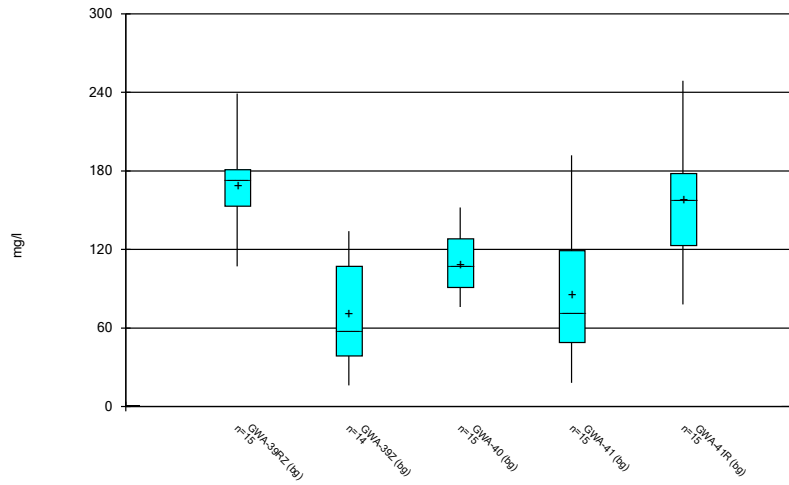
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Box & Whiskers Plot



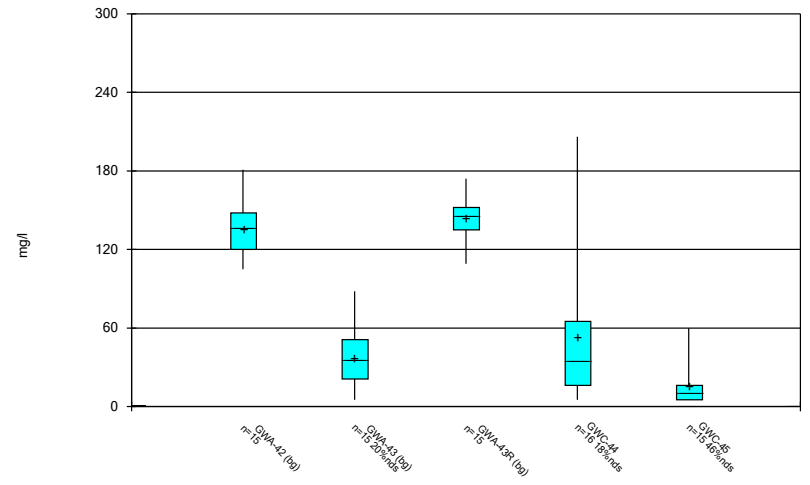
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



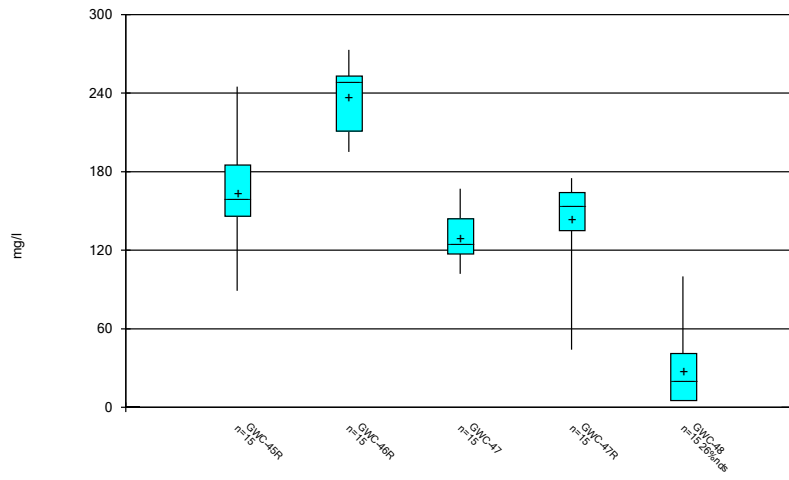
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Box & Whiskers Plot



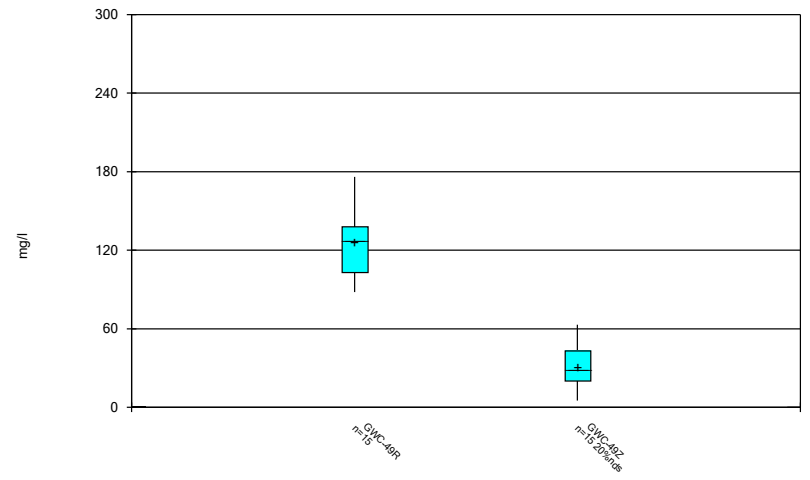
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



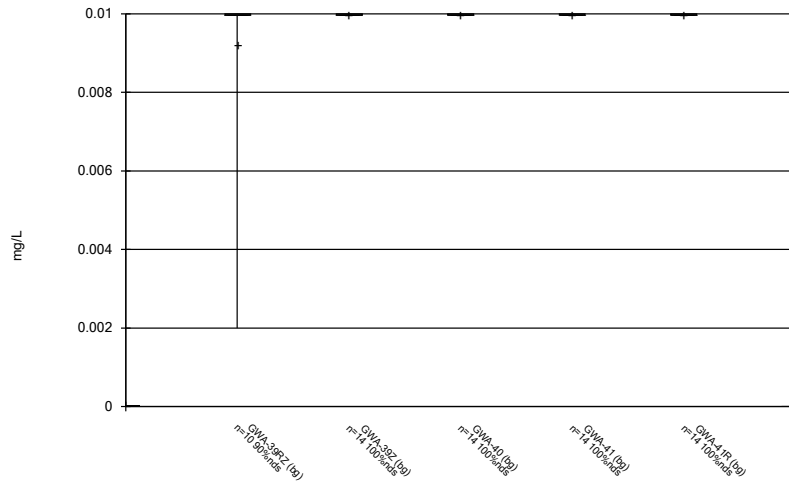
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 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



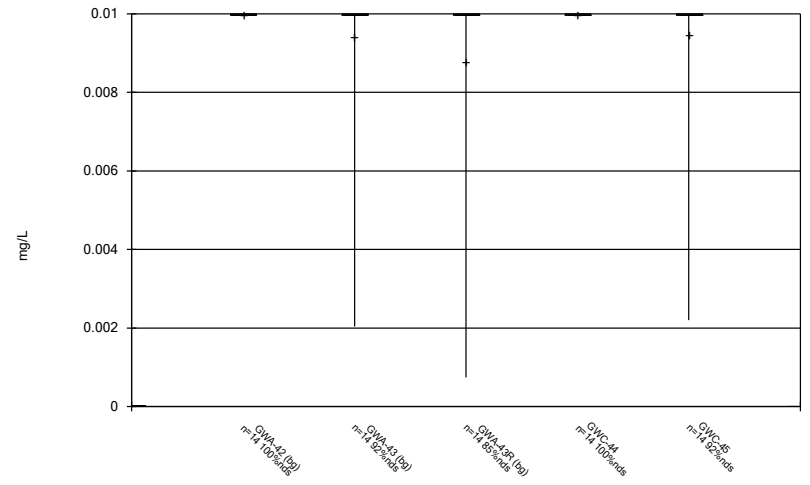
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Box & Whiskers Plot



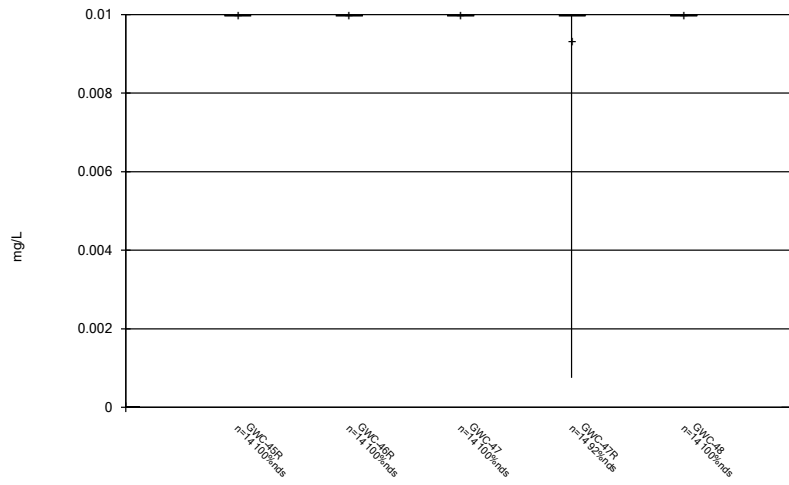
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Box & Whiskers Plot



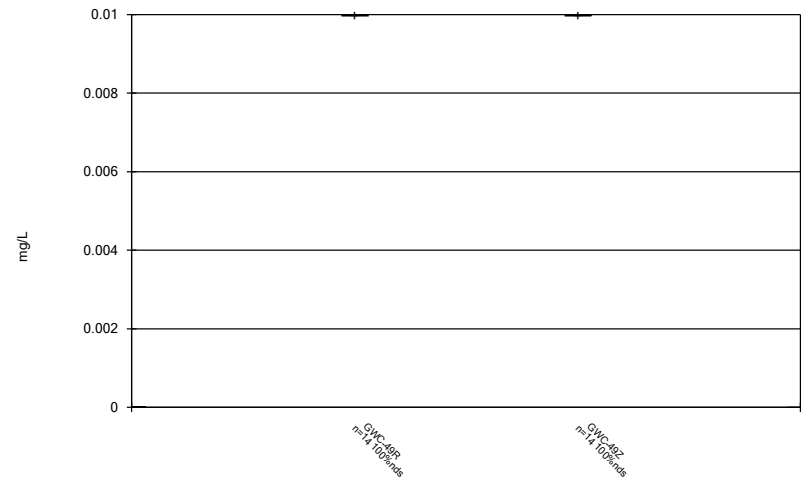
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Box & Whiskers Plot



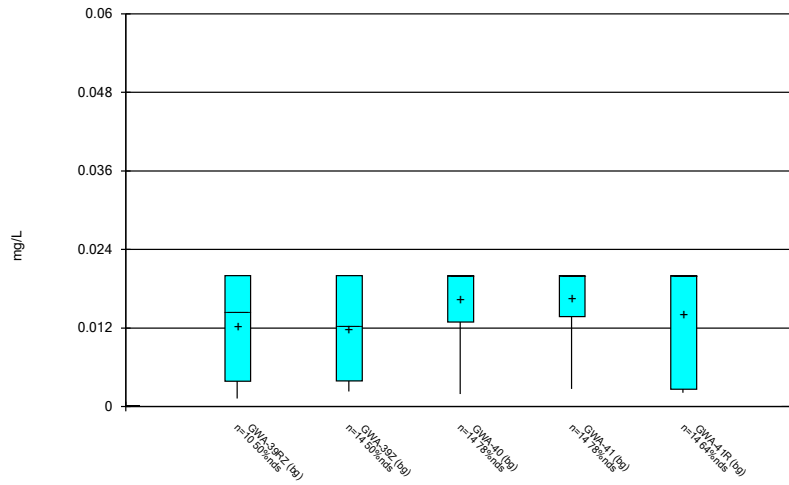
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Box & Whiskers Plot



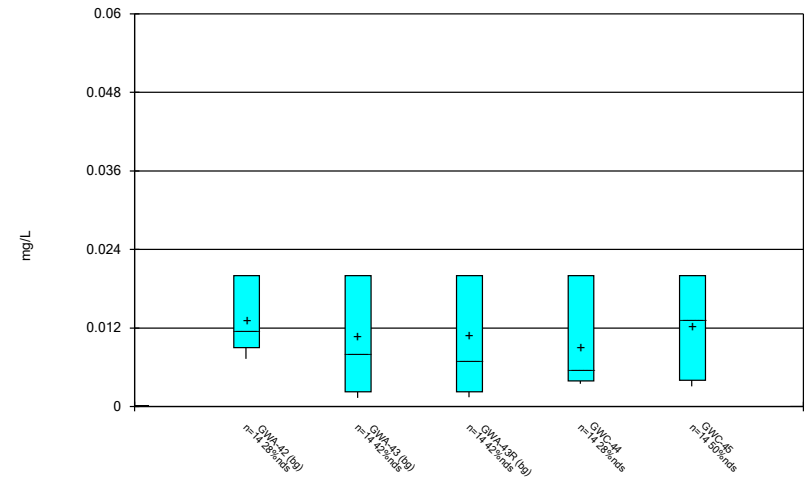
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Box & Whiskers Plot



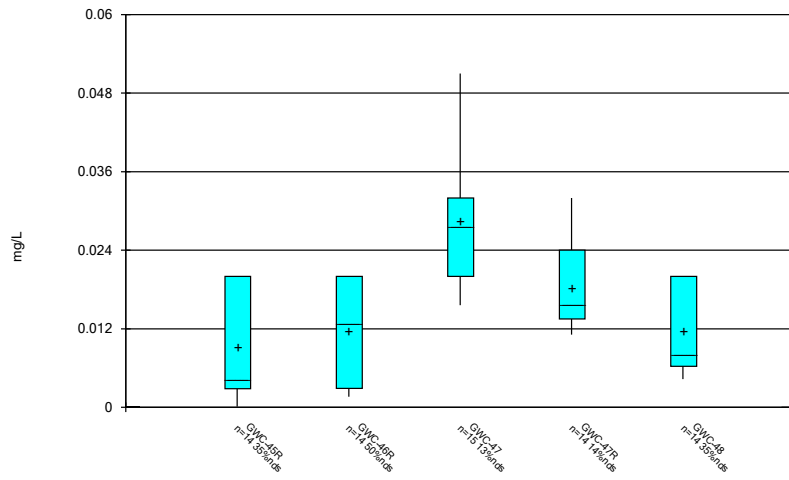
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Box & Whiskers Plot



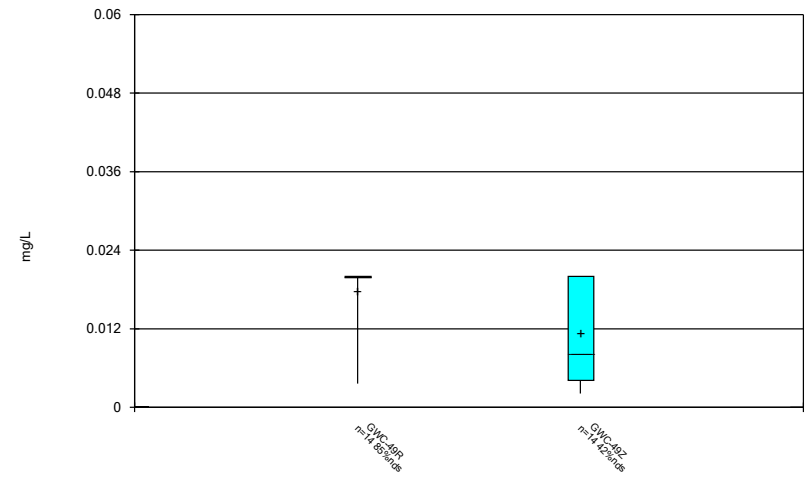
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Box & Whiskers Plot



Constituent: Zinc Analysis Run 1/26/2021 3:32 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 1/26/2021 3:32 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 11/1/2020, 7:00 AM

GWC-45 Antimony (mg/L) GWC-44 Arsenic (mg/L) GWC-47R Arsenic (mg/L) GWA-40 Barium (mg/L) GWC-44 Barium (mg/L) GWC-45 Barium (mg/L) GWC-47R Barium (mg/L) GWA-42 Beryllium (mg/L) GWC-45R Cadmium (mg/L) GWC-48 Cadmium (mg/L)

Date	GWC-45 Antimony (mg/L)	GWC-44 Arsenic (mg/L)	GWC-47R Arsenic (mg/L)	GWA-40 Barium (mg/L)	GWC-44 Barium (mg/L)	GWC-45 Barium (mg/L)	GWC-47R Barium (mg/L)	GWA-42 Beryllium (mg/L)	GWC-45R Cadmium (mg/L)	GWC-48 Cadmium (mg/L)
3/10/2016			0.0551 (o)				0.0344 (o)			0.0195 (Jo)
3/11/2016								<0.005 (o)		
3/15/2016				<3 (o)						
3/16/2016		0.0657 (o)			<3 (o)	0.6294 (o)			0.0167 (o)	
5/16/2016								<0.003 (o)		
5/18/2016										
9/27/2017	0.0111 (o)									
3/14/2019										

GWC-47 Chromium (mg/L) GWC-47R Chromium (mg/L) GWC-44 Sulfate (mg/L)

Date	GWC-47 Chromium (mg/L)	GWC-47R Chromium (mg/L)	GWC-44 Sulfate (mg/L)
3/10/2016	0.0439 (o)		
3/11/2016			
3/15/2016			
3/16/2016			
5/16/2016			
5/18/2016		0.00606 (Jo)	
9/27/2017			
3/14/2019			79.7 (O)

FIGURE D.

State Bedrock Intrawell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWA-39RZ	0.01964	n/a	9/16/2020	0.027	Yes	11	0.01544	0.002236	0	None	No	0.0008228	Param Intra 1 of 3	
Barium (mg/L)	GWC-49R	0.01169	n/a	9/11/2020	0.012	Yes	11	9.9e-7	3.2e-7	9.091	None	x^3	0.0008228	Param Intra 1 of 3	
Zinc (mg/L)	GWC-47R	0.01788	n/a	9/15/2020	0.028	Yes	10	0.0133	0.002353	20	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3	

State Bedrock Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-39RZ	0.007699	n/a	9/16/2020	0.0028J	No	11	0.003012	0.002494	18.18	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWA-41R	0.0035	n/a	9/10/2020	0.0019J	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-43R	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-45R	0.003517	n/a	9/11/2020	0.00043J	No	11	0.001604	0.001018	27.27	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWC-46R	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-47R	0.001616	n/a	9/15/2020	0.00053J	No	11	0.03034	0.005246	45.45	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Antimony (mg/L)	GWC-49R	0.003	n/a	9/11/2020	0.0011J	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	9/16/2020	0.005ND	No	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-41R	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-43R	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-45R	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-46R	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-47R	0.005	n/a	9/15/2020	0.005ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Arsenic (mg/L)	GWC-49R	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-39RZ	0.01964	n/a	9/16/2020	0.027	Yes	11	0.01544	0.002236	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWA-41R	0.0447	n/a	9/10/2020	0.031	No	11	0.02243	0.01186	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWA-43R	0.008996	n/a	9/14/2020	0.0075J	No	11	0.008105	0.0004743	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-45R	0.02411	n/a	9/11/2020	0.021	No	11	0.02006	0.002154	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-46R	0.02079	n/a	9/14/2020	0.013	No	11	0.01549	0.002822	0	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-47R	0.01808	n/a	9/15/2020	0.0084J	No	10	0.01146	0.003404	10	None	No	0.0008228	Param Intra 1 of 3
Barium (mg/L)	GWC-49R	0.01169	n/a	9/11/2020	0.012	Yes	11	9.9e-7	3.2e-7	9.091	None	x*3	0.0008228	Param Intra 1 of 3
Beryllium (mg/L)	GWA-39RZ	0.003	n/a	9/16/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-41R	0.003	n/a	9/10/2020	0.003ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-43R	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-39RZ	0.0025	n/a	9/16/2020	0.0025ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-39RZ	0.01	n/a	9/16/2020	0.00058J	No	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41R	0.01	n/a	9/10/2020	0.01ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-43R	0.002735	n/a	9/14/2020	0.0011J	No	11	-6.826	0.492	45.45	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-45R	0.01	n/a	9/11/2020	0.00067J	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-46R	0.003994	n/a	9/14/2020	0.006J	No	11	-6.182	0.3505	27.27	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-47R	0.003043	n/a	9/15/2020	0.0017J	No	10	0.001916	0.0005792	0	None	No	0.0008228	Param Intra 1 of 3
Chromium (mg/L)	GWC-49R	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	9/16/2020	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-41R	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-46R	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-39RZ	0.0271	n/a	9/16/2020	0.025ND	No	7	n/a	n/a	71.43	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-41R	0.025	n/a	9/10/2020	0.025ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-43R	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-45R	0.025	n/a	9/11/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-46R	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-47R	0.025	n/a	9/15/2020	0.025ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-39RZ	0.005	n/a	9/16/2020	0.0005J	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-41R	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-43R	0.005	n/a	9/14/2020	0.000066J	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-45R	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-47R	0.005	n/a	9/15/2020	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-39RZ	0.0005	n/a	9/16/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-43R	0.0005	n/a	9/14/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-47R	0.0005	n/a	9/15/2020	0.0005ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-49R	0.0005	n/a	9/11/2020	0.0005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

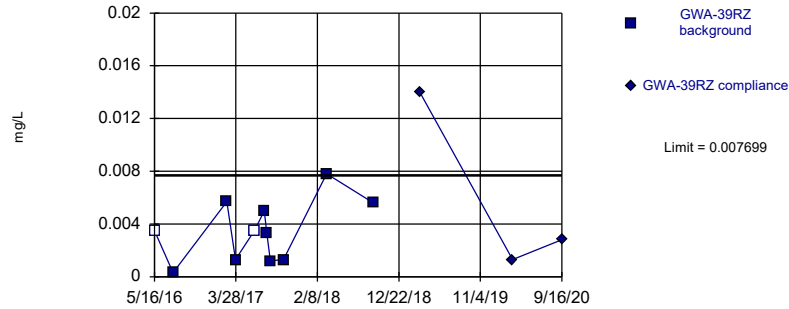
State Bedrock Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	9/16/2020	0.01ND	No	7	n/a	n/a	57.14	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-41R	0.01	n/a	9/10/2020	0.01ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-43R	0.01	n/a	9/14/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-46R	0.01	n/a	9/14/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-47R	0.01	n/a	9/15/2020	0.01ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-49R	0.01	n/a	9/11/2020	0.01ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-46R	0.01	n/a	9/14/2020	0.01ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-39RZ	0.01	n/a	9/16/2020	0.01ND	No	7	n/a	n/a	85.71	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-39RZ	0.001	n/a	9/16/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-41R	0.001	n/a	9/10/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-46R	0.001	n/a	9/14/2020	0.001ND	No	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-47R	0.0009583	n/a	9/15/2020	0.00016J	No	11	-7.867	0.4878	0	None	ln(x)	0.0008228	Param Intra 1 of 3
Thallium (mg/L)	GWC-49R	0.001	n/a	9/11/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	9/16/2020	0.01ND	No	7	n/a	n/a	85.71	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-43R	0.01	n/a	9/14/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-47R	0.01	n/a	9/15/2020	0.01ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-39RZ	0.02	n/a	9/16/2020	0.02ND	No	7	n/a	n/a	57.14	n/a	n/a	0.008668	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-41R	0.02	n/a	9/10/2020	0.02ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-43R	0.0106	n/a	9/14/2020	0.02ND	No	10	0.06528	0.01935	50	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-45R	0.007759	n/a	9/11/2020	0.02ND	No	10	0.0511	0.01901	40	Kaplan-Meier	sqrt(x)	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-46R	0.006955	n/a	9/14/2020	0.02ND	No	10	-5.789	0.4217	50	Kaplan-Meier	ln(x)	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-47R	0.01788	n/a	9/15/2020	0.028	Yes	10	0.0133	0.002353	20	Kaplan-Meier	No	0.0008228	Param Intra 1 of 3
Zinc (mg/L)	GWC-49R	0.02	n/a	9/11/2020	0.02ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Within Limit

Prediction Limit
Intrawell Parametric

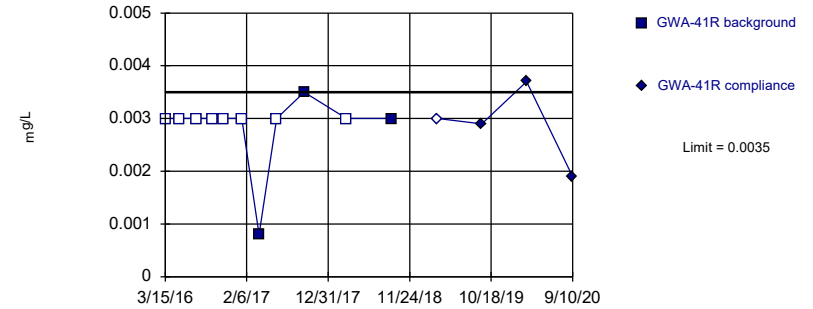


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003012, Std. Dev.=0.002494, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9403, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Antimony Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

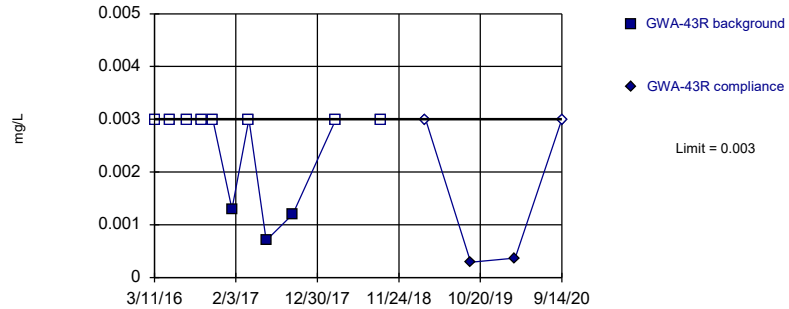


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

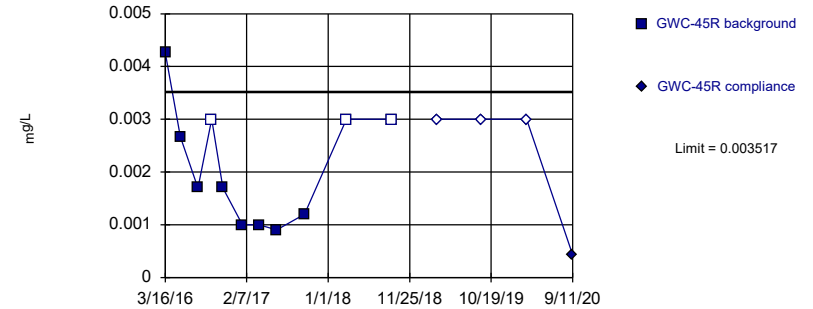


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

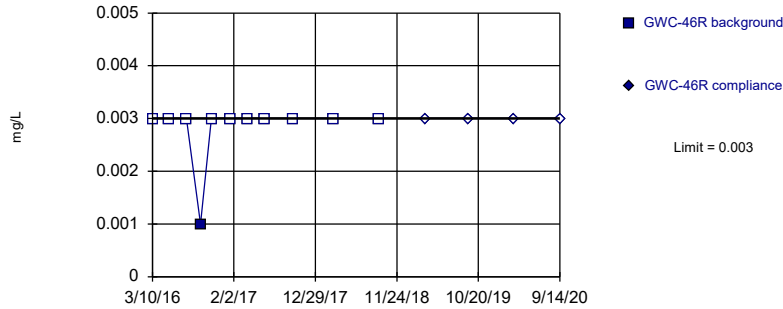


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001604, Std. Dev.=0.001018, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8897, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Antimony Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

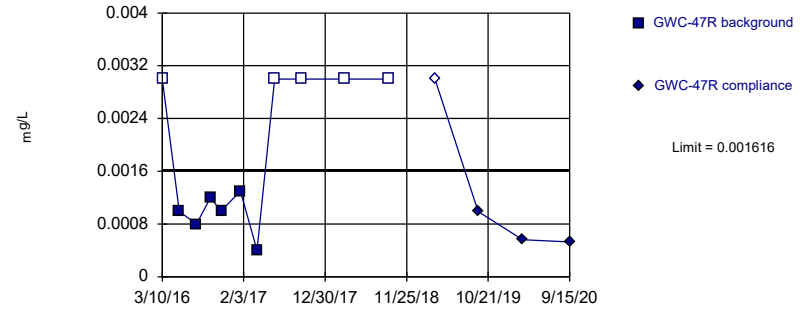


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

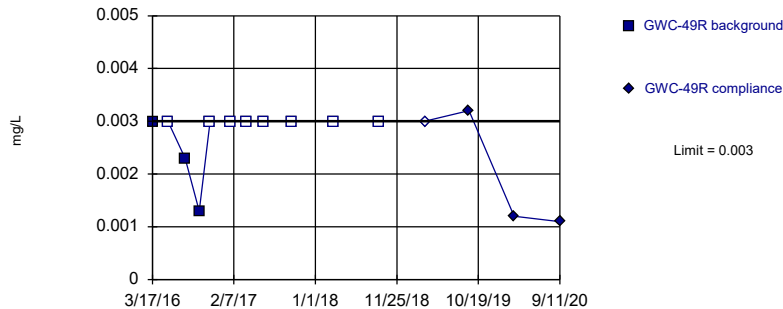


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03034, Std. Dev.=0.005246, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8154, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Antimony Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

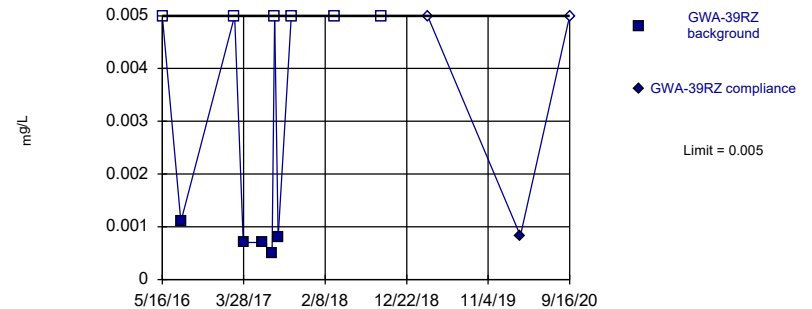


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

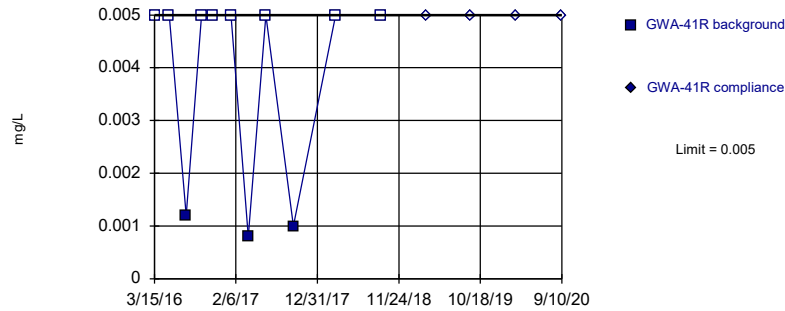


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

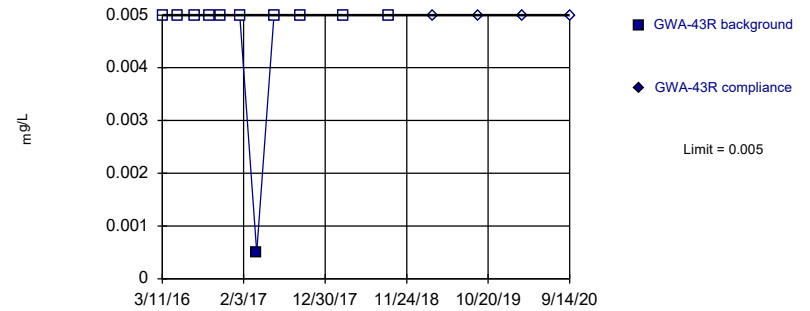


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

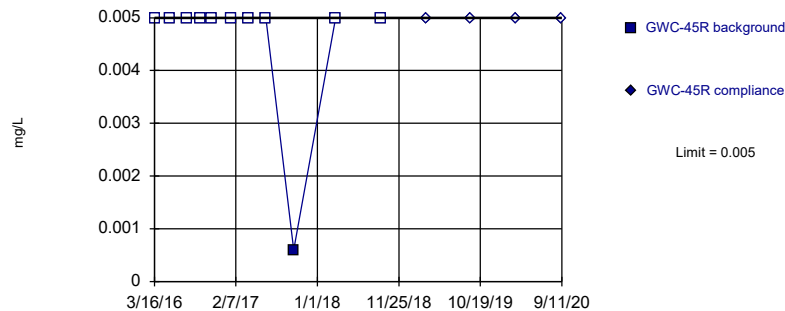


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

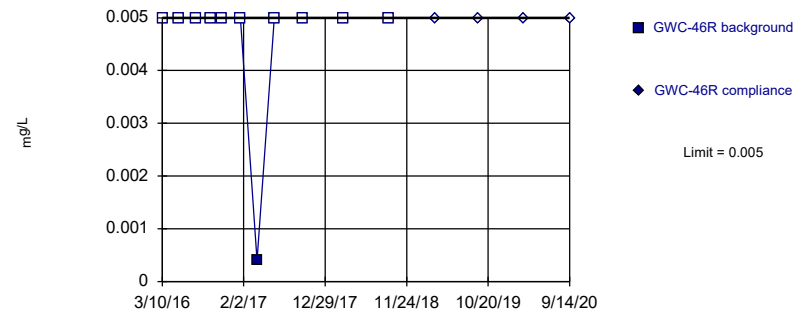


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

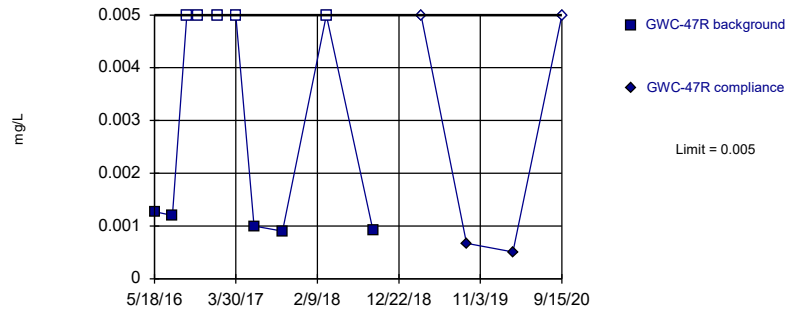


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

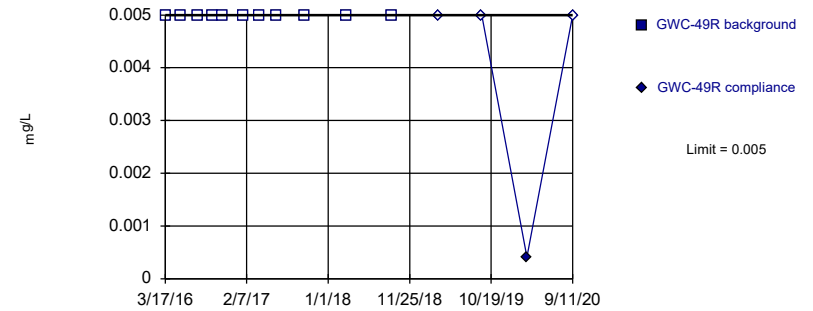


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

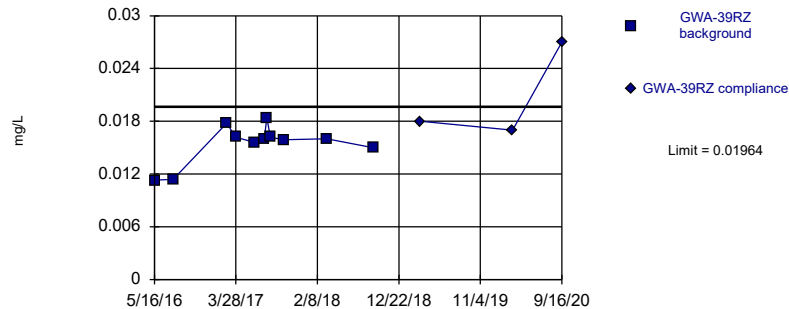


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

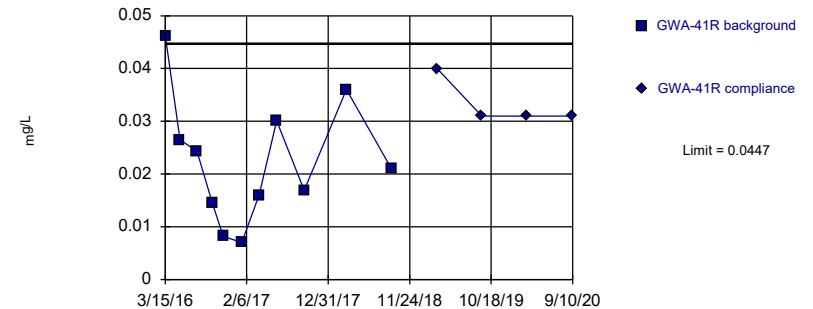


Background Data Summary: Mean=0.01544, Std. Dev.=0.002236, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8351, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

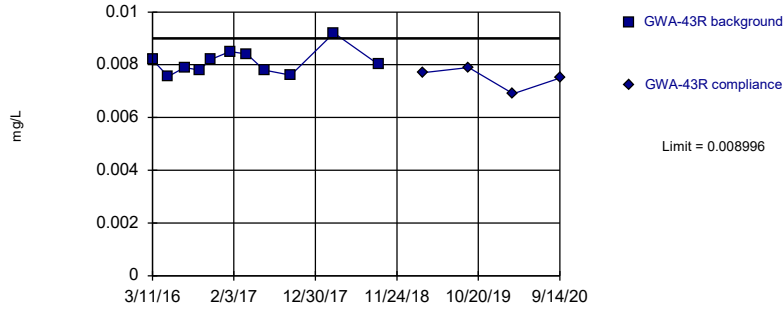


Background Data Summary: Mean=0.02243, Std. Dev.=0.01186, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9589, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Barium Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

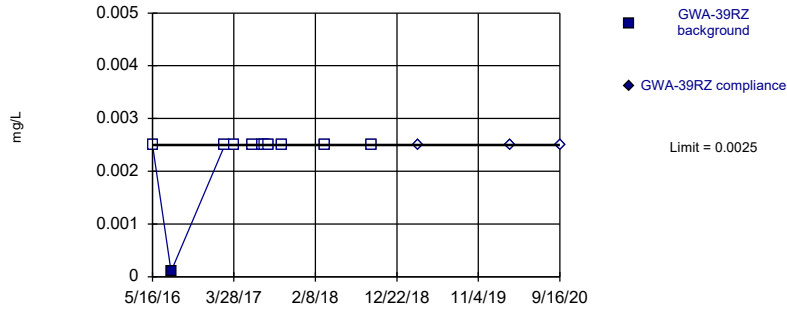
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Non-parametric

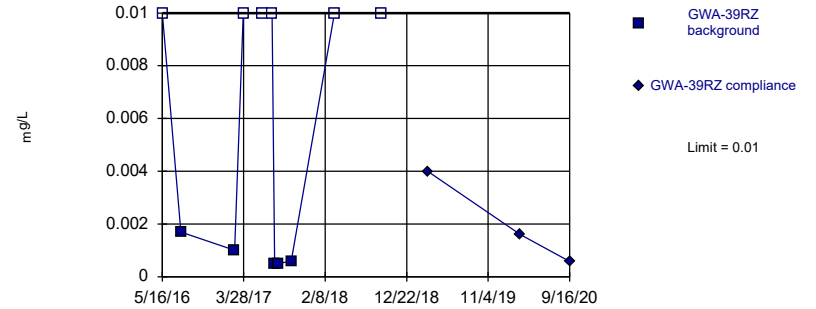


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

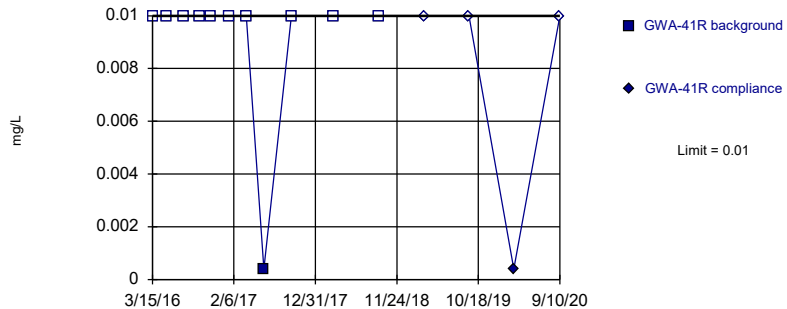


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

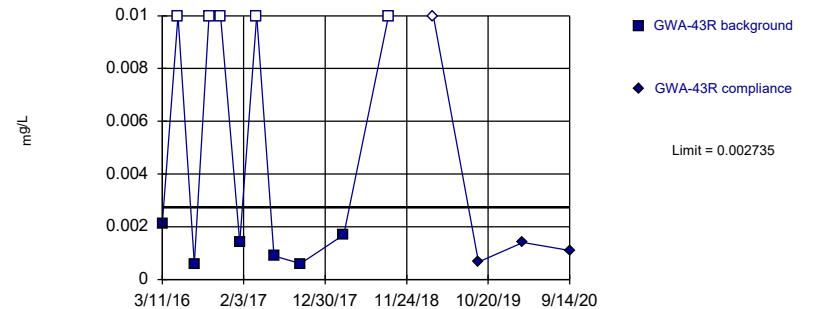


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

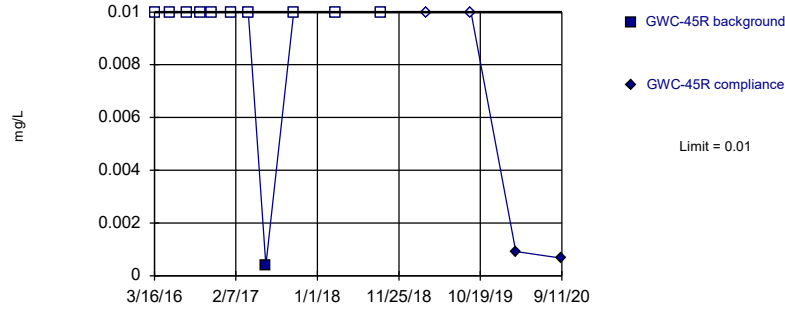


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.826, Std. Dev.=0.492, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8019, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Chromium Analysis Run 10/30/2020 11:55 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

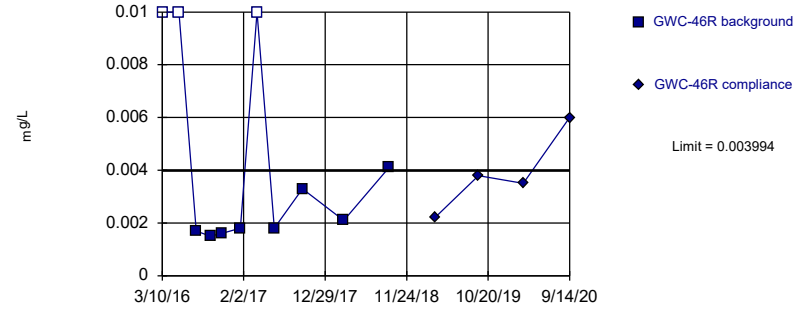


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

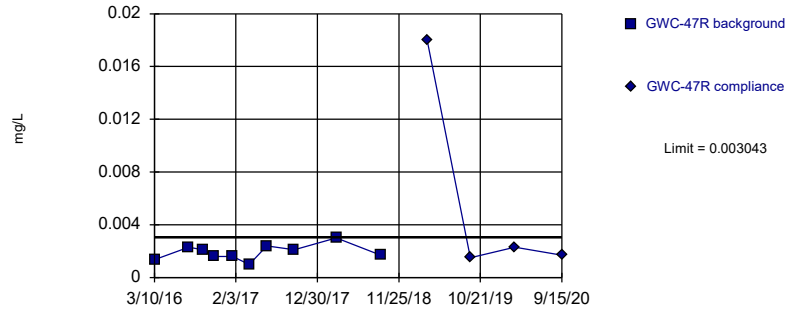


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.182, Std. Dev.=0.3505, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7957, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Chromium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

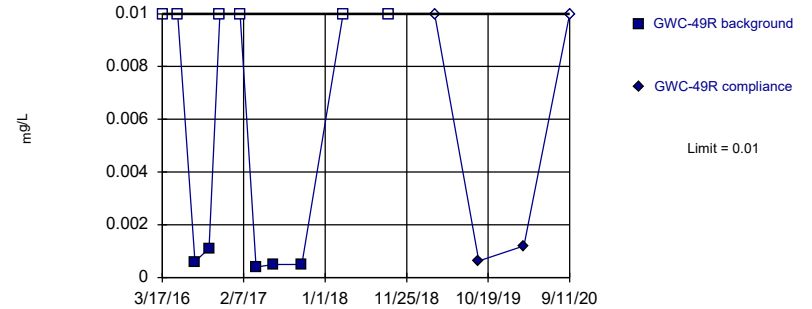


Background Data Summary: Mean=0.001916, Std. Dev.=0.0005792, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9766, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Chromium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

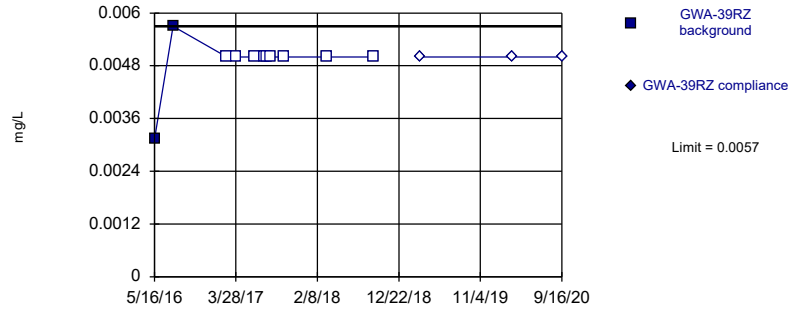


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

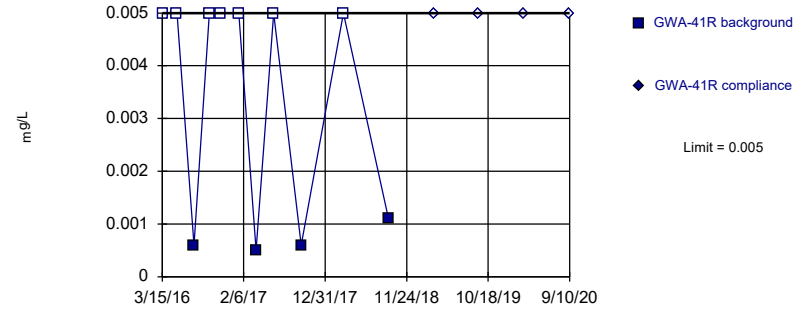


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

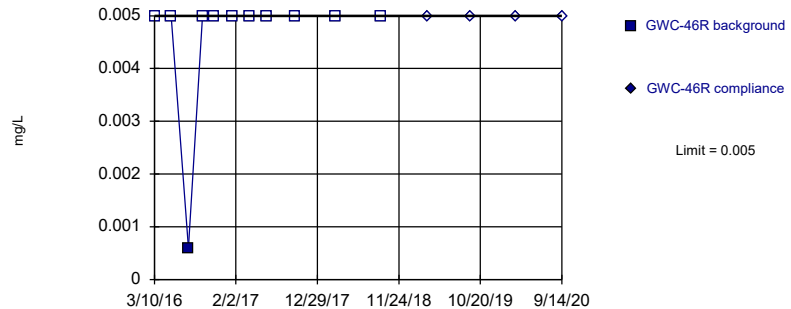


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

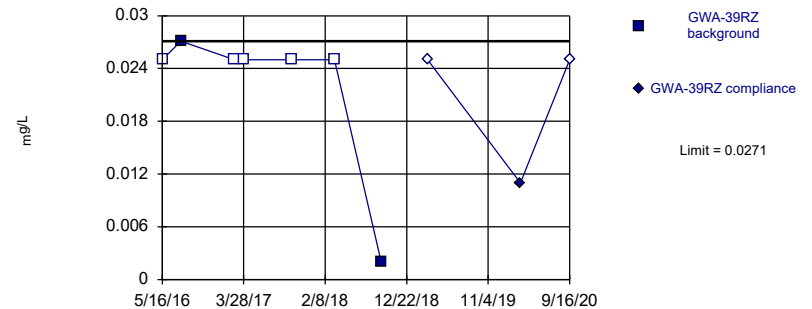


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

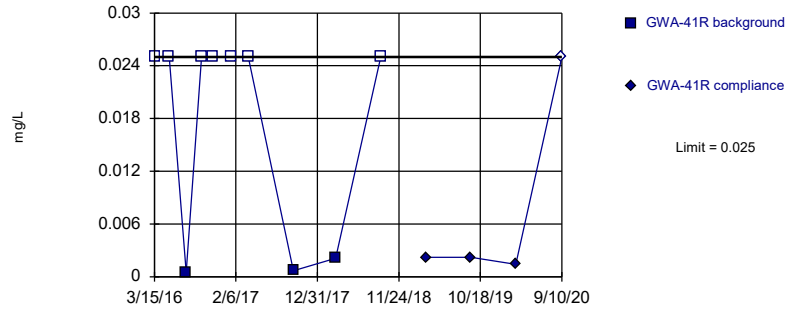


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

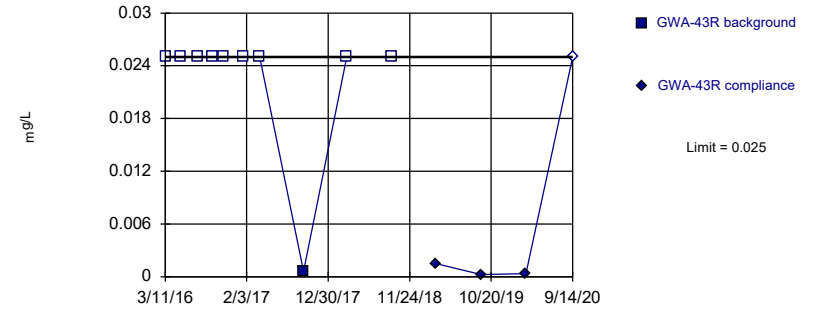


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

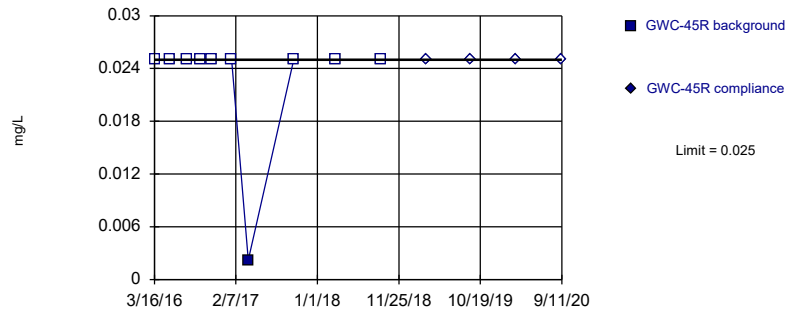


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

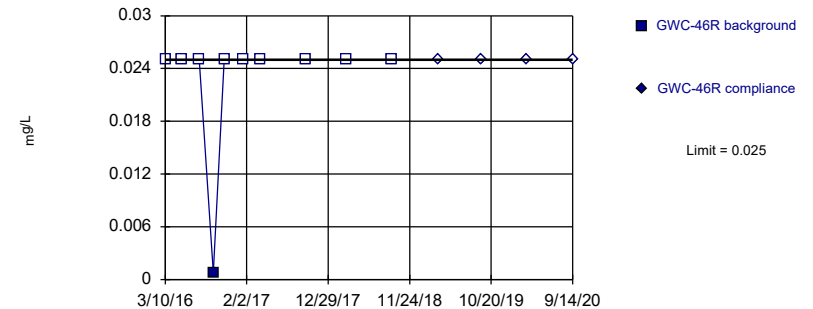


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

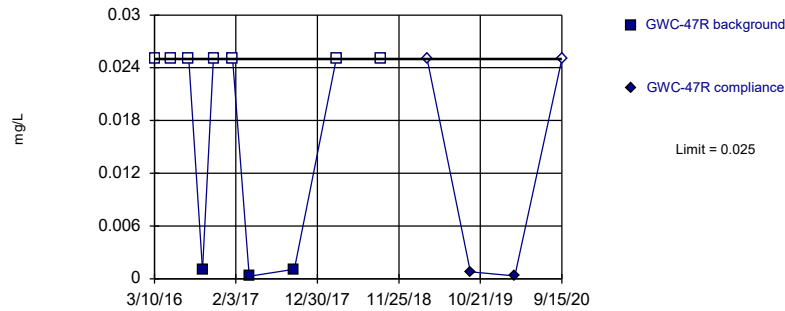


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

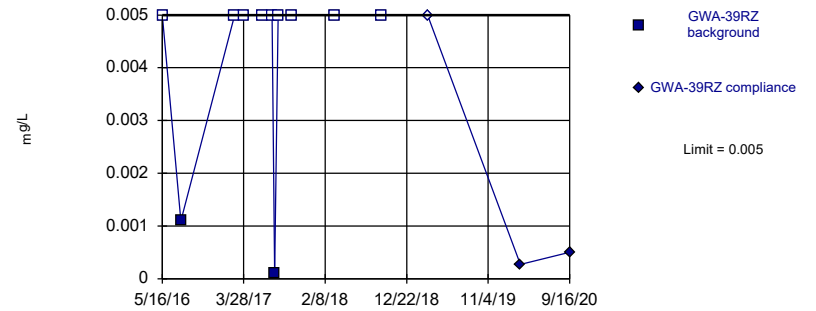


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

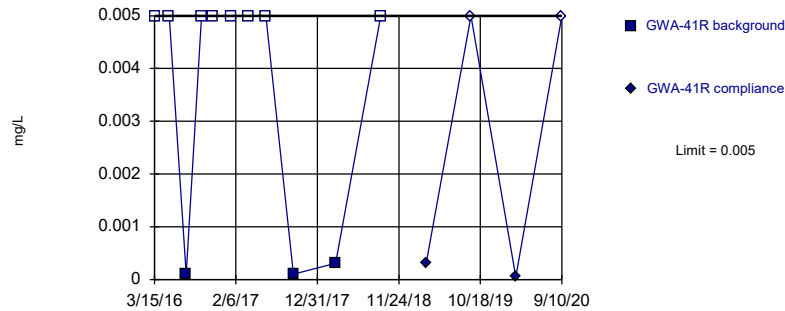


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

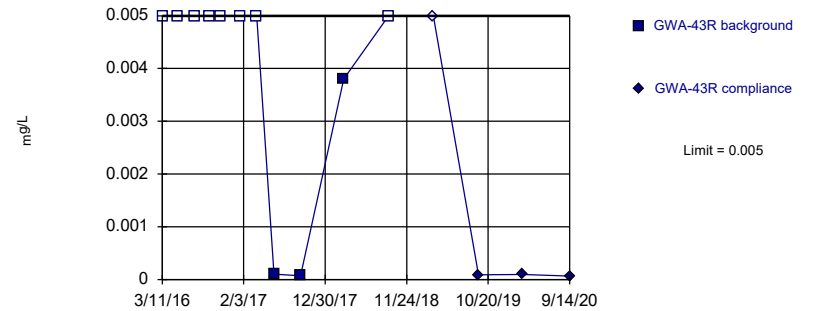


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

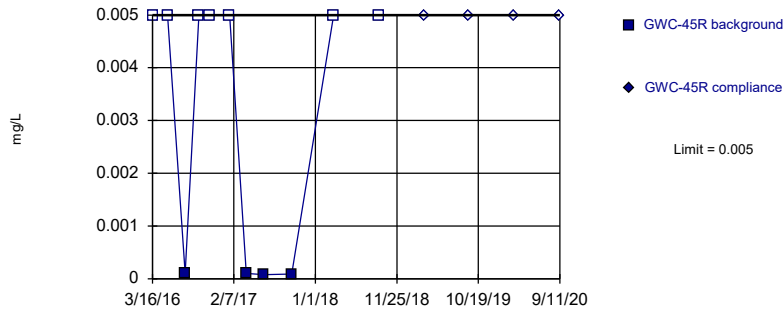


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

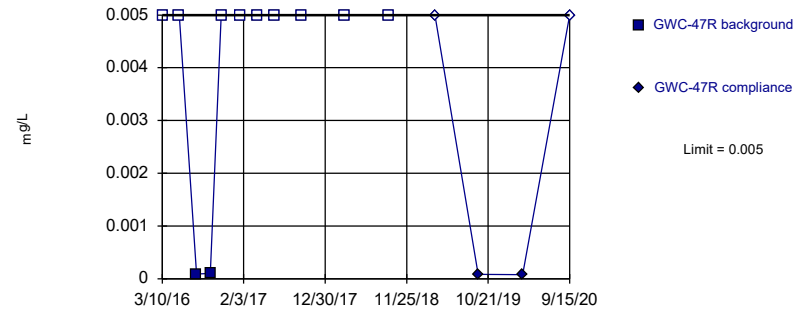


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

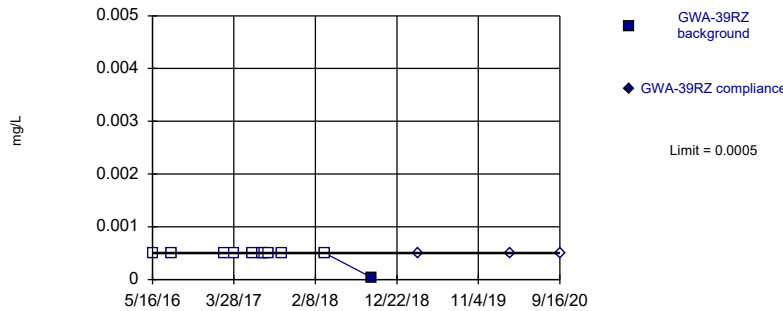


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

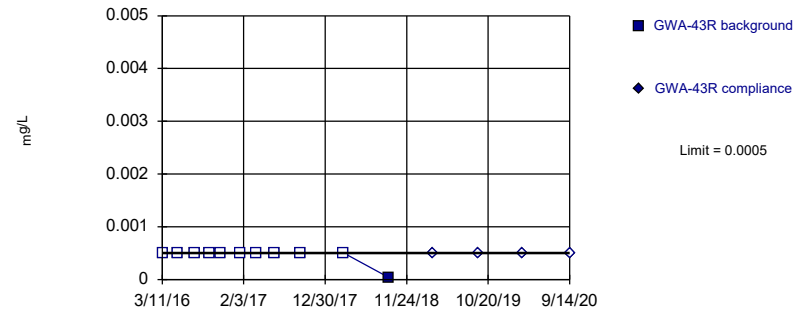


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

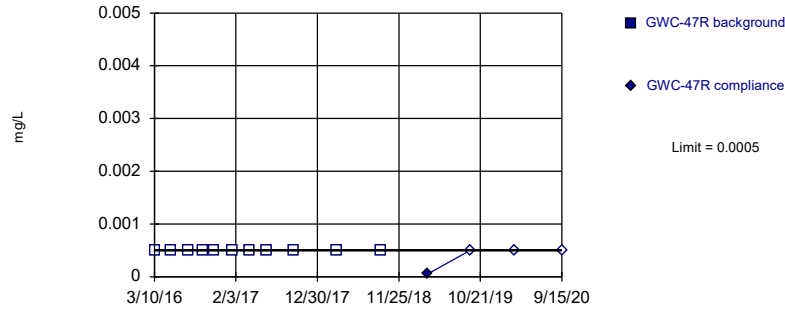


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

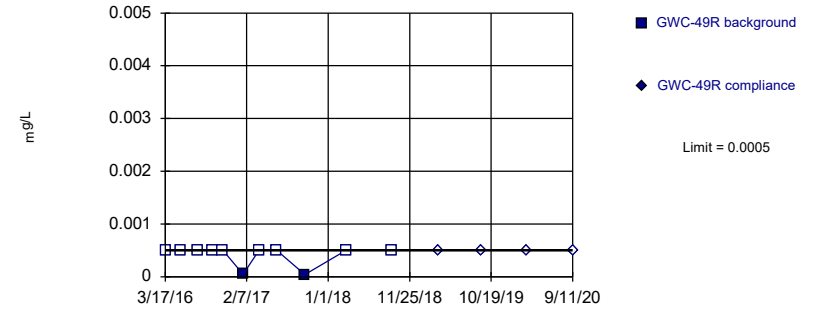


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

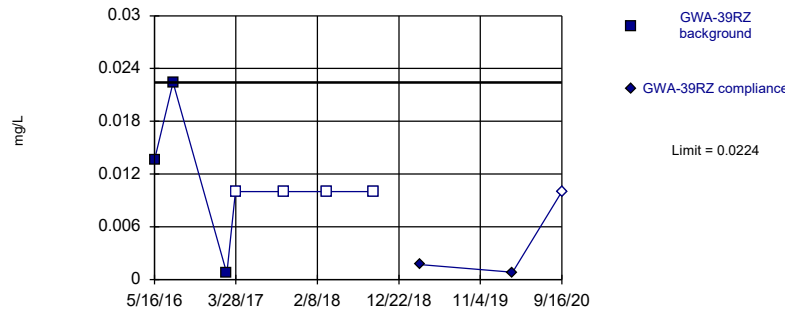


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

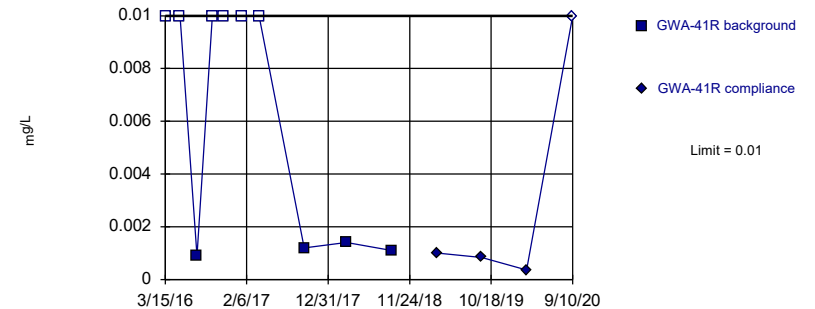


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

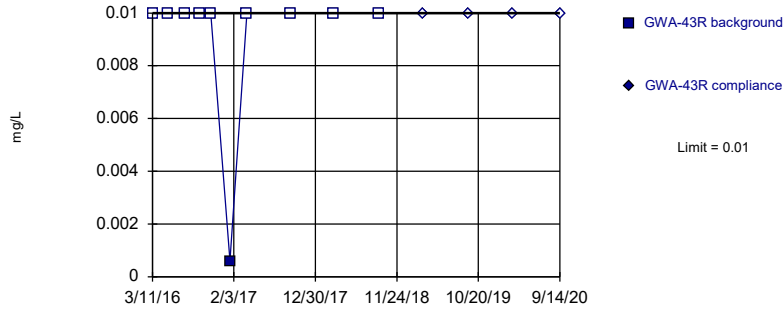


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

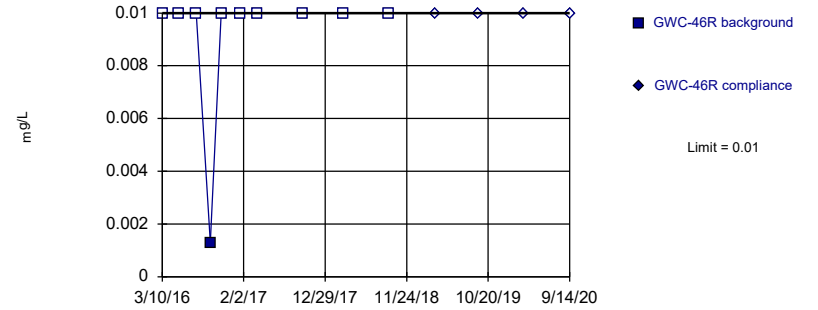


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

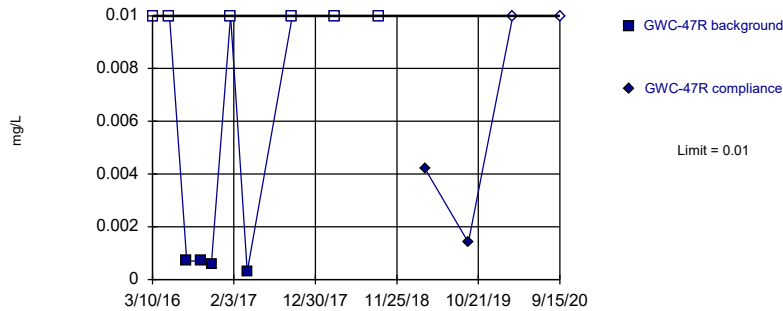


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

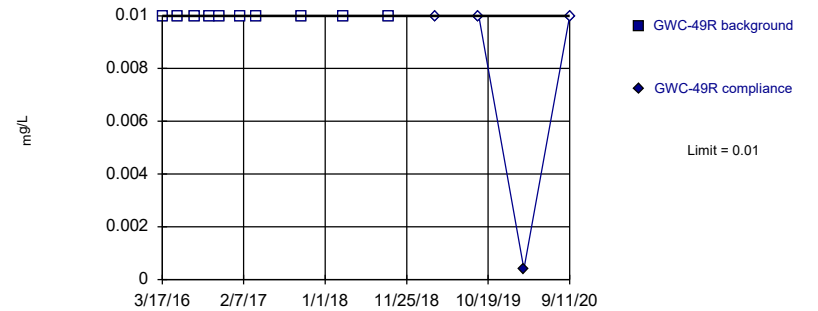


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

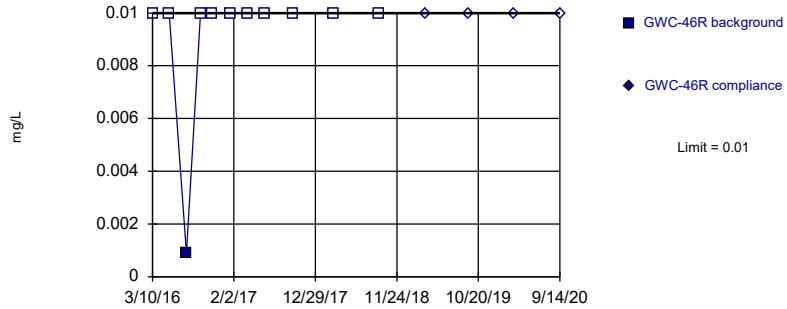


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

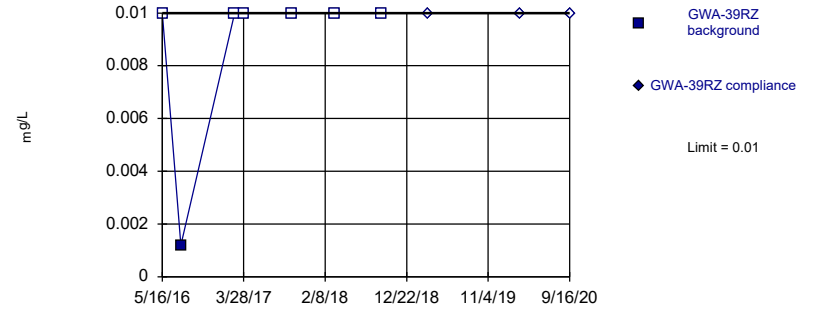


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

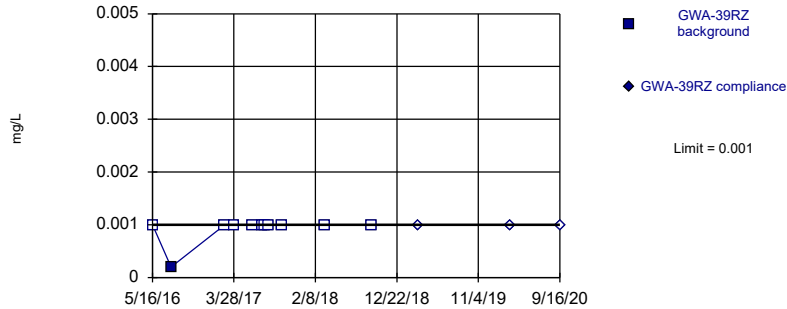


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Silver Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

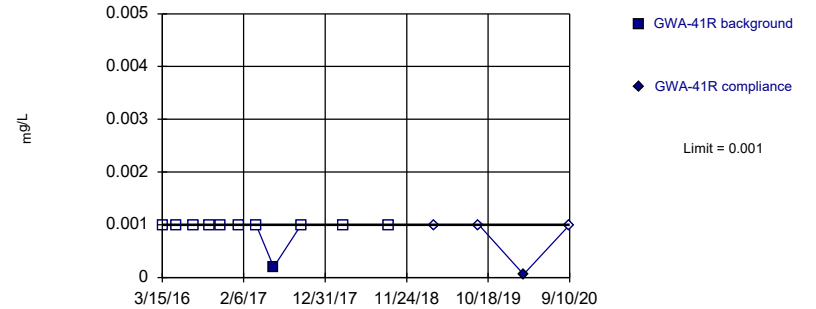


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

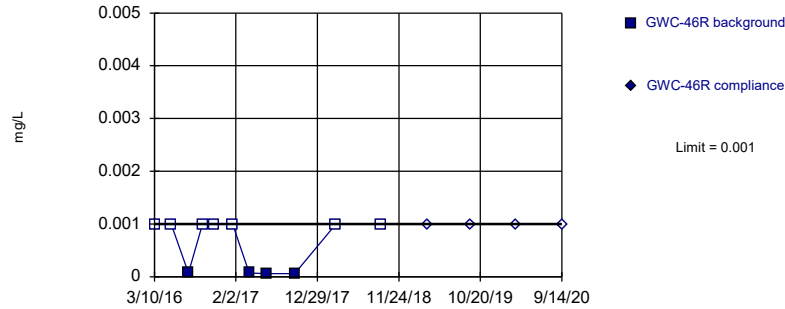
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

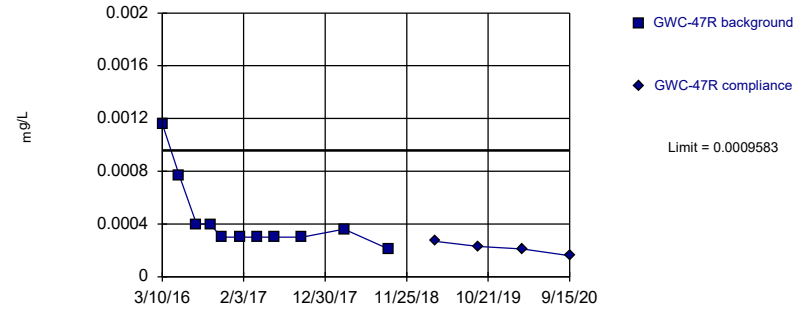
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

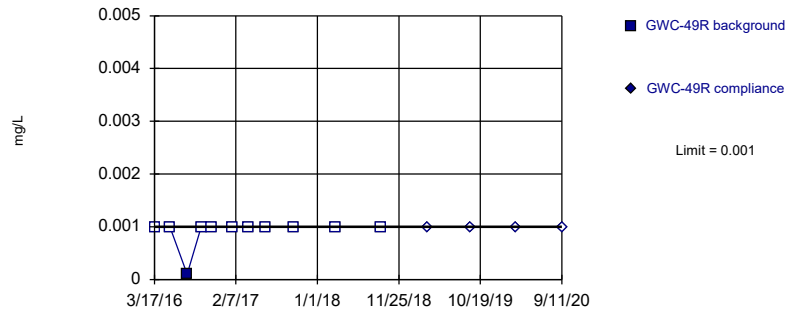
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-7.867, Std. Dev.=0.4878, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8094, critical = 0.792. Kappa = 1.879 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Thallium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

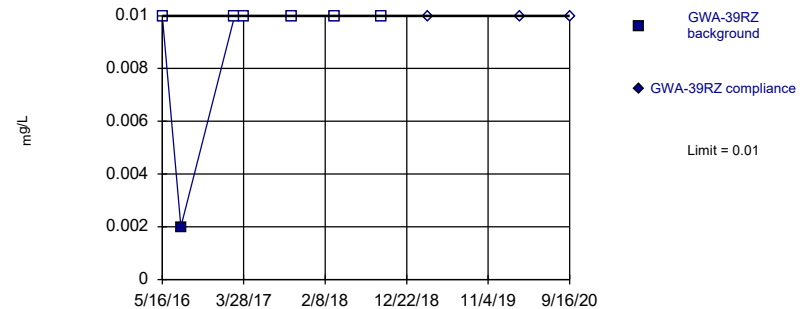
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Non-parametric

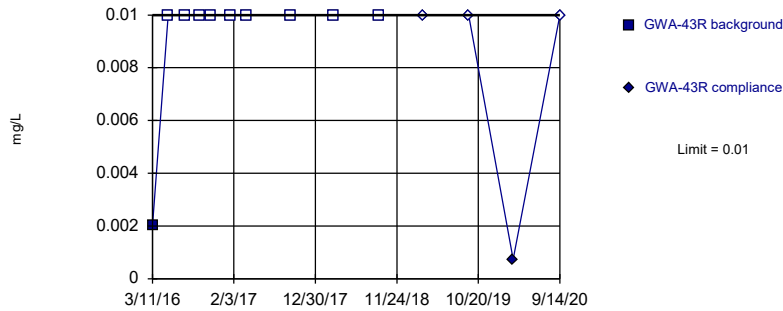


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Vanadium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

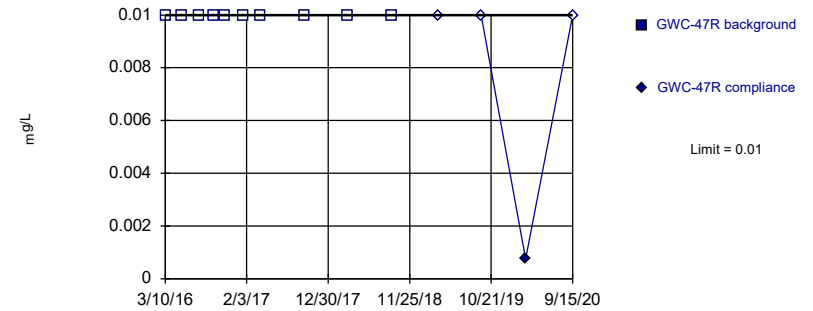


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

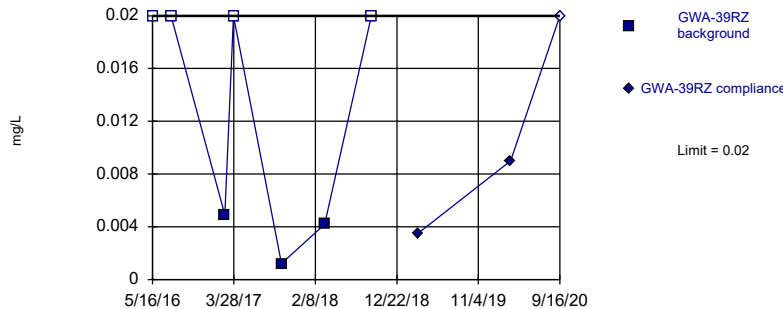


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

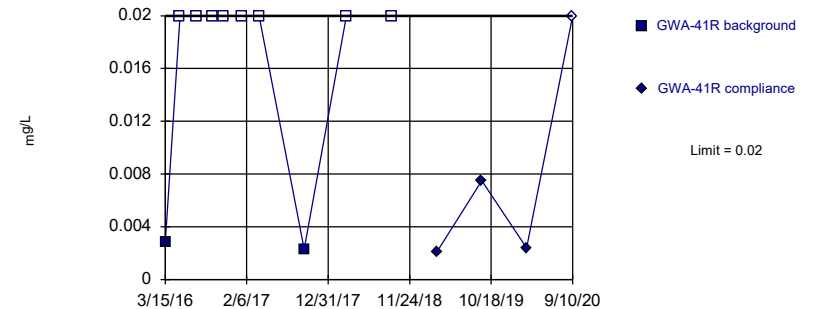


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Constituent: Zinc Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

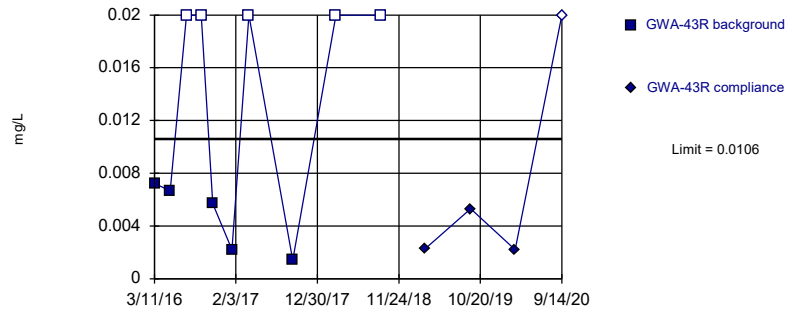
Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

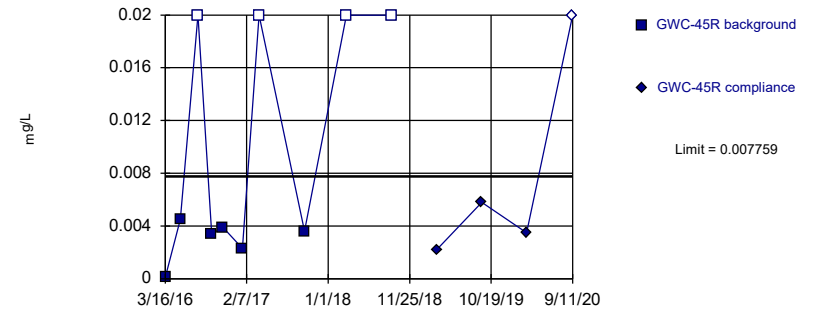
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06528, Std. Dev.=0.01935, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8008, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Zinc Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

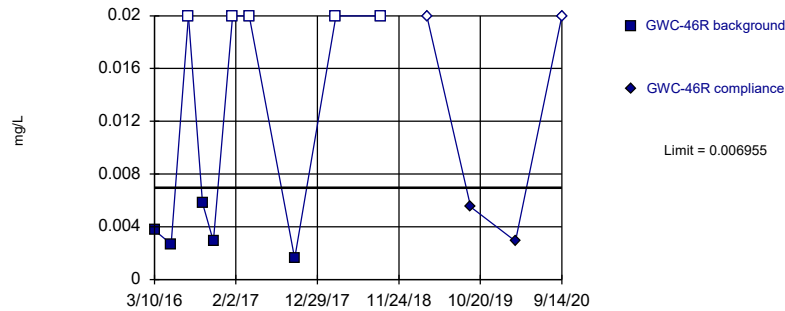
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.0511, Std. Dev.=0.01901, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8228, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Zinc Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

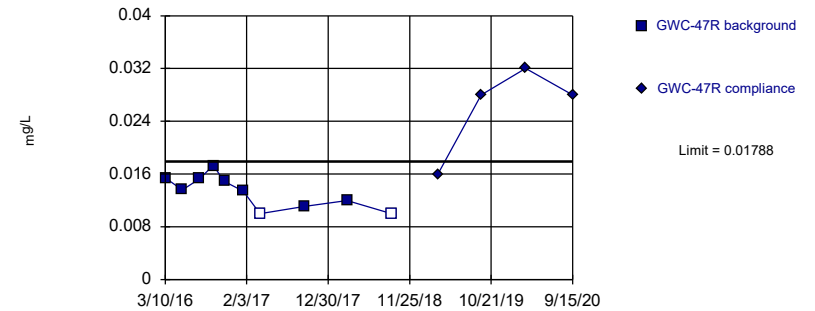
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=5.789, Std. Dev.=0.4217, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7968, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Zinc Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit Prediction Limit
Intrawell Parametric

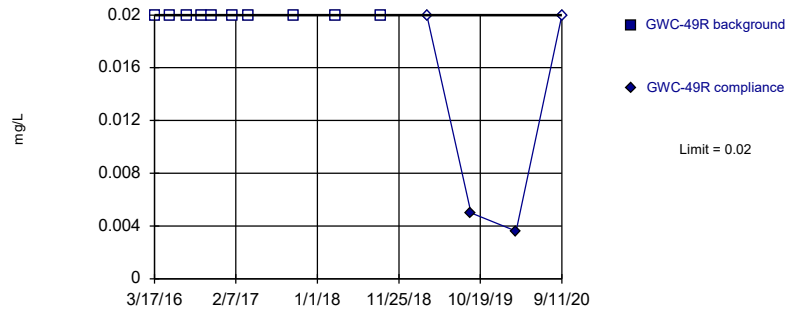


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0133, Std. Dev.=0.002353, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.781. Kappa = 1.946 (c=16, w=4, 1 of 3, event alpha = 0.05132). Report alpha = 0.0008228.

Constituent: Zinc Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 10/30/2020 11:56 AM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0035 (D)	
7/27/2016	0.0003 (JD)	
2/21/2017	0.0057	
3/27/2017	0.0013 (JD)	
6/8/2017	<0.0035 (*)	
7/17/2017	0.005 (D)	
7/27/2017	0.0033	
8/9/2017	0.0012 (J)	
9/29/2017	0.0013 (JD)	
3/16/2018	0.0078	
9/14/2018	0.0056	
3/14/2019		0.014
3/9/2020		0.0013 (J)
9/16/2020		0.0028 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.003	
5/13/2016	<0.003	
7/21/2016	<0.003 (*)	
9/21/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	0.0008 (J)	
6/6/2017	<0.003	
9/25/2017	0.0035	
3/14/2018	<0.003	
9/12/2018	0.003	
3/14/2019		<0.003
9/10/2019		0.0029 (J)
3/9/2020		0.0037
9/10/2020		0.0019 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	0.0013 (J)	
3/28/2017	<0.003	
6/6/2017	0.0007 (J)	
9/22/2017	0.0012 (J)	
3/15/2018	<0.003	
9/12/2018	<0.003	
3/13/2019		<0.003
9/11/2019		0.00029 (J)
3/9/2020		0.00037 (J)
9/14/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	0.00426	
5/16/2016	0.00267 (J)	
7/25/2016	0.0017 (J)	
9/19/2016	<0.003	
11/3/2016	0.0017 (J)	
1/20/2017	0.001 (J)	
3/29/2017	0.001 (J)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0012 (J)	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/14/2019		<0.003
9/11/2019		<0.003
3/10/2020		<0.003
9/11/2020		0.00043 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.003	
5/17/2016	<0.003	
7/26/2016	<0.003	
9/20/2016	0.001 (J)	
11/4/2016	<0.003	
1/20/2017	<0.003	
3/28/2017	<0.003	
6/7/2017	<0.003	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019		<0.003
9/11/2019		<0.003
3/10/2020		<0.003
9/14/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.003	
5/18/2016	0.000987 (J)	
7/27/2016	0.0008 (J)	
9/20/2016	0.0012 (J)	
11/4/2016	0.001 (J)	
1/20/2017	0.0013 (J)	
3/29/2017	0.0004 (J)	
6/8/2017	<0.003 (*)	
9/27/2017	<0.003	
3/16/2018	<0.003	
9/13/2018	<0.003	
3/19/2019		<0.003
9/11/2019		0.00099 (J)
3/9/2020		0.00056 (J)
9/15/2020		0.00053 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	0.003	
5/18/2016	<0.003	
7/27/2016	0.0023 (J)	
9/21/2016	0.0013 (J)	
11/4/2016	<0.003	
1/24/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019		<0.003
9/11/2019		0.0032
3/11/2020		0.0012 (J)
9/11/2020		0.0011 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.005	
3/27/2017	0.0007 (JD)	
6/8/2017	0.0007 (JD)	
7/17/2017	0.0005 (JD)	
7/27/2017	<0.005	
8/9/2017	0.0008 (J)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
3/9/2020		0.00083 (J)
9/16/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0012 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0008 (J)	
6/6/2017	<0.005 (*)	
9/25/2017	0.001 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019		<0.005
9/10/2019		<0.005
3/9/2020		<0.005
9/10/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0005 (J)	
6/6/2017	<0.005 (*)	
9/22/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019		<0.005
9/11/2019		<0.005
3/9/2020		<0.005
9/14/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/7/2017	<0.005 (*)	
9/27/2017	0.0006 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019		<0.005
9/11/2019		<0.005
3/10/2020		<0.005
9/11/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	0.0004 (J)	
6/7/2017	<0.005 (*)	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019		<0.005
9/11/2019		<0.005
3/10/2020		<0.005
9/14/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.0551 (o)	
5/18/2016	0.00127 (J)	
7/27/2016	0.0012 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.001 (J)	
9/27/2017	0.0009 (J)	
3/16/2018	<0.005	
9/13/2018	0.00091 (J)	
3/19/2019		<0.005
9/11/2019		0.00067 (J)
3/9/2020		0.00051 (J)
9/15/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/21/2016	<0.005	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019		<0.005
9/11/2019		<0.005
3/11/2020		0.00041 (J)
9/11/2020		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0113 (D)	
7/27/2016	0.0114 (D)	
2/21/2017	0.0178	
3/27/2017	0.0162 (D)	
6/8/2017	0.0156 (D)	
7/17/2017	0.016 (D)	
7/27/2017	0.0184	
8/9/2017	0.0162	
9/29/2017	0.0159 (D)	
3/16/2018	0.016	
9/14/2018	0.015	
3/14/2019		0.018
3/9/2020		0.017
9/16/2020		0.027

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	0.0462	
5/13/2016	0.0265	
7/21/2016	0.0243	
9/21/2016	0.0145	
11/3/2016	0.0082 (J)	
1/17/2017	0.007 (J)	
3/27/2017	0.016	
6/6/2017	0.0301	
9/25/2017	0.0169	
3/14/2018	0.036	
9/12/2018	0.021	
3/14/2019		0.04
9/10/2019		0.031
3/9/2020		0.031
9/10/2020		0.031

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	0.00819 (J)	
5/13/2016	0.00756 (J)	
7/19/2016	0.0079 (J)	
9/16/2016	0.0078 (J)	
11/2/2016	0.0082 (J)	
1/18/2017	0.0085 (J)	
3/28/2017	0.0084 (J)	
6/6/2017	0.0078 (J)	
9/22/2017	0.0076 (J)	
3/15/2018	0.0092 (J)	
9/12/2018	0.008 (J)	
3/13/2019		0.0077 (J)
9/11/2019		0.0079 (J)
3/9/2020		0.0069 (J)
9/14/2020		0.0075 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	0.0244	
5/16/2016	0.0222	
7/25/2016	0.02	
9/19/2016	0.019	
11/3/2016	0.0177	
1/20/2017	0.0173	
3/29/2017	0.0184	
6/7/2017	0.019	
9/27/2017	0.0197	
3/15/2018	0.021	
9/13/2018	0.022	
3/14/2019		0.024
9/11/2019		0.021
3/10/2020		0.024
9/11/2020		0.021

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	0.0209	
5/17/2016	0.0202	
7/26/2016	0.0165	
9/20/2016	0.0132	
11/4/2016	0.012	
1/20/2017	0.0133	
3/28/2017	0.0161	
6/7/2017	0.0141	
9/29/2017	0.0151	
3/15/2018	0.015	
9/13/2018	0.014	
3/18/2019		0.014
9/11/2019		0.013
3/10/2020		0.013
9/14/2020		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.0344 (o)	
5/18/2016	0.0184	
7/27/2016	0.0146	
9/20/2016	0.0122	
11/4/2016	0.0119	
1/20/2017	0.0114	
3/29/2017	0.0116	
6/8/2017	<0.011 (*)	
9/27/2017	0.0098 (J)	
3/16/2018	0.01	
9/13/2018	0.0092 (J)	
3/19/2019		0.0088 (J)
9/11/2019		0.0097 (J)
3/9/2020		0.0082 (J)
9/15/2020		0.0084 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	0.0112	
5/18/2016	0.0107	
7/27/2016	0.0104	
9/21/2016	0.0106	
11/4/2016	0.0098 (J)	
1/24/2017	0.0101	
3/29/2017	0.0103	
6/8/2017	<0.0106 (*)	
9/29/2017	0.0097 (J)	
3/15/2018	0.0093 (J)	
9/13/2018	0.01	
3/18/2019		0.015
9/11/2019		0.017
3/11/2020		0.026
9/11/2020		0.012

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.003 (D)	
7/27/2016	0.0004 (JD)	
2/21/2017	<0.003	
3/27/2017	<0.003 (D)	
6/8/2017	<0.003 (D)	
7/17/2017	<0.003 (D)	
7/27/2017	<0.003	
8/9/2017	<0.003	
9/29/2017	<0.003 (D)	
3/16/2018	<0.003	
9/14/2018	<0.003	
3/14/2019		<0.003
3/9/2020		<0.003
9/16/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.003	
5/13/2016	<0.003	
7/21/2016	<0.003	
9/21/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	<0.003	
6/6/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/14/2019		5.2E-05 (J)
9/10/2019		<0.003
3/9/2020		<0.003
9/10/2020		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	<0.003	
3/28/2017	<0.003	
6/6/2017	<0.003	
9/22/2017	<0.003	
3/15/2018	5.1E-05 (J)	
9/12/2018	<0.003	
3/13/2019		<0.003
9/11/2019		<0.003
3/9/2020		<0.003
9/14/2020		<0.003

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0025 (D)	
7/27/2016	0.0001 (JD)	
2/21/2017	<0.0025	
3/27/2017	<0.0025 (D)	
6/8/2017	<0.0025 (D)	
7/17/2017	<0.0025 (D)	
7/27/2017	<0.0025	
8/9/2017	<0.0025	
9/29/2017	<0.0025 (D)	
3/16/2018	<0.0025	
9/14/2018	<0.0025	
3/14/2019		<0.0025
3/9/2020		<0.0025
9/16/2020		<0.0025

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.0017 (JD)	
2/21/2017	0.001 (J)	
3/27/2017	<0.01 (D)	
6/8/2017	<0.01 (D)	
7/17/2017	<0.01 (D)	
7/27/2017	0.0005 (J)	
8/9/2017	0.0005 (J)	
9/29/2017	0.0006 (JD)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		0.004 (J)
3/9/2020		0.0016 (J)
9/16/2020		0.00058 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.01	
5/13/2016	<0.01	
7/21/2016	<0.01	
9/21/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/27/2017	<0.01	
6/6/2017	0.0004 (J)	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/10/2019		<0.01
3/9/2020		0.0004 (J)
9/10/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	0.00212 (J)	
5/13/2016	<0.01	
7/19/2016	0.0006 (J)	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	0.0014 (J)	
3/28/2017	<0.01 (*)	
6/6/2017	0.0009 (J)	
9/22/2017	0.0006 (J)	
3/15/2018	0.0017 (J)	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		0.00066 (J)
3/9/2020		0.0014 (J)
9/14/2020		0.0011 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/20/2017	<0.01	
3/29/2017	<0.01	
6/7/2017	0.0004 (J)	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019		<0.01
9/11/2019		<0.01
3/10/2020		0.00092 (J)
9/11/2020		0.00067 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	0.0017 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0018 (J)	
3/28/2017	<0.01 (*)	
6/7/2017	0.0018 (J)	
9/29/2017	0.0033 (J)	
3/15/2018	0.0021 (J)	
9/13/2018	0.0041 (J)	
3/18/2019		0.0022 (J)
9/11/2019		0.0038 (J)
3/10/2020		0.0035 (J)
9/14/2020		0.006 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.00136 (J)	
5/18/2016	0.00606 (Jo)	
7/27/2016	0.0023 (J)	
9/20/2016	0.0021 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0016 (J)	
3/29/2017	0.001 (J)	
6/8/2017	0.0024 (J)	
9/27/2017	0.0021 (J)	
3/16/2018	0.003 (J)	
9/13/2018	0.0017 (J)	
3/19/2019		0.018
9/11/2019		0.0015 (J)
3/9/2020		0.0023 (J)
9/15/2020		0.0017 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	0.0006 (J)	
9/21/2016	0.0011 (J)	
11/4/2016	<0.01	
1/24/2017	<0.01	
3/29/2017	0.0004 (J)	
6/8/2017	0.0005 (J)	
9/29/2017	0.0005 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		0.00063 (J)
3/11/2020		0.0012 (J)
9/11/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	0.00313 (JD)	
7/27/2016	0.0057 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	<0.005	
8/9/2017	<0.005	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
3/9/2020		<0.005
9/16/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0006 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0005 (J)	
6/6/2017	<0.005	
9/25/2017	0.0006 (J)	
3/14/2018	<0.005	
9/12/2018	0.0011 (J)	
3/14/2019		<0.005
9/10/2019		<0.005
3/9/2020		<0.005
9/10/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	0.0006 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
6/7/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019		<0.005
9/11/2019		<0.005
3/10/2020		<0.005
9/14/2020		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.025 (D)	
7/27/2016	0.0271 (D)	
2/21/2017	<0.025	
3/27/2017	<0.025 (D)	
9/29/2017	<0.025 (D)	
3/16/2018	<0.025	
9/14/2018	0.002 (J)	
3/14/2019		<0.025
3/9/2020		0.011 (J)
9/16/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.025	
5/13/2016	<0.025	
7/21/2016	0.0005 (J)	
9/21/2016	<0.025	
11/3/2016	<0.025	
1/17/2017	<0.025	
3/27/2017	<0.025	
9/25/2017	0.0007 (J)	
3/14/2018	0.0021 (J)	
9/12/2018	<0.025	
3/14/2019		0.0022 (J)
9/10/2019		0.0022 (J)
3/9/2020		0.0014 (J)
9/10/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.025	
5/13/2016	<0.025	
7/19/2016	<0.025	
9/16/2016	<0.025	
11/2/2016	<0.025	
1/18/2017	<0.025	
3/28/2017	<0.025 (*)	
9/22/2017	0.0006 (J)	
3/15/2018	<0.025	
9/12/2018	<0.025	
3/13/2019		0.0015 (J)
9/11/2019		0.00026 (J)
3/9/2020		0.00035 (J)
9/14/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	<0.025	
5/16/2016	<0.025	
7/25/2016	<0.025	
9/19/2016	<0.025	
11/3/2016	<0.025	
1/20/2017	<0.025	
3/29/2017	0.0022 (J)	
9/27/2017	<0.025	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/14/2019		<0.025
9/11/2019		<0.025
3/10/2020		<0.025
9/11/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.025	
5/17/2016	<0.025	
7/26/2016	<0.025	
9/20/2016	0.0008 (J)	
11/4/2016	<0.025	
1/20/2017	<0.025	
3/28/2017	<0.025	
9/29/2017	<0.025	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/18/2019		<0.025
9/11/2019		<0.025
3/10/2020		<0.025
9/14/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.025	
5/18/2016	<0.025	
7/27/2016	<0.025	
9/20/2016	0.001 (J)	
11/4/2016	<0.025	
1/20/2017	<0.025	
3/29/2017	0.0003 (J)	
9/27/2017	0.0011 (J)	
3/16/2018	<0.025	
9/13/2018	<0.025	
3/19/2019		<0.025
9/11/2019		0.0008 (J)
3/9/2020		0.00032 (J)
9/15/2020		<0.025

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	0.0001 (J)	
8/9/2017	<0.005	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
3/9/2020		0.00027 (J)
9/16/2020		0.0005 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0001 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/6/2017	<0.005	
9/25/2017	0.0001 (J)	
3/14/2018	0.00031 (J)	
9/12/2018	<0.005	
3/14/2019		0.00031 (J)
9/10/2019		<0.005
3/9/2020		4.9E-05 (J)
9/10/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	0.0001 (J)	
9/22/2017	7E-05 (J)	
3/15/2018	0.0038 (J)	
9/12/2018	<0.005	
3/13/2019		<0.005
9/11/2019		9.2E-05 (J)
3/9/2020		9.6E-05 (J)
9/14/2020		6.6E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0001 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	0.0001 (J)	
6/7/2017	8E-05 (J)	
9/27/2017	9E-05 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019		<0.005
9/11/2019		<0.005
3/10/2020		<0.005
9/11/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	9E-05 (J)	
9/20/2016	0.0001 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	<0.005	
9/27/2017	<0.005	
3/16/2018	<0.005	
9/13/2018	<0.005	
3/19/2019		<0.005
9/11/2019		8.5E-05 (J)
3/9/2020		8E-05 (J)
9/15/2020		<0.005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0005 (D)	
7/27/2016	<0.0005 (D)	
2/21/2017	<0.0005	
3/27/2017	<0.0005 (D)	
6/8/2017	<0.0005 (D)	
7/17/2017	<0.0005 (D)	
7/27/2017	<0.0005	
8/9/2017	<0.0005	
9/29/2017	<0.0005 (D)	
3/16/2018	<0.0005	
9/14/2018	4.1E-05 (J)	
3/14/2019		<0.0005
3/9/2020		<0.0005
9/16/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.0005	
5/13/2016	<0.0005	
7/19/2016	<0.0005	
9/16/2016	<0.0005	
11/2/2016	<0.0005	
1/18/2017	<0.0005	
3/28/2017	<0.0005	
6/6/2017	<0.0005	
9/22/2017	<0.0005	
3/15/2018	<0.0005	
9/12/2018	3.9E-05 (J)	
3/13/2019		<0.0005
9/11/2019		<0.0005
3/9/2020		<0.0005
9/14/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	<0.0005	
11/4/2016	<0.0005	
1/20/2017	<0.0005	
3/29/2017	<0.0005 (*)	
6/8/2017	<0.0005	
9/27/2017	<0.0005	
3/16/2018	<0.0005	
9/13/2018	<0.0005	
3/19/2019		5E-05 (J)
9/11/2019		<0.0005
3/9/2020		<0.0005
9/15/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/21/2016	<0.0005	
11/4/2016	<0.0005	
1/24/2017	5E-05 (J)	
3/29/2017	<0.0005 (*)	
6/8/2017	<0.0005	
9/29/2017	4E-05 (J)	
3/15/2018	<0.0005	
9/13/2018	<0.0005	
3/18/2019		<0.0005
9/11/2019		<0.0005
3/11/2020		<0.0005
9/11/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0136 (D)	
7/27/2016	0.0224 (D)	
2/21/2017	0.0007 (J)	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		0.0017 (J)
3/9/2020		0.00083 (J)
9/16/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.01	
5/13/2016	<0.01	
7/21/2016	0.0009 (J)	
9/21/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/27/2017	<0.01 (*)	
9/25/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/12/2018	0.0011 (J)	
3/14/2019		0.001 (J)
9/10/2019		0.00084 (J)
3/9/2020		0.00036 (J)
9/10/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	<0.01	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	0.0006 (J)	
3/28/2017	<0.01 (*)	
9/22/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		<0.01
3/9/2020		<0.01
9/14/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	<0.01	
9/20/2016	0.0013 (J)	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/28/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		<0.01
3/10/2020		<0.01
9/14/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	0.0007 (J)	
9/20/2016	0.0007 (J)	
11/4/2016	0.0006 (J)	
1/20/2017	<0.01	
3/29/2017	0.0003 (J)	
9/27/2017	<0.01	
3/16/2018	<0.01	
9/13/2018	<0.01	
3/19/2019		0.0042 (J)
9/11/2019		0.0014 (J)
3/9/2020		<0.01
9/15/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/21/2016	<0.01	
11/4/2016	<0.01	
1/24/2017	<0.01	
3/29/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		<0.01
3/11/2020		0.0004 (J)
9/11/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	0.0009 (J)	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/28/2017	<0.01	
6/7/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/18/2019		<0.01
9/11/2019		<0.01
3/10/2020		<0.01
9/14/2020		<0.01

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.0012 (JD)	
2/21/2017	<0.01	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		<0.01
3/9/2020		<0.01
9/16/2020		<0.01

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.001 (D)	
7/27/2016	0.0002 (JD)	
2/21/2017	<0.001	
3/27/2017	<0.001 (D)	
6/8/2017	<0.001 (D)	
7/17/2017	<0.001 (D)	
7/27/2017	<0.001	
8/9/2017	<0.001	
9/29/2017	<0.001 (D)	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/14/2019		<0.001
3/9/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	<0.001	
5/13/2016	<0.001	
7/21/2016	<0.001	
9/21/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/6/2017	0.0002 (J)	
9/25/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/14/2019		<0.001
9/10/2019		<0.001
3/9/2020		6.1E-05 (J)
9/10/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	<0.001	
5/17/2016	<0.001	
7/26/2016	7E-05 (J)	
9/20/2016	<0.001	
11/4/2016	<0.001	
1/20/2017	<0.001	
3/28/2017	7E-05 (J)	
6/7/2017	6E-05 (J)	
9/29/2017	6E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/18/2019		<0.001
9/11/2019		<0.001
3/10/2020		<0.001
9/14/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.00116	
5/18/2016	0.000768 (J)	
7/27/2016	0.0004 (J)	
9/20/2016	0.0004 (J)	
11/4/2016	0.0003 (J)	
1/20/2017	0.0003 (J)	
3/29/2017	0.0003 (J)	
6/8/2017	0.0003 (J)	
9/27/2017	0.0003 (J)	
3/16/2018	0.00036 (J)	
9/13/2018	0.00021 (J)	
3/19/2019		0.00027 (J)
9/11/2019		0.00023 (J)
3/9/2020		0.00021 (J)
9/15/2020		0.00016 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	0.0001 (J)	
9/21/2016	<0.001	
11/4/2016	<0.001	
1/24/2017	<0.001	
3/29/2017	<0.001	
6/8/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/18/2019		<0.001
9/11/2019		<0.001
3/11/2020		<0.001
9/11/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.002 (JD)	
2/21/2017	<0.01	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		<0.01
3/9/2020		<0.01
9/16/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	0.00202 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		<0.01
3/9/2020		0.00074 (J)
9/14/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/29/2017	<0.01	
9/27/2017	<0.01	
3/16/2018	<0.01	
9/13/2018	<0.01	
3/19/2019		<0.01
9/11/2019		<0.01
3/9/2020		0.00075 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.02 (D)	
7/27/2016	<0.02 (*)	
2/21/2017	0.0049 (J)	
3/27/2017	<0.02 (*)	
9/29/2017	0.0012 (JD)	
3/16/2018	0.0042 (J)	
9/14/2018	<0.02	
3/14/2019		0.0035 (J)
3/9/2020		0.009 (J)
9/16/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	0.00286 (J)	
5/13/2016	<0.02	
7/21/2016	<0.02 (*)	
9/21/2016	<0.02	
11/3/2016	<0.02	
1/17/2017	<0.02	
3/27/2017	<0.02 (*)	
9/25/2017	0.0023 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/14/2019		0.0021 (J)
9/10/2019		0.0075 (J)
3/9/2020		0.0024 (J)
9/10/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	0.00722 (J)	
5/13/2016	0.00666 (J)	
7/19/2016	<0.02 (*)	
9/16/2016	<0.02	
11/2/2016	0.0057 (J)	
1/18/2017	0.0022 (J)	
3/28/2017	<0.02	
9/22/2017	0.0014 (J)	
3/15/2018	<0.02	
9/12/2018	<0.02	
3/13/2019		0.0023 (J)
9/11/2019		0.0053 (J)
3/9/2020		0.0022 (J)
9/14/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	0.000113 (J)	
5/16/2016	0.00452 (J)	
7/25/2016	<0.02 (*)	
9/19/2016	0.0034 (J)	
11/3/2016	0.0039 (J)	
1/20/2017	0.0023 (J)	
3/29/2017	<0.02 (*)	
9/27/2017	0.0036 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/14/2019		0.0022 (J)
9/11/2019		0.0058 (J)
3/10/2020		0.0035 (J)
9/11/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	0.00373 (J)	
5/17/2016	0.00268 (J)	
7/26/2016	<0.02 (*)	
9/20/2016	0.0058 (J)	
11/4/2016	0.0029 (J)	
1/20/2017	<0.02	
3/28/2017	<0.02 (*)	
9/29/2017	0.0016 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/18/2019		<0.02
9/11/2019		0.0055 (J)
3/10/2020		0.0029 (J)
9/14/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	0.0154	
5/18/2016	0.0136	
7/27/2016	0.0153	
9/20/2016	0.0173	
11/4/2016	0.0149	
1/20/2017	0.0134	
3/29/2017	<0.01 (*)	
9/27/2017	0.0111	
3/16/2018	0.012	
9/13/2018	<0.01	
3/19/2019		0.016
9/11/2019		0.028
3/9/2020		0.032
9/15/2020		0.028

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 12:02 PM View: Bedrock PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	<0.02	
5/18/2016	<0.02	
7/27/2016	<0.02 (*)	
9/21/2016	<0.02	
11/4/2016	<0.02	
1/24/2017	<0.02	
3/29/2017	<0.02 (*)	
9/29/2017	<0.02	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/18/2019		<0.02
9/11/2019		0.005 (J)
3/11/2020		0.0036 (J)
9/11/2020		<0.02

FIGURE E.

State Overburden Intrawell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-45	0.003	n/a	9/11/2020	0.0076	Yes	11	n/a		n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3

State Overburden Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-39Z	0.003043	n/a	9/10/2020	0.0003J	No	11	0.001342	0.0008802	27.27	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Antimony (mg/L)	GWA-40	0.003	n/a	9/11/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-42	0.003	n/a	9/10/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-43	0.003	n/a	9/11/2020	0.003ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-45	0.003	n/a	9/11/2020	0.0076	Yes	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Antimony (mg/L)	GWC-47	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-48	0.003	n/a	9/14/2020	0.003ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-49Z	0.003	n/a	9/14/2020	0.0017J	No	11	n/a	n/a	54.55	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-39Z	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-40	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-44	0.005	n/a	9/15/2020	0.005ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-47	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-39Z	0.0319	n/a	9/10/2020	0.0042J	No	11	0.01385	0.009342	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-40	0.01224	n/a	9/11/2020	0.0079J	No	10	0.009012	0.001613	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-41	0.03429	n/a	9/10/2020	0.024	No	11	0.02693	0.003812	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-42	0.00668	n/a	9/10/2020	0.0059J	No	11	0.006255	0.0002197	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWA-43	0.04119	n/a	9/11/2020	0.024	No	11	0.02405	0.00887	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-44	0.0758	n/a	9/15/2020	0.035	No	10	0.0348	0.0205	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-45	0.006266	n/a	9/11/2020	0.006J	No	10	0.00579	0.0002378	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-47	0.01736	n/a	9/14/2020	0.0082J	No	11	0.01361	0.001939	0	None	No	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-48	0.03637	n/a	9/14/2020	0.035	No	11	0.0007215	0.0003112	9.091	None	x^2	0.0007022	Param Intra 1 of 3
Barium (mg/L)	GWC-49Z	0.01323	n/a	9/14/2020	0.0027J	No	11	0.0068	0.00333	9.091	None	No	0.0007022	Param Intra 1 of 3
Beryllium (mg/L)	GWA-42	0.0002	n/a	9/10/2020	0.00014J	No	9	n/a	n/a	0	n/a	n/a	0.004675	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-44	0.003	n/a	9/15/2020	0.000057J	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-48	0.003	n/a	9/14/2020	0.00033J	No	11	n/a	n/a	27.27	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-39Z	0.0025	n/a	9/10/2020	0.0025ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-42	0.001	n/a	9/10/2020	0.00015J	No	11	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cadmium (mg/L)	GWA-43	0.0025	n/a	9/11/2020	0.0025ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-44	0.0025	n/a	9/15/2020	0.0025ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-47	0.0025	n/a	9/14/2020	0.00014J	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-48	0.0007304	n/a	9/14/2020	0.00019J	No	10	-8.534	0.6559	10	None	ln(x)	0.0007022	Param Intra 1 of 3
Cadmium (mg/L)	GWC-49Z	0.0025	n/a	9/14/2020	0.0025ND	No	11	n/a	n/a	36.36	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWA-39Z	0.01	n/a	9/10/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-40	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-41	0.01	n/a	9/10/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-42	0.01	n/a	9/10/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-43	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-44	0.01	n/a	9/15/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-45	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-47	0.007299	n/a	9/14/2020	0.0022J	No	10	-6.134	0.6071	10	None	ln(x)	0.0007022	Param Intra 1 of 3
Chromium (mg/L)	GWC-48	0.00362	n/a	9/14/2020	0.0024J	No	11	0.03719	0.01189	45.45	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Chromium (mg/L)	GWC-49Z	0.017	n/a	9/14/2020	0.01ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-39Z	0.009517	n/a	9/10/2020	0.005ND	No	11	0.04959	0.02482	9.091	None	sqrt(x)	0.0007022	Param Intra 1 of 3
Cobalt (mg/L)	GWA-42	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-43	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-44	0.01	n/a	9/15/2020	0.0015J	No	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-45	0.01	n/a	9/11/2020	0.0012J	No	11	n/a	n/a	18.18	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-48	0.01	n/a	9/14/2020	0.0017J	No	11	n/a	n/a	9.091	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-49Z	0.006036	n/a	9/14/2020	0.0014J	No	11	0.003487	0.001319	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Copper (mg/L)	GWA-39Z	0.025	n/a	9/10/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

State Overburden Intrawell Prediction Limit Summary - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWA-40	0.025	n/a	9/11/2020	0.025ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-41	0.025	n/a	9/10/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-42	0.025	n/a	9/10/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-43	0.025	n/a	9/11/2020	0.025ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-44	0.025	n/a	9/15/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-45	0.025	n/a	9/11/2020	0.025ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Copper (mg/L)	GWC-47	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-48	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-49Z	0.025	n/a	9/14/2020	0.025ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-39Z	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-40	0.005	n/a	9/11/2020	0.005ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-41	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-42	0.005	n/a	9/10/2020	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-43	0.005	n/a	9/11/2020	0.000046J	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-44	0.0008411	n/a	9/15/2020	0.00045J	No	11	-8.001	0.4762	27.27	Kaplan-Meier	ln(x)	0.0007022	Param Intra 1 of 3
Lead (mg/L)	GWC-45	0.005	n/a	9/11/2020	0.00012J	No	11	n/a	n/a	36.36	n/a	n/a	0.002806	NP Intra (normality) 1 of 3
Lead (mg/L)	GWC-47	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-48	0.005	n/a	9/14/2020	0.005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-49Z	0.005	n/a	9/14/2020	0.000078J	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-40	0.0005	n/a	9/11/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-42	0.0005	n/a	9/10/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-48	0.0005	n/a	9/14/2020	0.00015J	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-49Z	0.0005	n/a	9/14/2020	0.0005ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-39Z	0.01194	n/a	9/10/2020	0.01ND	No	10	0.004838	0.00355	20	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Nickel (mg/L)	GWA-41	0.01	n/a	9/10/2020	0.01ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-42	0.01	n/a	9/10/2020	0.0011J	No	10	n/a	n/a	20	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWA-43	0.01	n/a	9/11/2020	0.00089J	No	10	n/a	n/a	40	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-44	0.01	n/a	9/15/2020	0.01ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-45	0.01	n/a	9/11/2020	0.00099J	No	10	n/a	n/a	10	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-47	0.01	n/a	9/14/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-48	0.01	n/a	9/14/2020	0.0046J	No	10	n/a	n/a	10	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Nickel (mg/L)	GWC-49Z	0.009582	n/a	9/14/2020	0.0014J	No	10	0.004688	0.002447	10	None	No	0.0007022	Param Intra 1 of 3
Selenium (mg/L)	GWA-43	0.01	n/a	9/11/2020	0.01ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-44	0.006719	n/a	9/15/2020	0.01ND	No	11	0.05783	0.01249	45.45	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Selenium (mg/L)	GWC-48	0.01	n/a	9/14/2020	0.01ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-39Z	0.001	n/a	9/10/2020	0.001ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-40	0.001	n/a	9/11/2020	0.001ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-42	0.001	n/a	9/10/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-43	0.001	n/a	9/11/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-44	0.001	n/a	9/15/2020	0.001ND	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-47	0.001	n/a	9/14/2020	0.001ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-48	0.001	n/a	9/14/2020	0.001ND	No	11	n/a	n/a	63.64	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-49Z	0.001	n/a	9/14/2020	0.001ND	No	11	n/a	n/a	90.91	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-43	0.01	n/a	9/11/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-45	0.01	n/a	9/11/2020	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-39Z	0.02	n/a	9/10/2020	0.02ND	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-40	0.02	n/a	9/11/2020	0.02ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-41	0.02	n/a	9/10/2020	0.02ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-42	0.01457	n/a	9/10/2020	0.0073J	No	10	0.09783	0.01143	40	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWA-43	0.01051	n/a	9/11/2020	0.02ND	No	10	0.06139	0.02056	50	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3

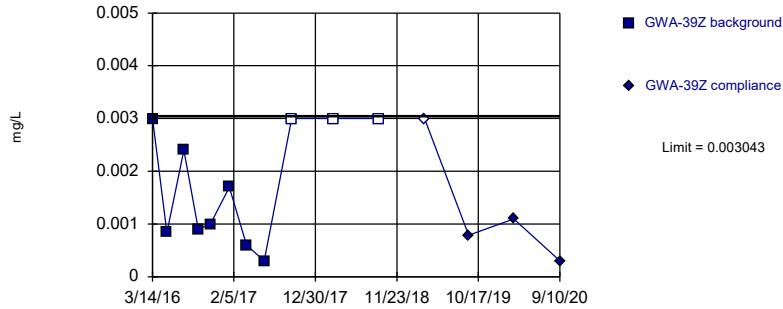
State Overburden Intrawell Prediction Limit Summary - All Results ^{Page 3}

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-44	0.006244	n/a	9/15/2020	0.0062J	No	10	0.06517	0.006924	40	Kaplan-Meier	sqrt(x)	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-45	0.02	n/a	9/11/2020	0.02ND	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-47	0.03542	n/a	9/14/2020	0.032	No	11	0.02497	0.005411	18.18	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-48	0.008972	n/a	9/14/2020	0.0076J	No	10	0.006348	0.001312	50	Kaplan-Meier	No	0.0007022	Param Intra 1 of 3
Zinc (mg/L)	GWC-49Z	0.01	n/a	9/14/2020	0.0042J	No	10	n/a	n/a	60	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
 Hollow symbols indicate censored values.

Within Limit Prediction Limit
 Intrawell Parametric

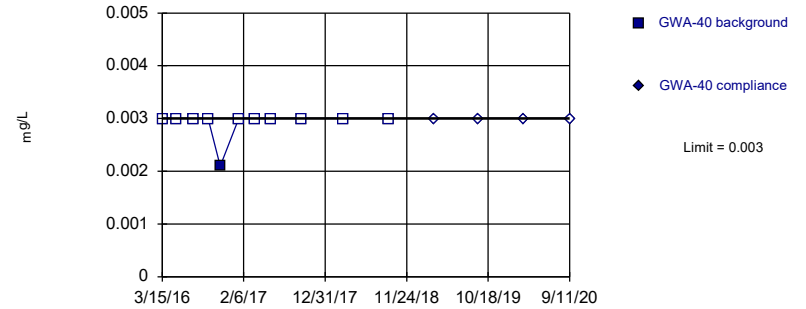


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001342, Std. Dev.=0.0008802, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8365, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Antimony Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
 Hollow symbols indicate censored values.

Within Limit Prediction Limit
 Intrawell Non-parametric

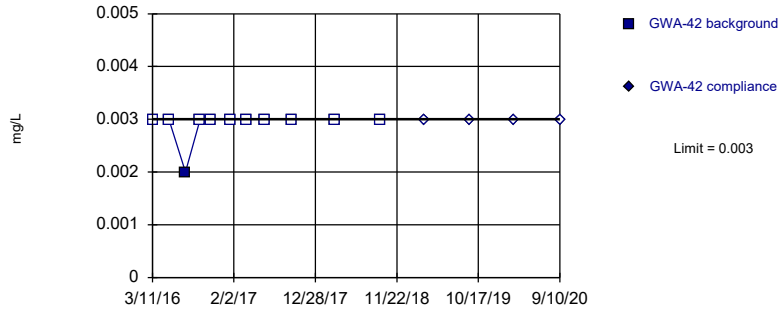


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
 Hollow symbols indicate censored values.

Within Limit Prediction Limit
 Intrawell Non-parametric

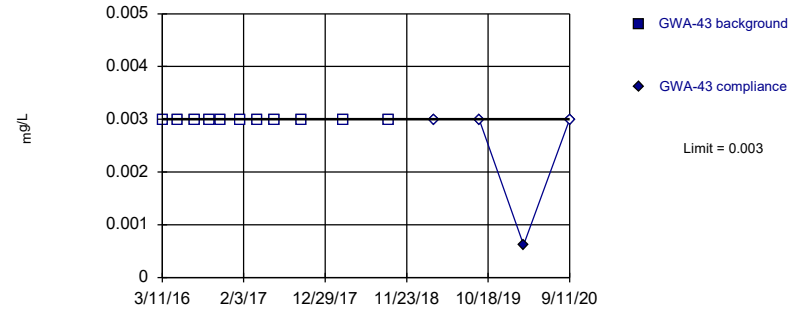


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
 Hollow symbols indicate censored values.

Within Limit Prediction Limit
 Intrawell Non-parametric

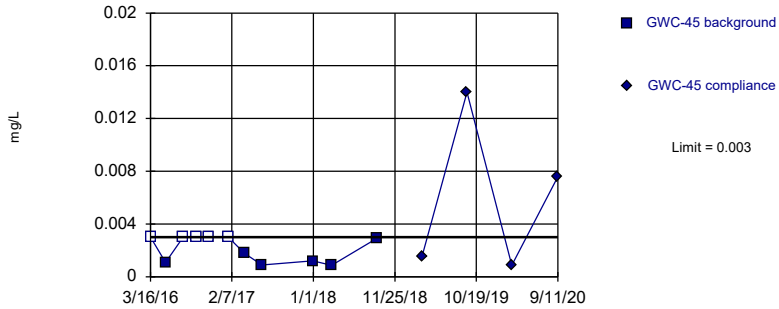


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit Intrawell Non-parametric

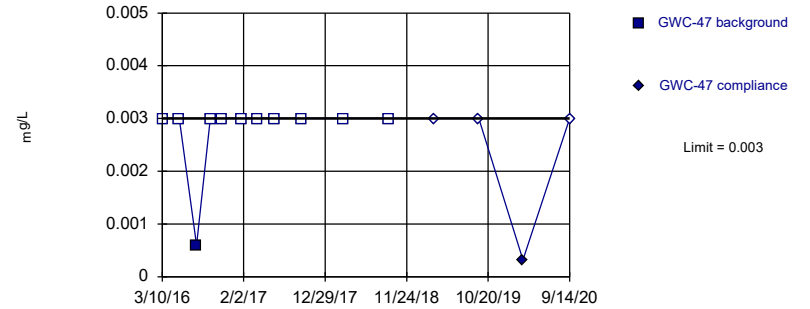


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

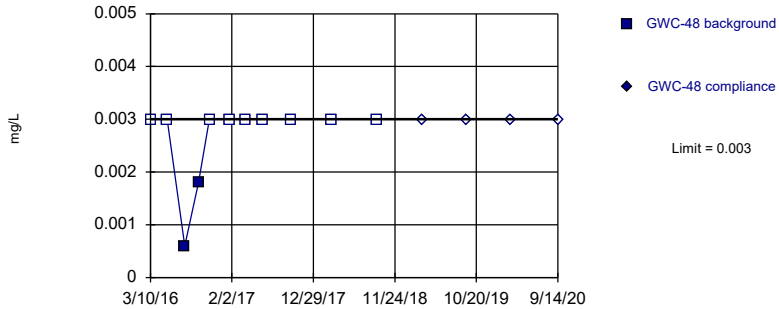


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

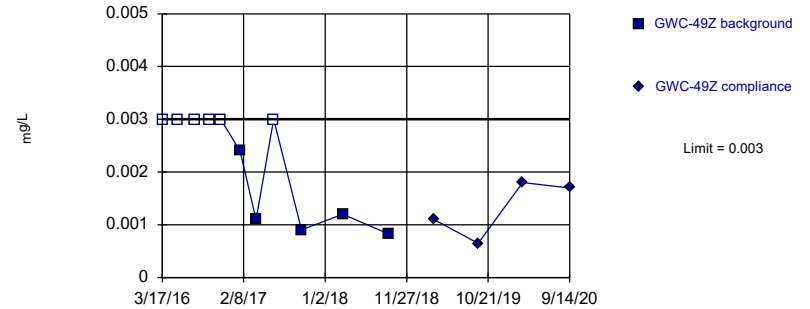


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

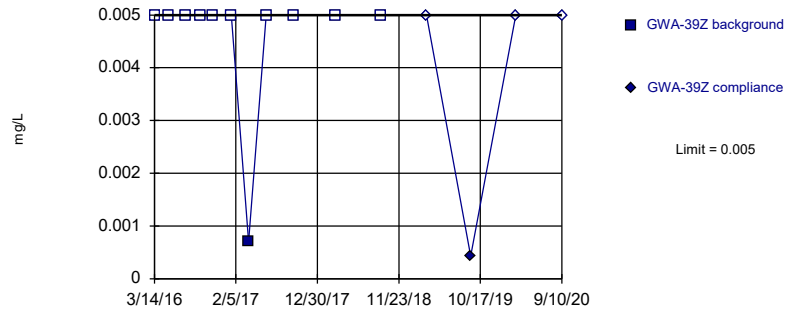


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

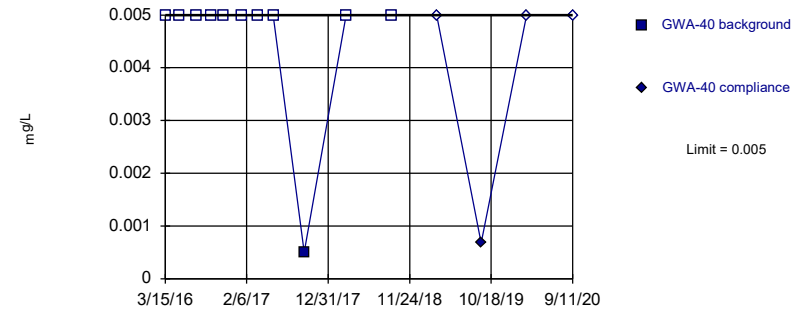


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

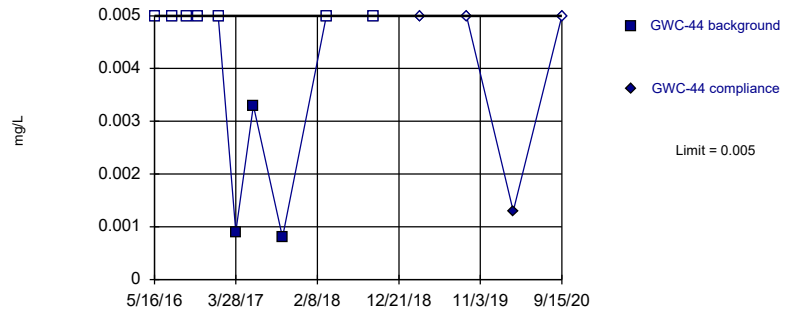


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

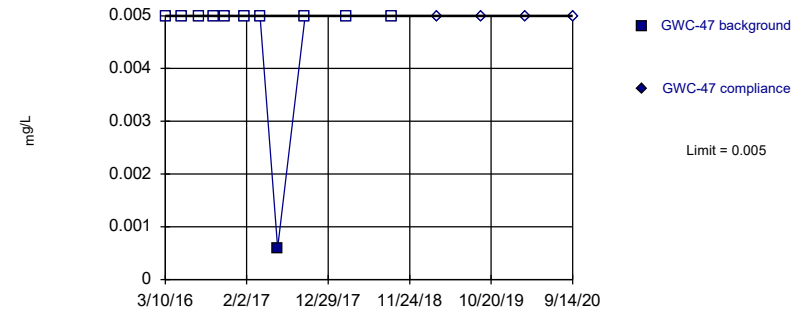


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

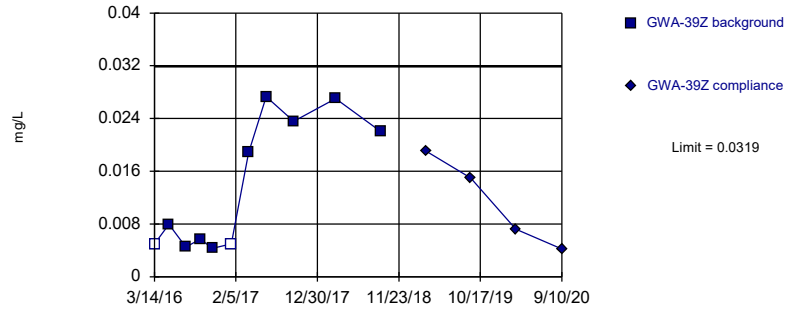


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Arsenic Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

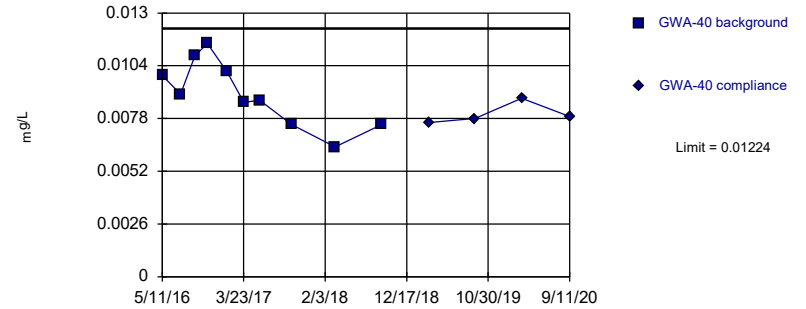


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01385, Std. Dev.=0.009342, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7963, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

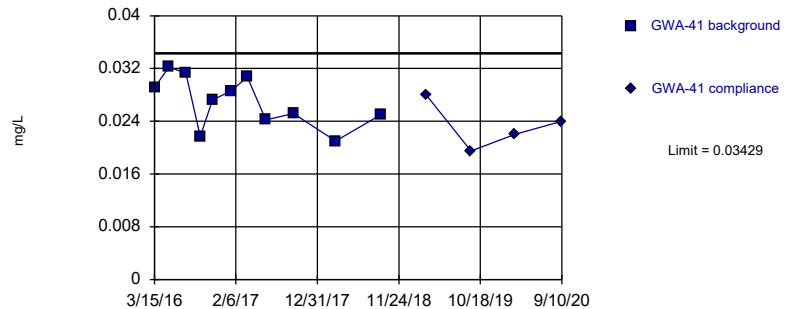


Background Data Summary: Mean=0.009012, Std. Dev.=0.001613, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9738, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

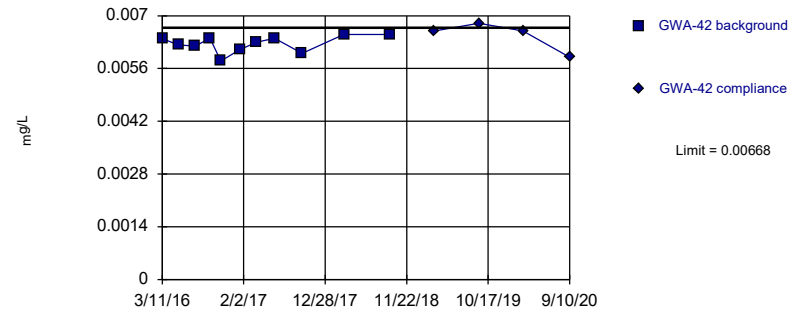


Background Data Summary: Mean=0.02693, Std. Dev.=0.003812, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9494, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

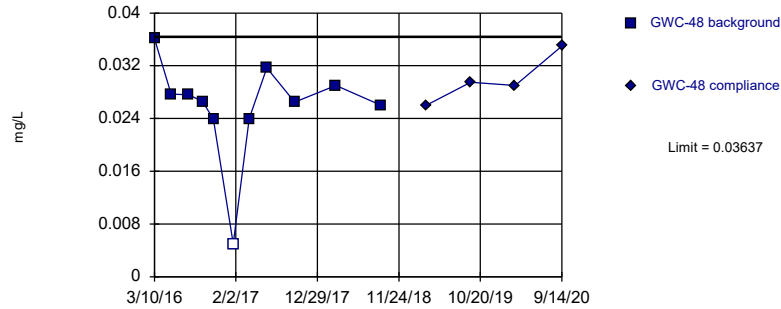


Background Data Summary: Mean=0.006255, Std. Dev.=0.0002197, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.919, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

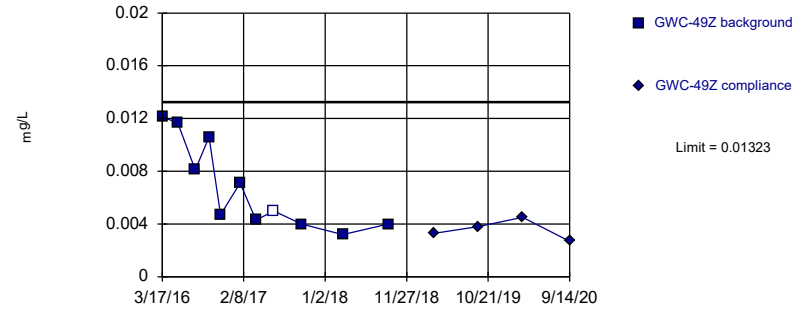


Background Data Summary (based on square transformation): Mean=0.0007215, Std. Dev.=0.0003112, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9063, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

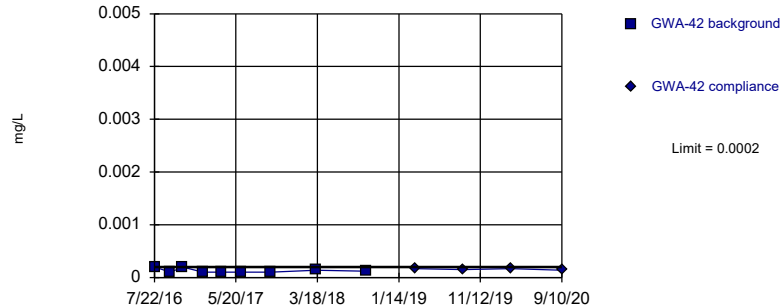


Background Data Summary: Mean=0.0068, Std. Dev.=0.00333, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8555, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Barium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

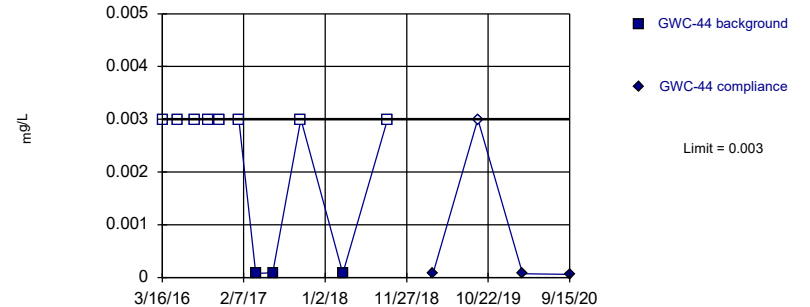


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 9 background values. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Beryllium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

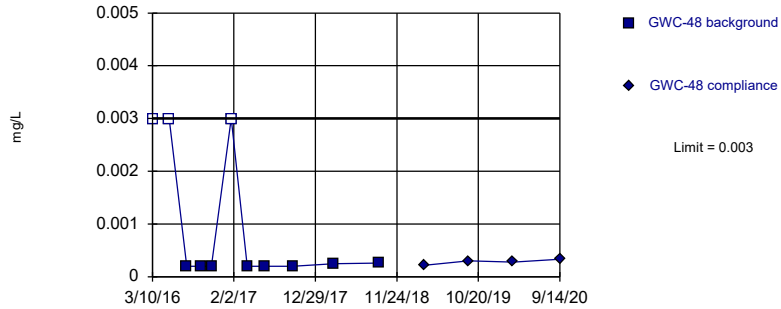


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

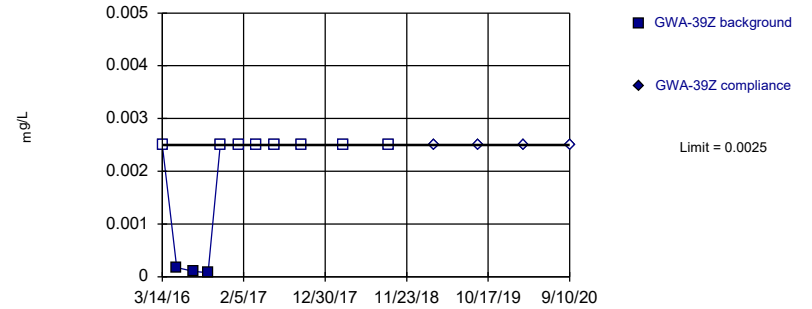


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 27.27% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

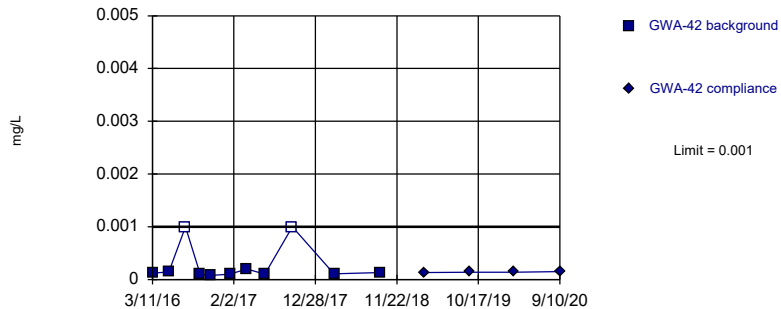


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

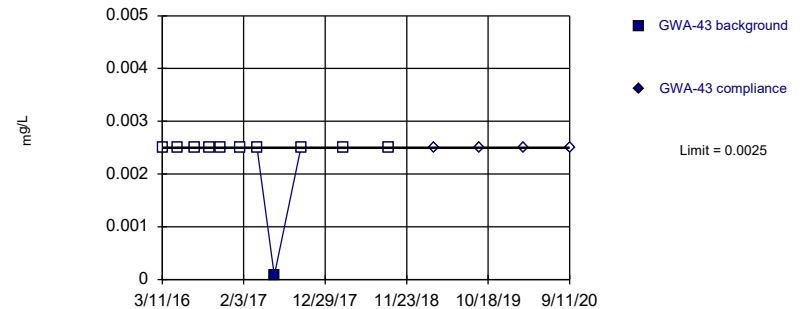


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

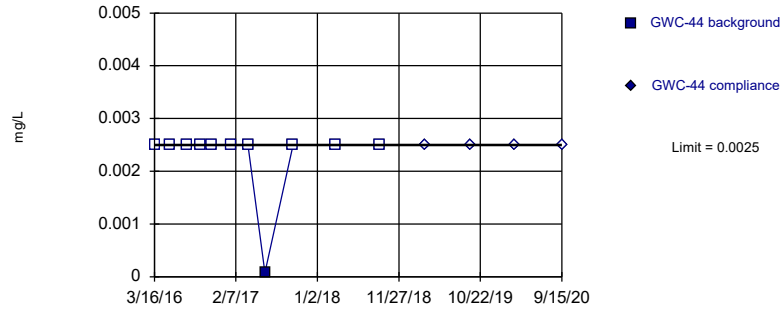


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

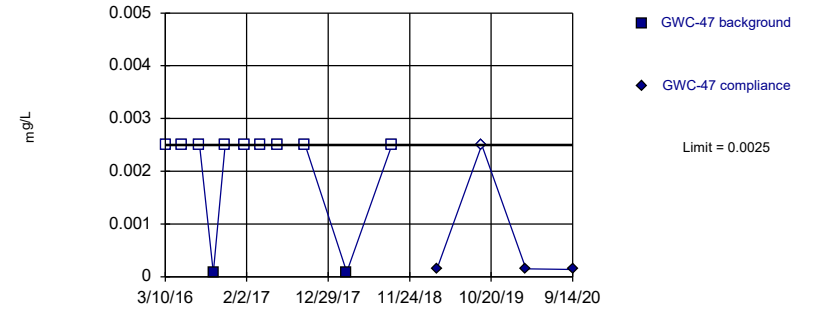


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

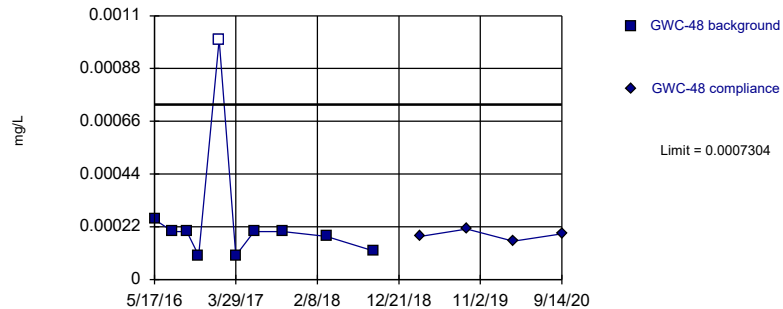


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

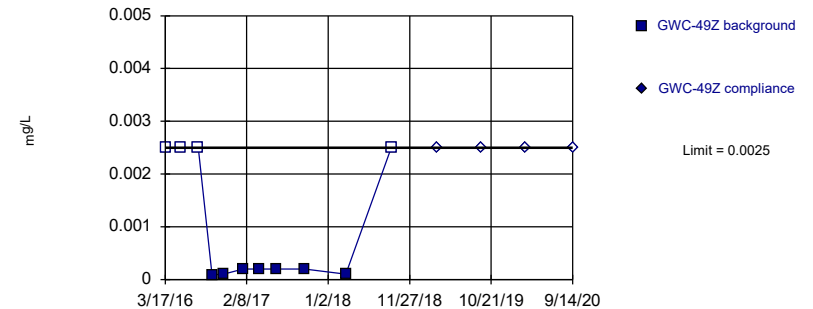


Background Data Summary (based on natural log transformation): Mean=-8.534, Std. Dev.=0.6559, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7878, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Cadmium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

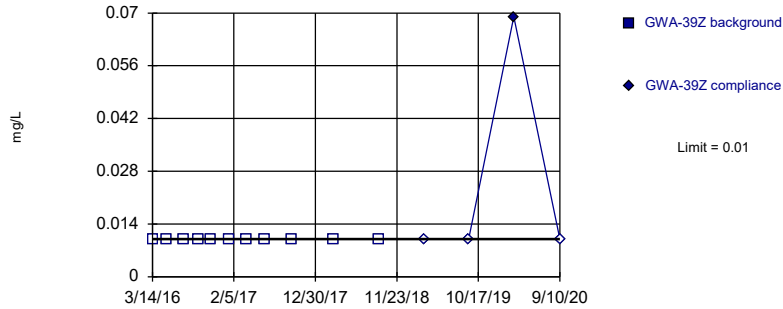


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

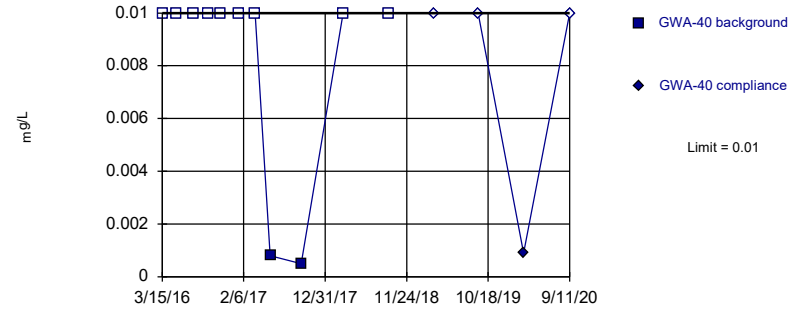


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

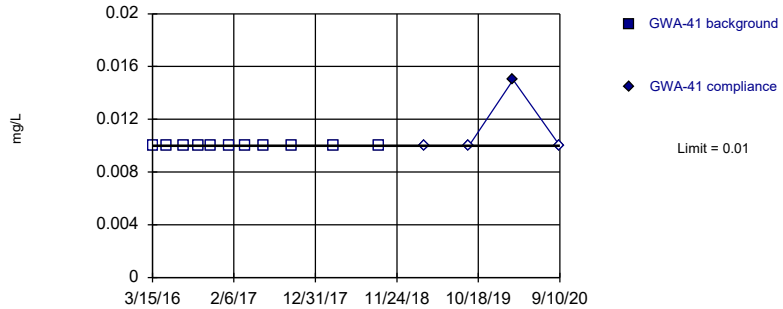


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

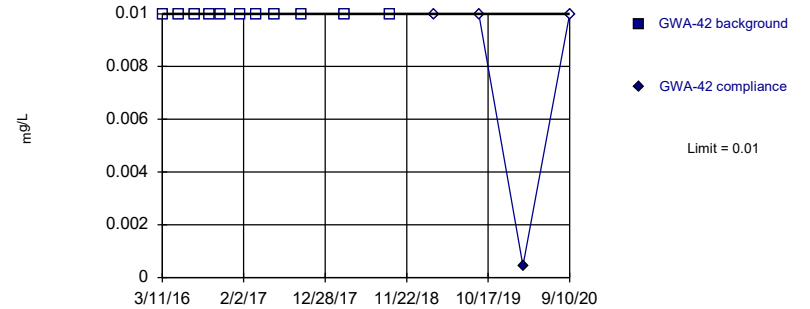


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

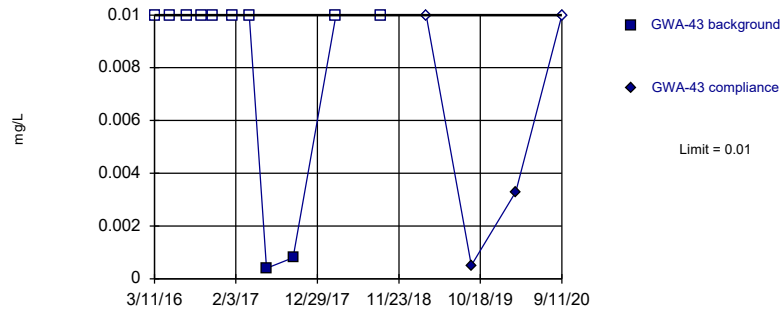


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

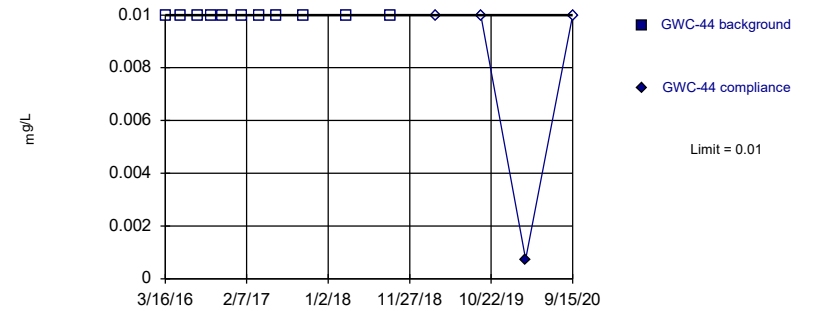


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

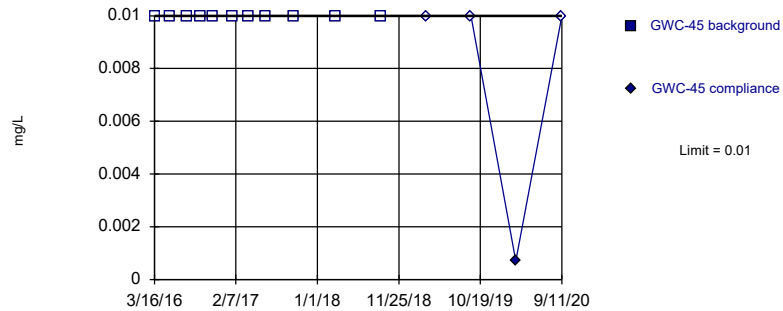


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

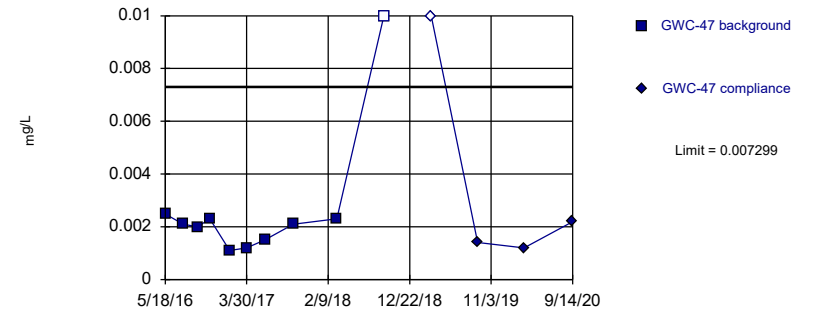


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

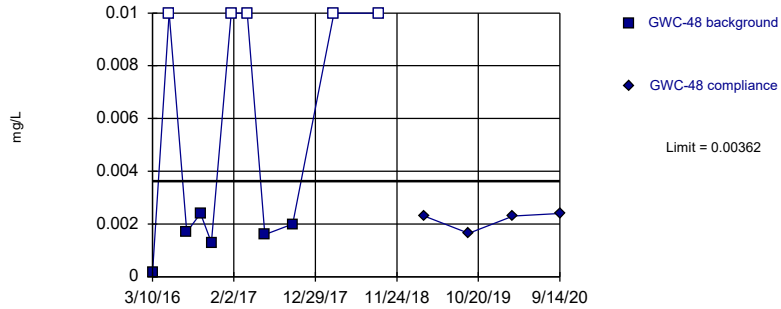
Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.134, Std. Dev.=0.6071, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7857, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

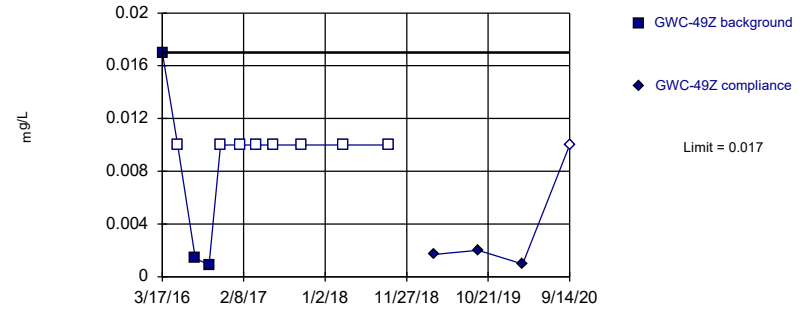
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03719, Std. Dev.=0.01189, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7973, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

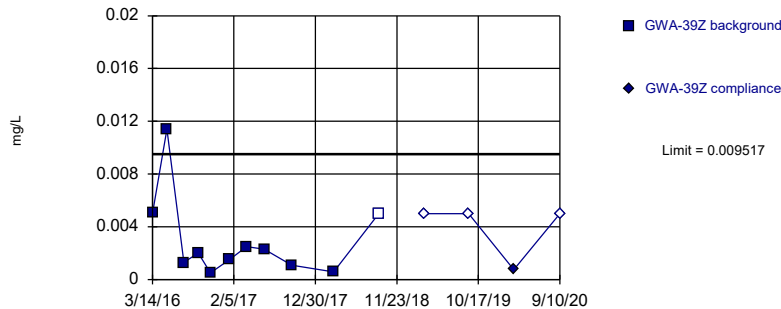
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

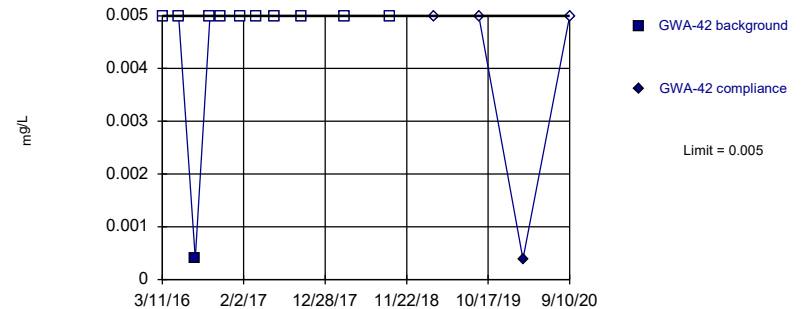
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.04959, Std. Dev.=0.02482, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8871, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Cobalt Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Non-parametric

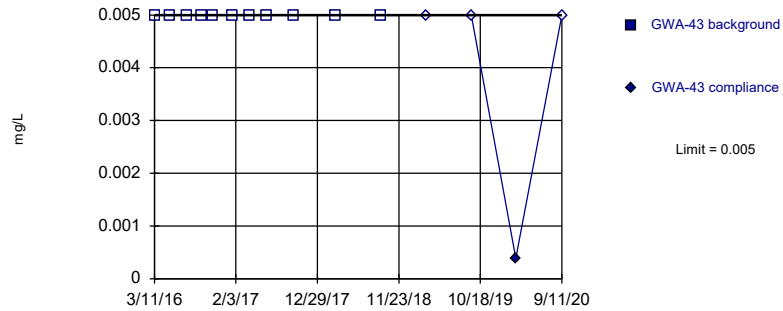


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

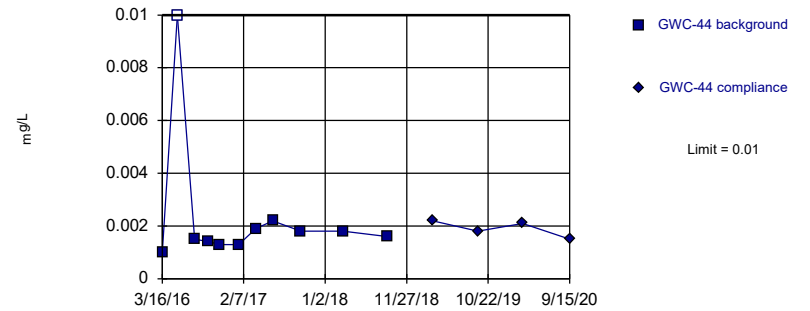


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

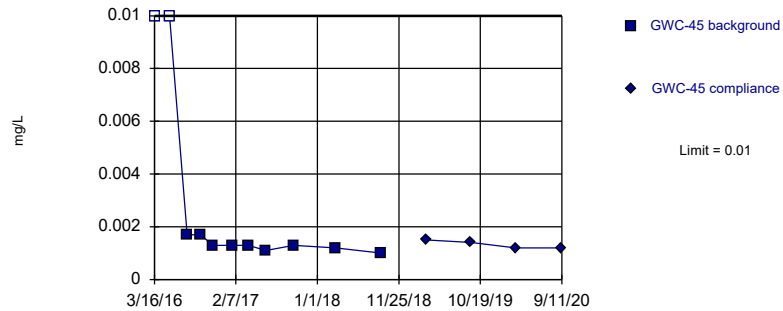


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

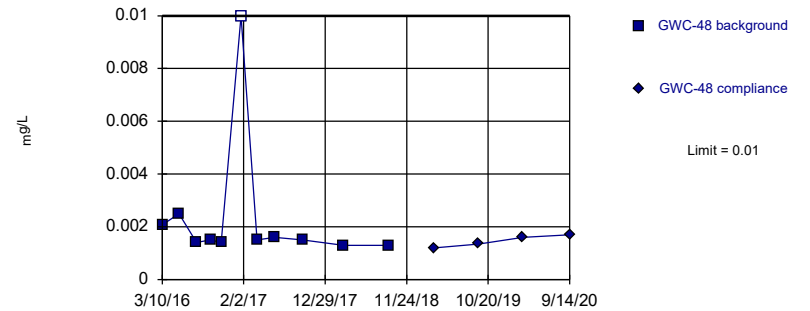


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



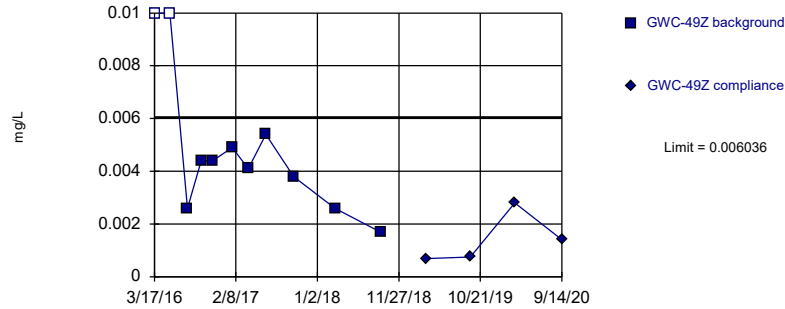
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 9.091% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cobalt Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit
 Intrawell Parametric



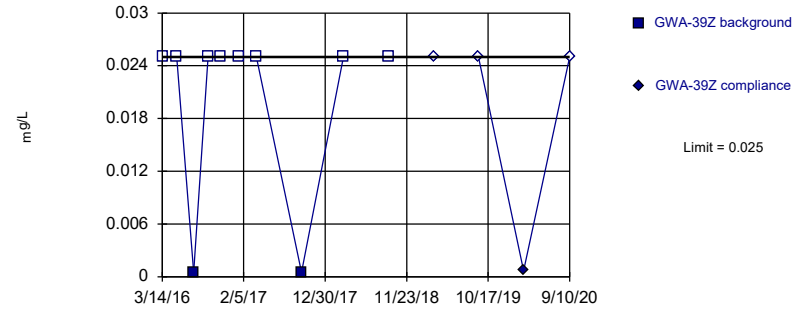
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003487, Std. Dev.=0.001319, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.83, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Cobalt Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit
 Intrawell Non-parametric



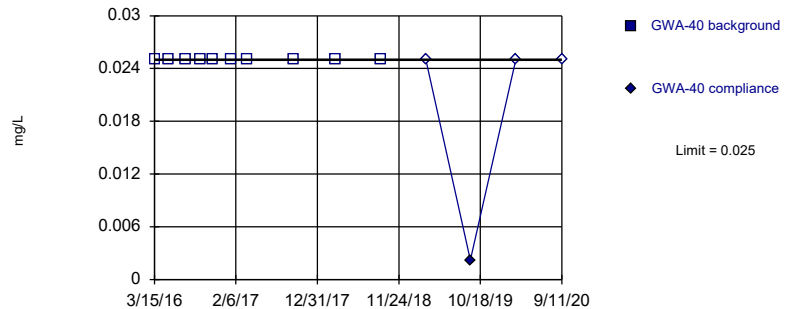
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit
 Intrawell Non-parametric



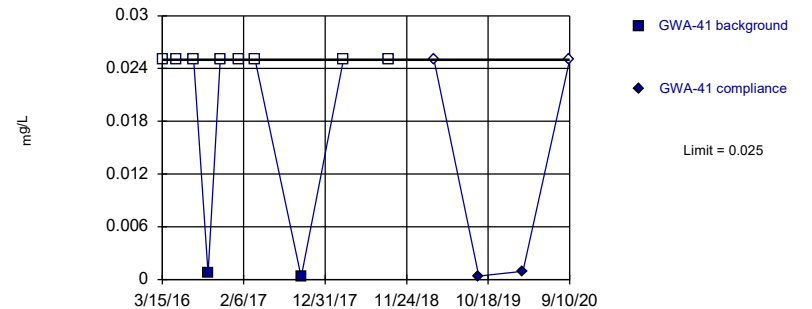
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit
 Intrawell Non-parametric

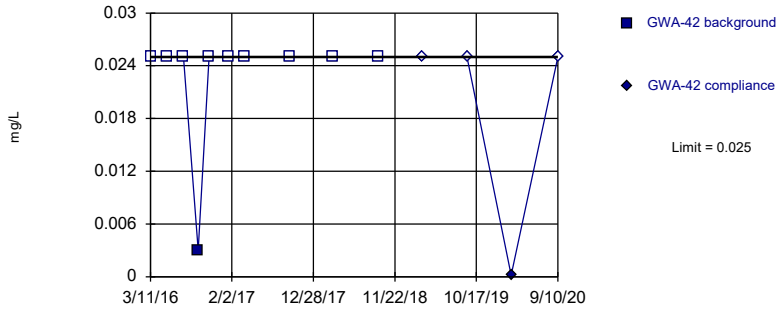


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

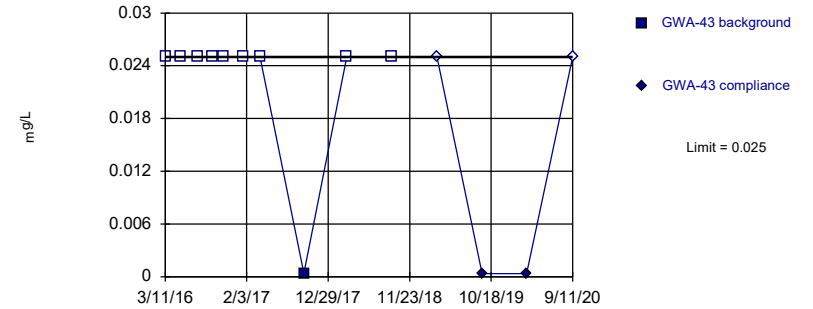


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:09 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

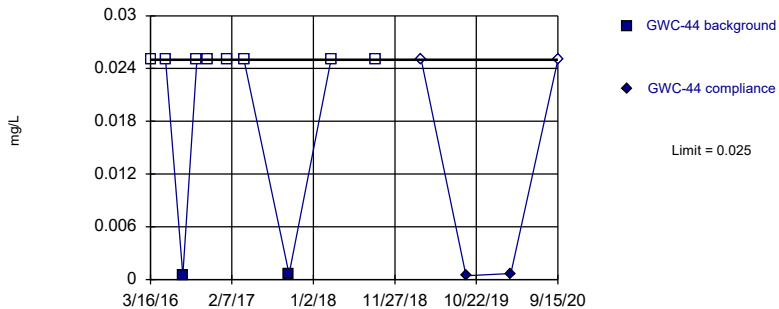


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

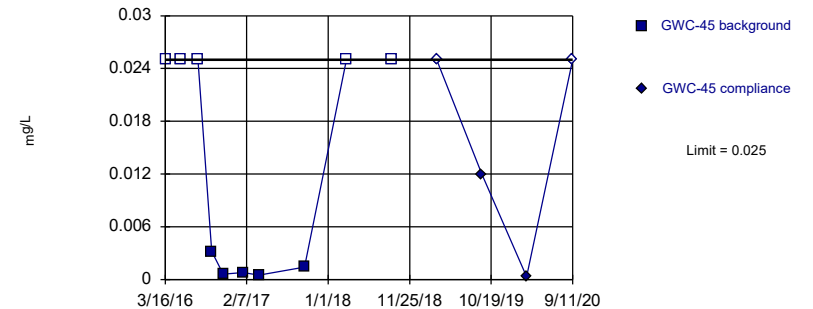


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

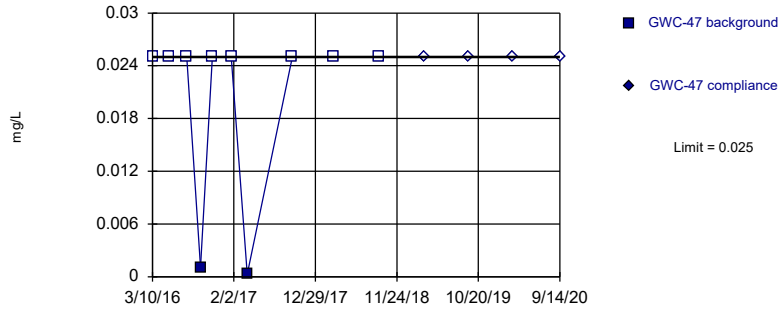


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

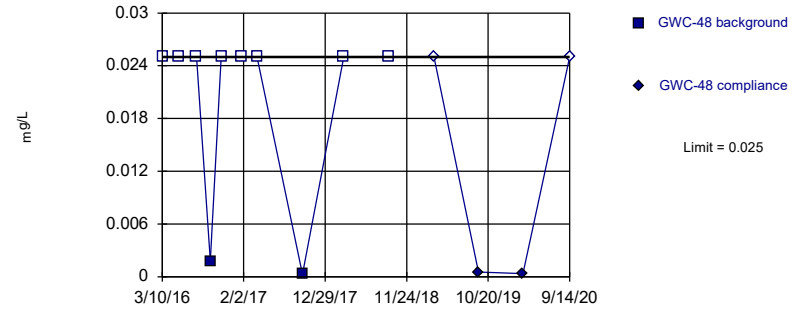


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

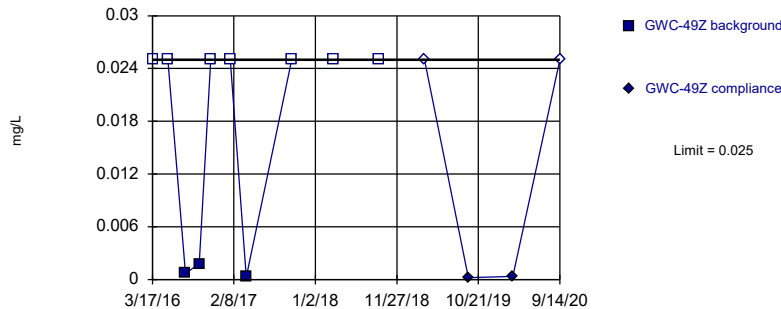


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

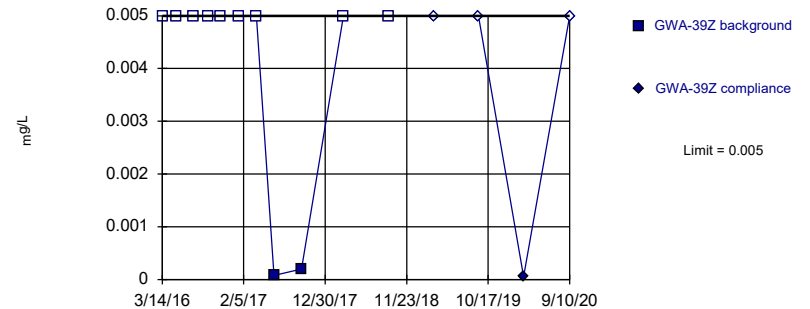


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

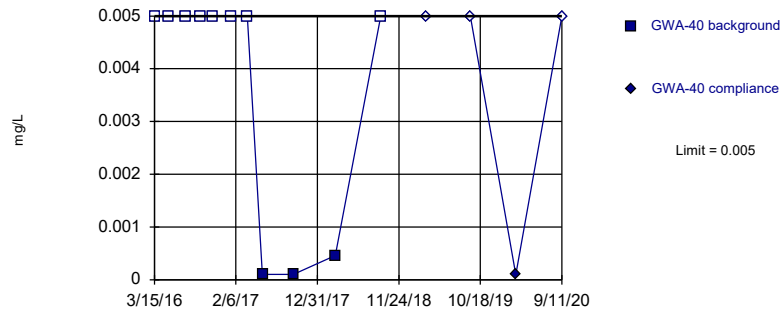


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

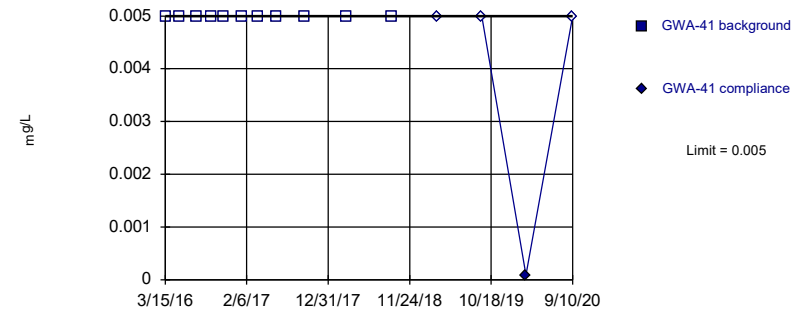


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

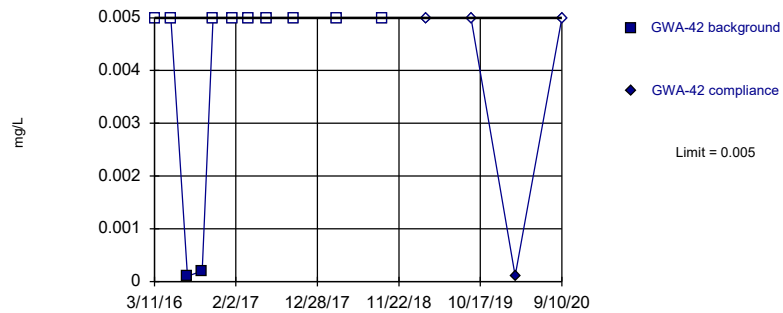


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

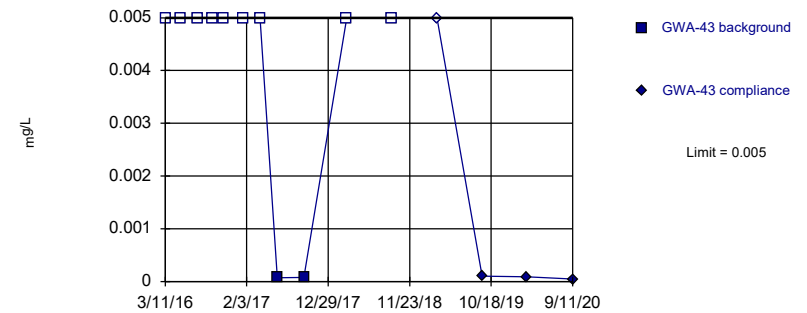


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

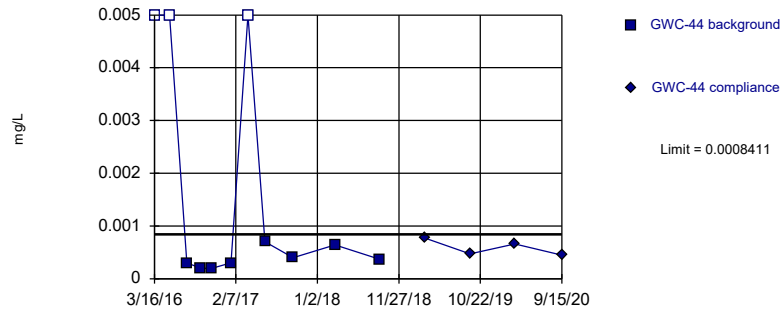


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

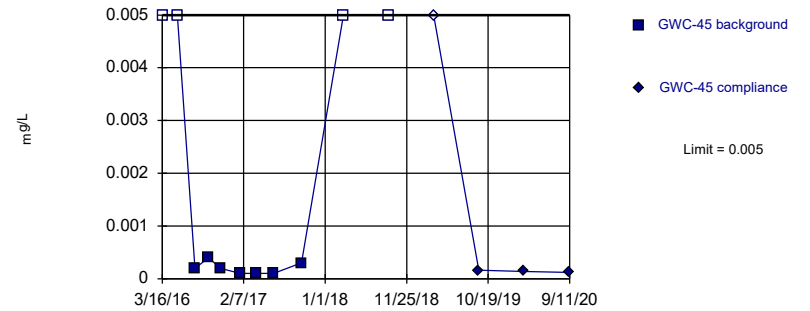


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.001, Std. Dev.=0.4762, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7955, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

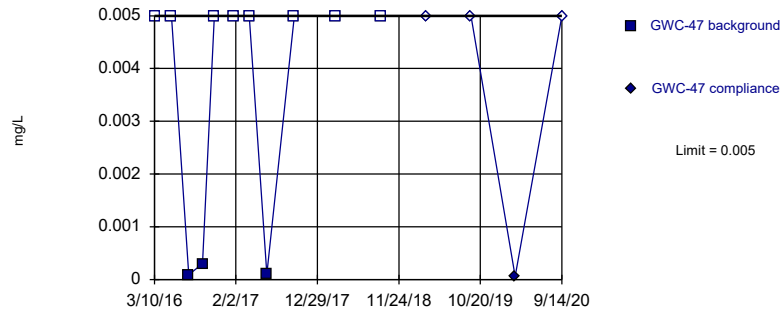


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

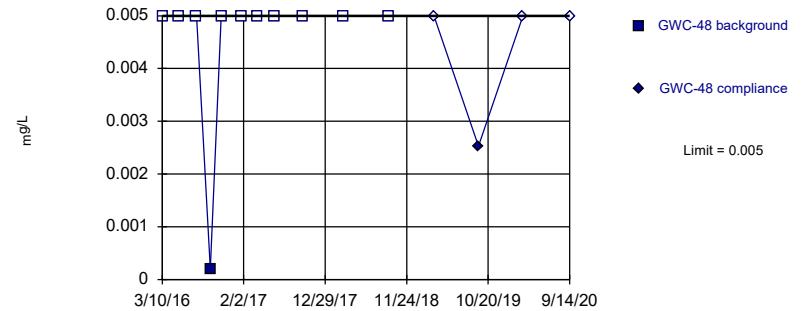


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

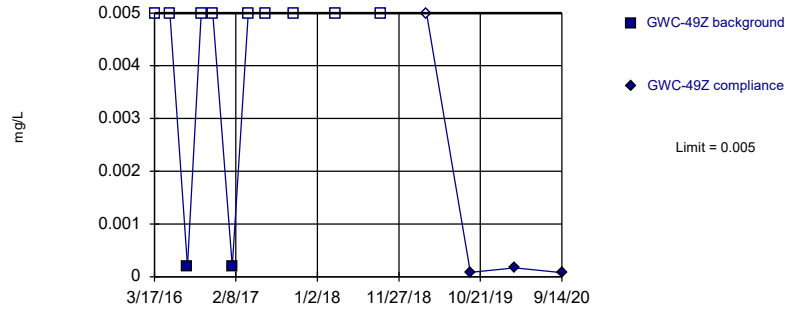
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

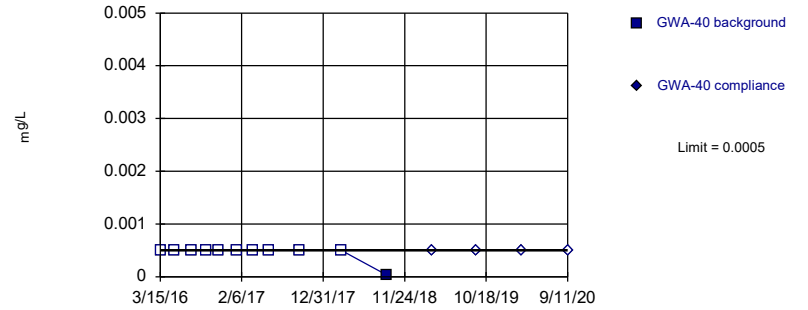
Within Limit
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

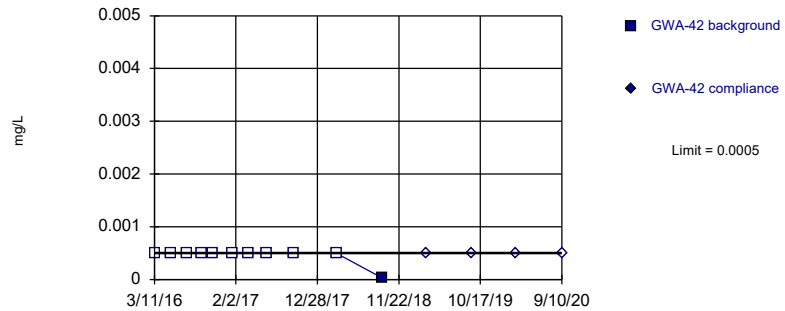
Within Limit
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

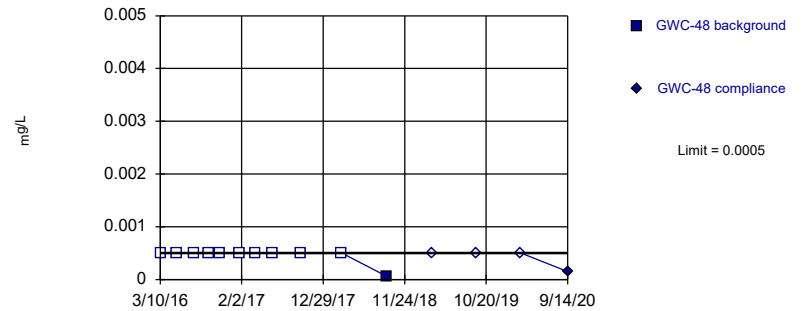
Within Limit
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit
Prediction Limit
Intrawell Non-parametric

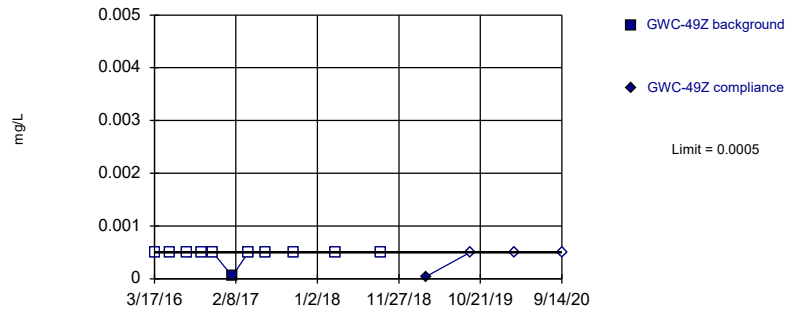


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

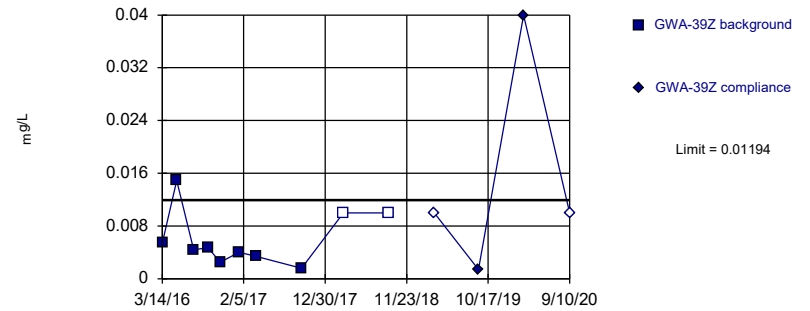


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Mercury Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

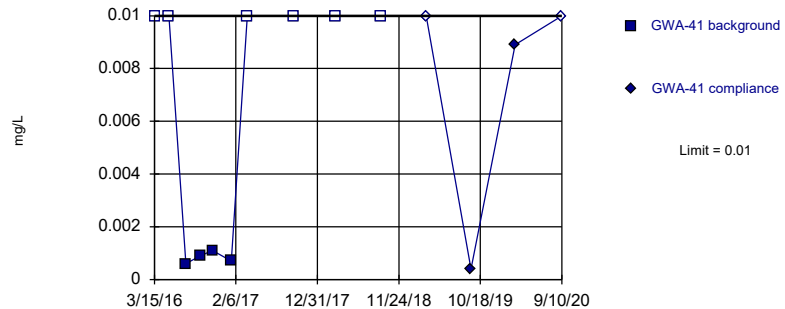


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004838, Std. Dev.=0.00355, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8664, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

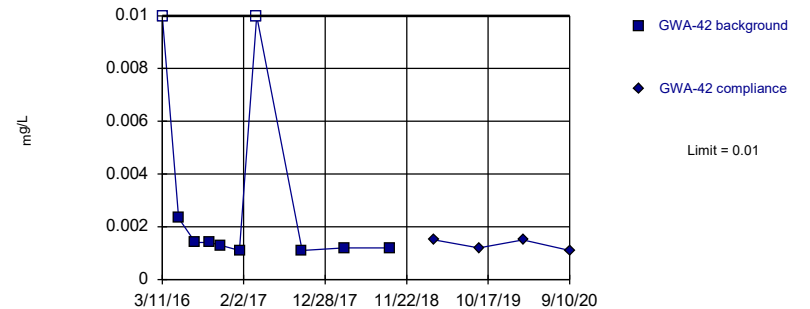


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

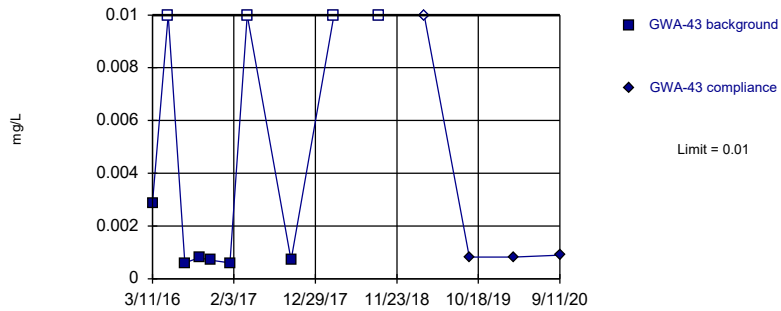


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 20% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

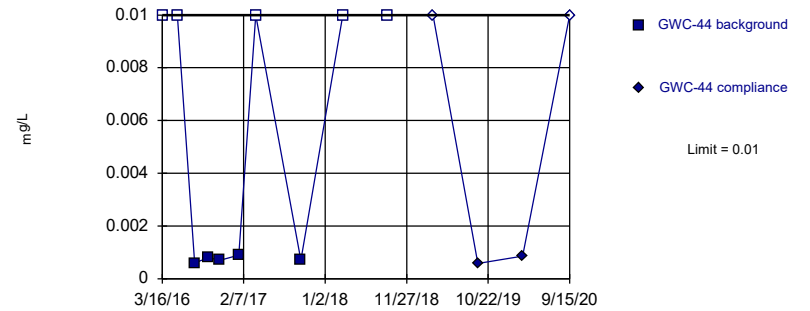


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 40% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

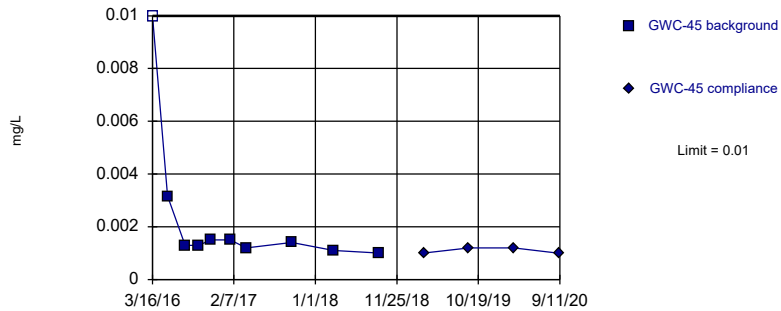


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

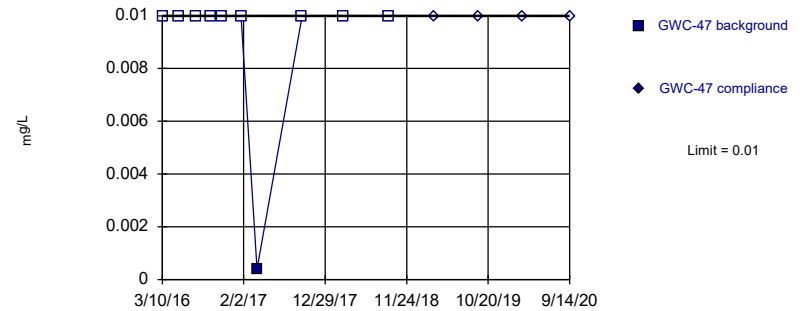


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 10% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

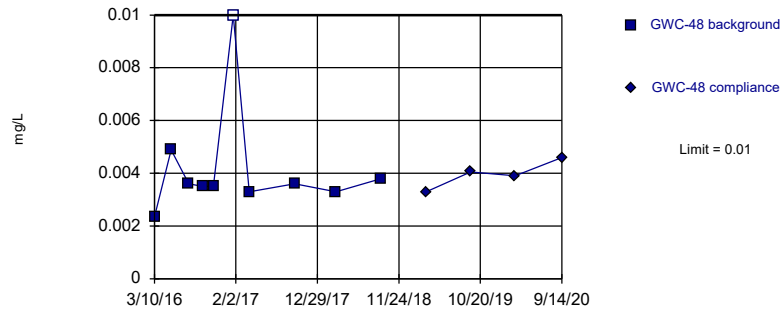


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

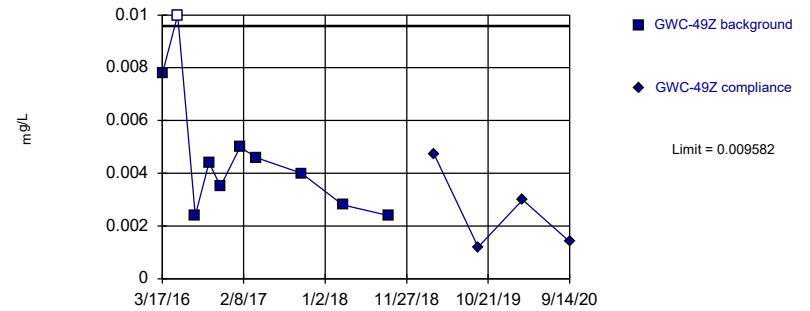


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 10% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

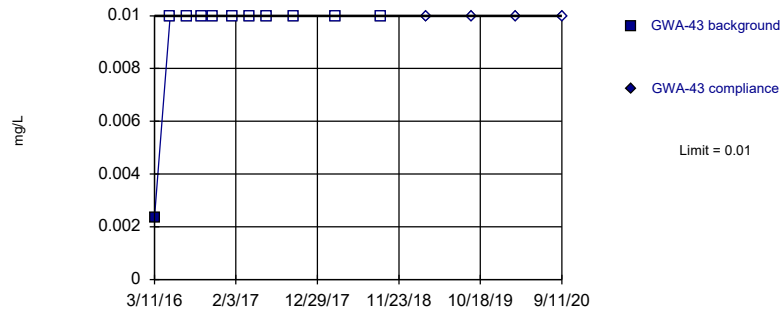


Background Data Summary: Mean=0.004688, Std. Dev.=0.002447, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8465, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Nickel Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

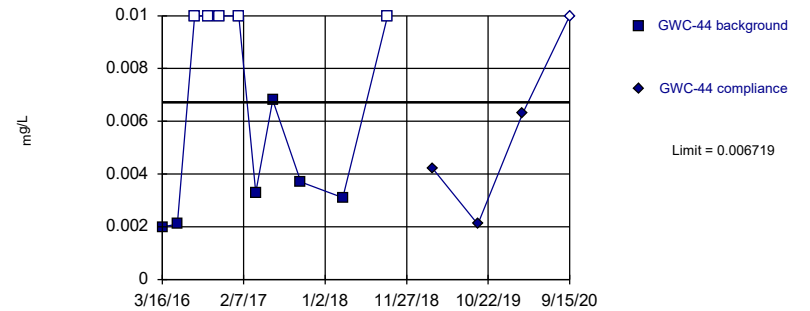


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

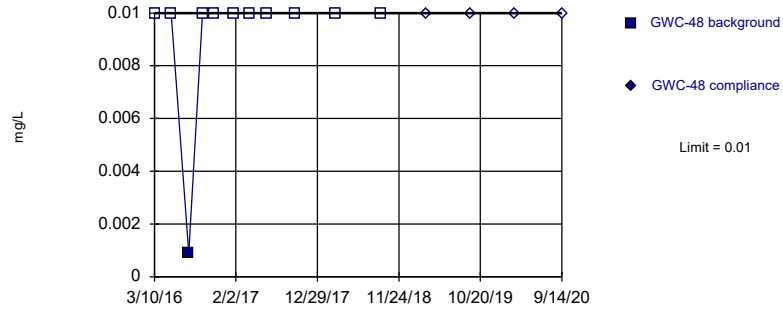


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05783, Std. Dev.=0.01249, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7929, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Selenium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

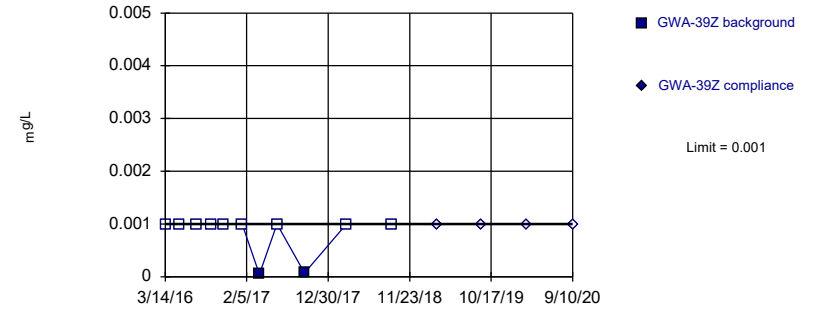


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Selenium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

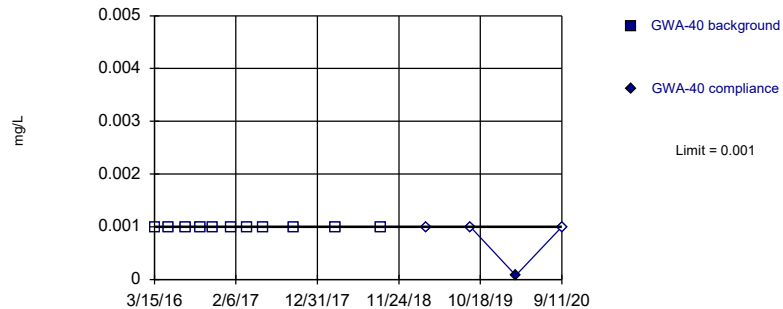


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

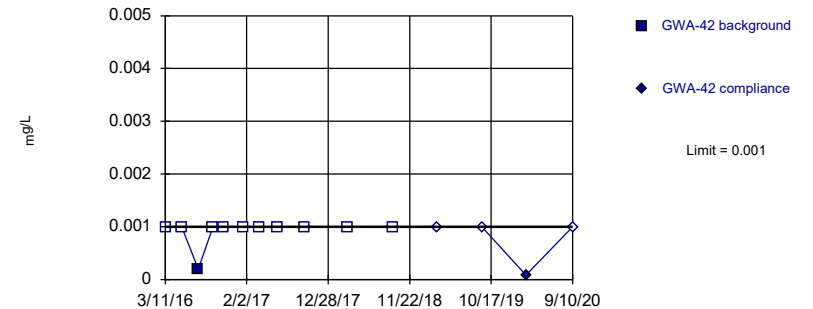


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

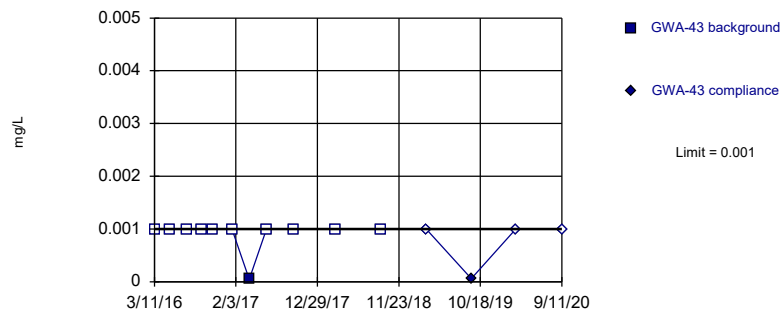


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

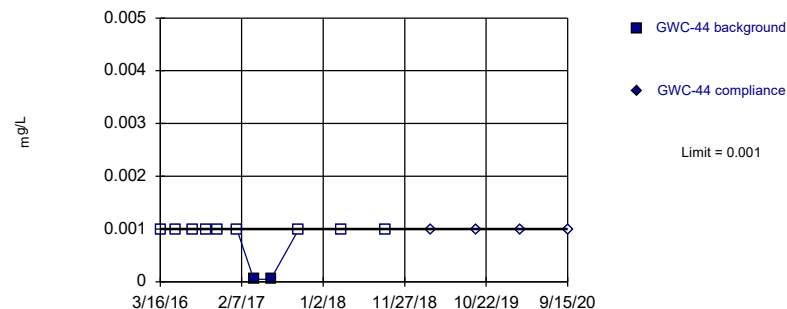


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

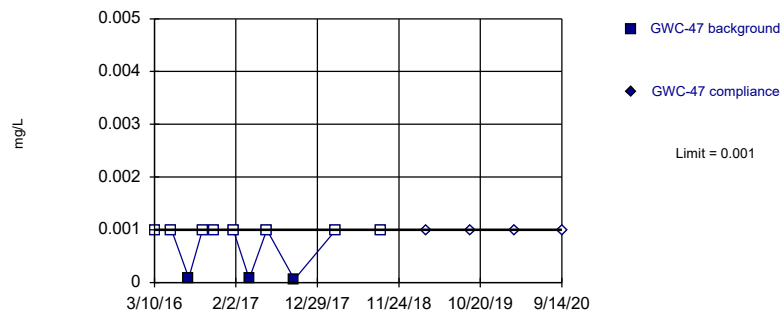


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

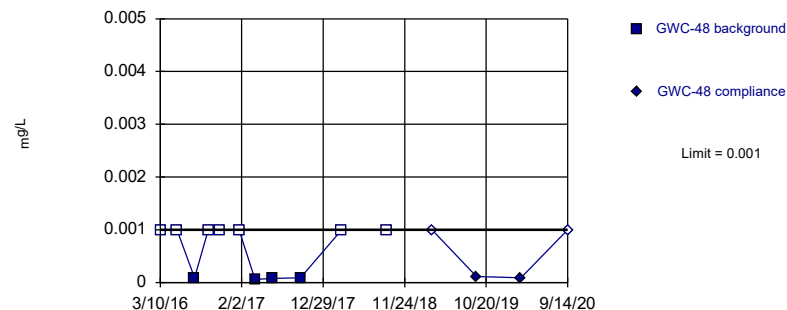


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



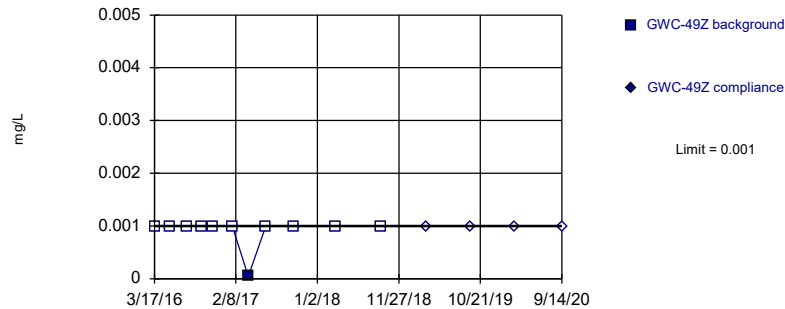
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



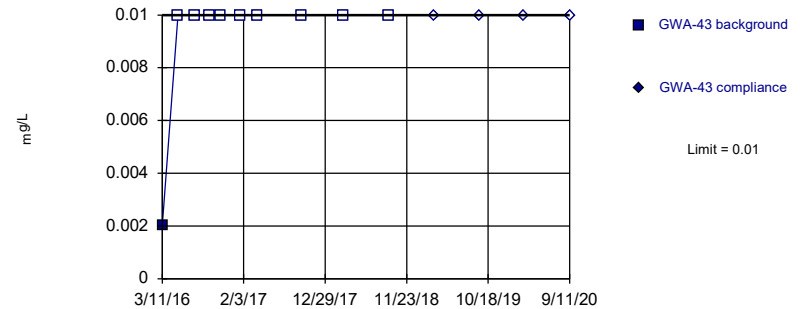
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



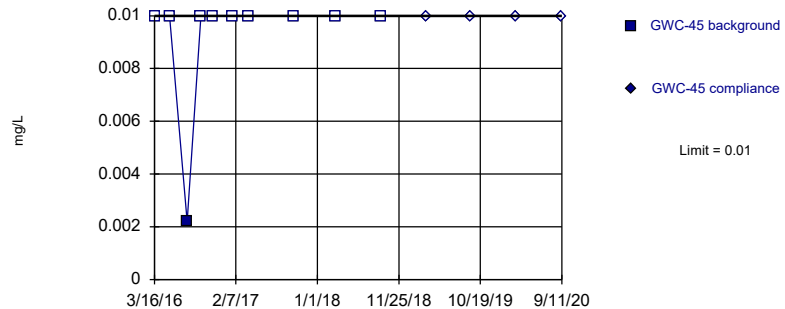
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



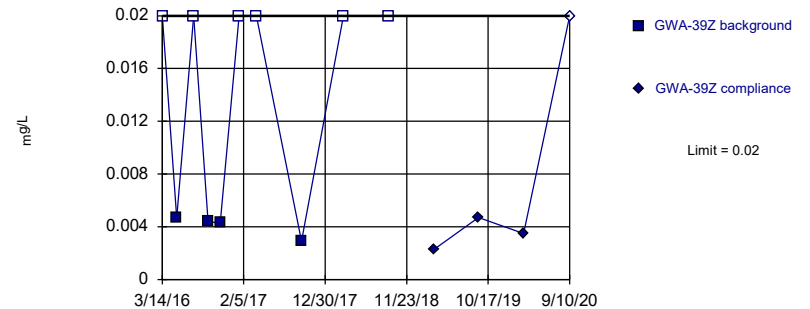
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



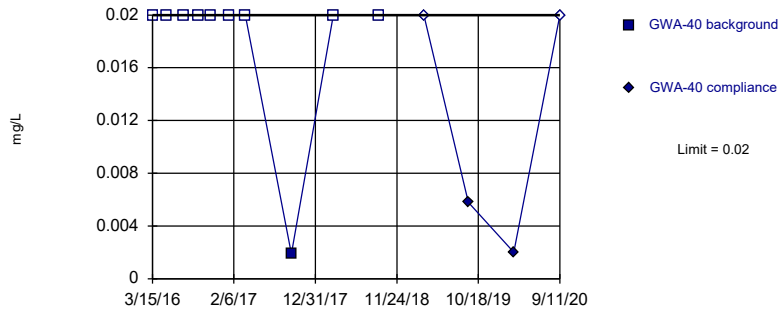
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



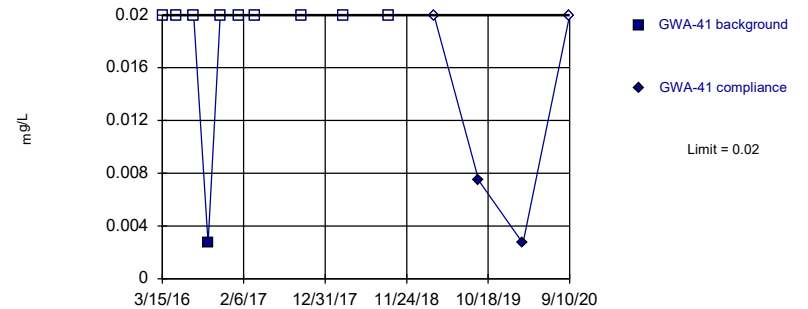
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



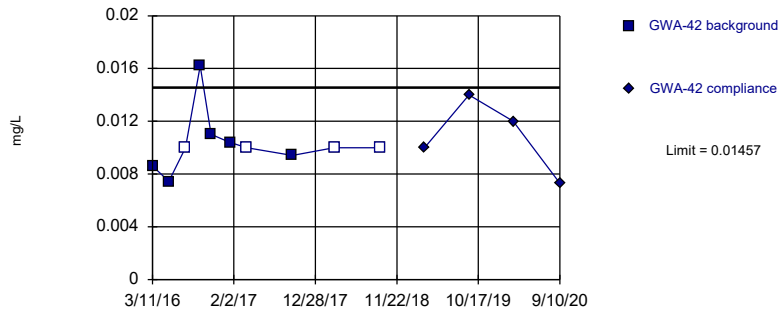
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



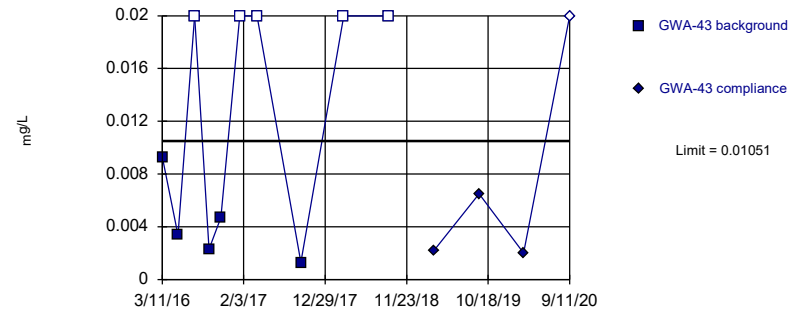
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.09783, Std. Dev.=0.01143, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8081, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric

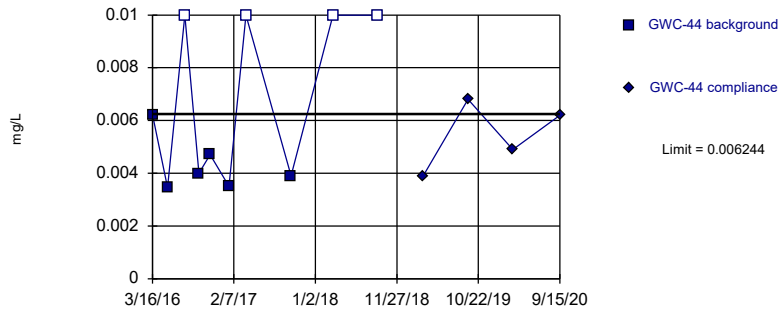


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06139, Std. Dev.=0.02056, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.792, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

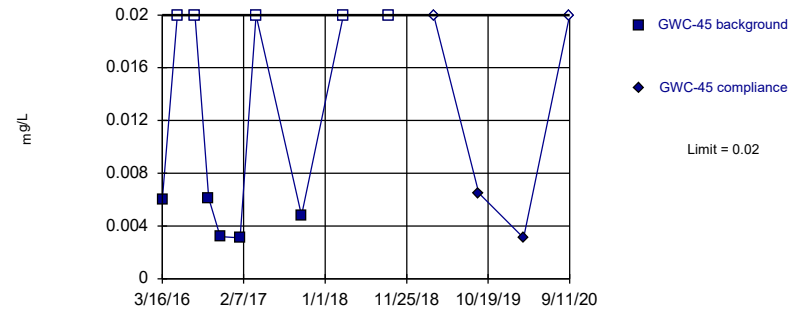


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06517, Std. Dev.=0.006924, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7836, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

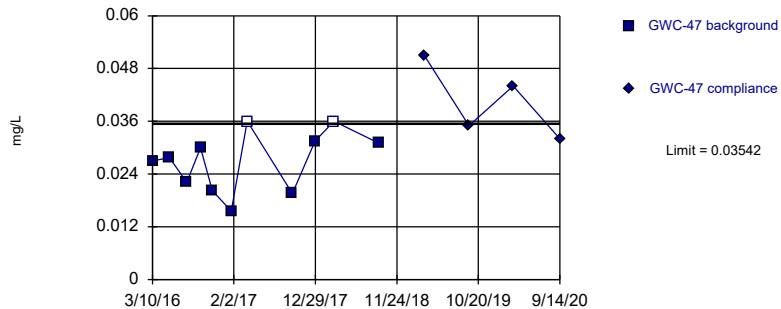


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

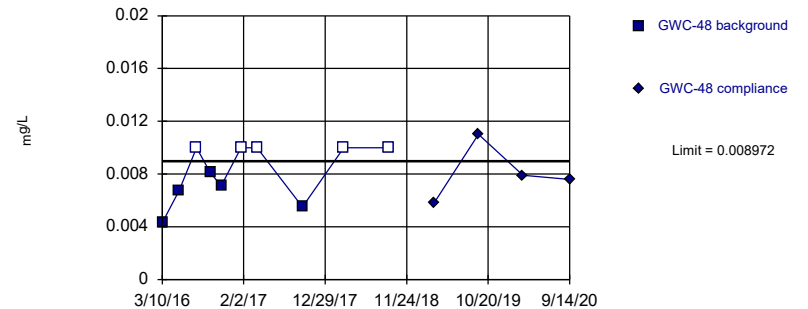


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.02497, Std. Dev.=0.005411, n=11, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9437, critical = 0.792. Kappa = 1.933 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

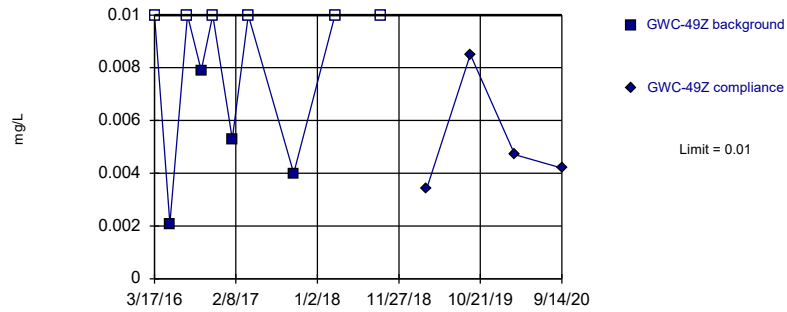


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.006348, Std. Dev.=0.001312, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8225, critical = 0.781. Kappa = 2 (c=15, w=5, 1 of 3, event alpha = 0.05132). Report alpha = 0.0007022.

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 10/30/2020 3:10 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	0.003	
5/11/2016	0.000839 (J)	
7/19/2016	0.0024 (J)	
9/15/2016	0.0009 (J)	
11/2/2016	0.001 (J)	
1/18/2017	0.0017 (J)	
3/28/2017	0.0006 (J)	
6/7/2017	0.0003 (J)	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/15/2019		<0.003
9/9/2019		0.00079 (J)
3/9/2020		0.0011 (J)
9/10/2020		0.0003 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.003	
5/11/2016	<0.003	
7/21/2016	<0.003	
9/15/2016	<0.003	
11/3/2016	0.0021 (J)	
1/17/2017	<0.003	
3/24/2017	<0.003	
5/24/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019		<0.003
9/9/2019		<0.003
3/9/2020		<0.003
9/11/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.003	
5/16/2016	<0.003	
7/22/2016	0.002 (J)	
9/19/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	<0.003	
6/7/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/14/2018	<0.003	
3/14/2019		<0.003
9/10/2019		<0.003
3/6/2020		<0.003
9/10/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003 (*)	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	<0.003	
3/28/2017	<0.003	
6/6/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019		<0.003
9/11/2019		<0.003
3/9/2020		0.00062 (J)
9/11/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.003	
5/16/2016	0.00109 (J)	
7/25/2016	<0.003 (*)	
9/19/2016	<0.003	
11/4/2016	<0.003	
1/23/2017	<0.003	
3/29/2017	0.0018 (J)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0111 (o)	
12/29/2017	0.0012 (Y)	
3/15/2018	0.00086 (J)	
9/13/2018	0.0029 (J)	
3/14/2019		0.0015 (J)
9/11/2019		0.014
3/10/2020		0.00087 (J)
9/11/2020		0.0076

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.003	
5/18/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	<0.003	
11/7/2016	<0.003	
1/23/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003	
9/27/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019		<0.003
9/12/2019		<0.003
3/9/2020		0.00032 (J)
9/14/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.003	
5/17/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	0.0018 (J)	
11/4/2016	<0.003	
1/23/2017	<0.003	
3/28/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019		<0.003
9/11/2019		<0.003 (D)
3/9/2020		<0.003
9/14/2020		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.003	
5/18/2016	<0.003	
7/28/2016	<0.003	
9/21/2016	<0.003	
11/7/2016	<0.003 (*)	
1/24/2017	0.0024 (J)	
3/30/2017	0.0011 (J)	
6/9/2017	<0.003 (*)	
9/29/2017	0.0009 (J)	
3/15/2018	0.0012 (J)	
9/14/2018	0.00083 (J)	
3/19/2019		0.0011 (J)
9/11/2019		0.00065 (J)
3/9/2020		0.0018 (J)
9/14/2020		0.0017 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0007 (J)	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019		<0.005
9/9/2019		0.00043 (J)
3/9/2020		<0.005
9/10/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005	
5/24/2017	<0.005	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019		<0.005
9/9/2019		0.00068 (J)
3/9/2020		<0.005
9/11/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	0.0657 (o)	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	0.0009 (J)	
6/5/2017	0.0033 (J)	
9/26/2017	0.0008 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019		<0.005
9/11/2019		<0.005
3/10/2020		0.0013 (J)
9/15/2020		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	<0.005	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.0006 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019		<0.005
9/12/2019		<0.005
3/9/2020		<0.005
9/14/2020		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.01	
5/11/2016	0.00793 (J)	
7/19/2016	0.0045 (J)	
9/15/2016	0.0057 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.01 (*)	
3/28/2017	0.0188	
6/7/2017	0.0273	
9/26/2017	0.0236	
3/14/2018	0.027	
9/12/2018	0.022	
3/15/2019		0.019
9/9/2019		0.015
3/9/2020		0.0072 (J)
9/10/2020		0.0042 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<3 (o)	
5/11/2016	0.00992 (J)	
7/21/2016	0.009 (J)	
9/15/2016	0.0109	
11/3/2016	0.0115	
1/17/2017	0.0101	
3/24/2017	0.0086 (J)	
5/24/2017	0.0087 (J)	
9/26/2017	0.0075 (J)	
3/14/2018	0.0064 (J)	
9/12/2018	0.0075 (J)	
3/13/2019		0.0076 (J)
9/9/2019		0.0078 (J)
3/9/2020		0.0088 (J)
9/11/2020		0.0079 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	0.0291	
5/12/2016	0.0322	
7/20/2016	0.0313	
9/15/2016	0.0217	
11/3/2016	0.0272	
1/18/2017	0.0286 (J)	
3/24/2017	0.0307	
6/6/2017	0.0242	
9/25/2017	0.0252	
3/14/2018	0.021	
9/12/2018	0.025	
3/14/2019		0.028
9/10/2019		0.0195 (D)
3/6/2020		0.022
9/10/2020		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	0.00639 (J)	
5/16/2016	0.00622 (J)	
7/22/2016	0.0062 (J)	
9/19/2016	0.0064 (J)	
11/3/2016	0.0058 (J)	
1/17/2017	0.0061 (J)	
3/27/2017	0.0063 (J)	
6/7/2017	0.0064 (J)	
9/26/2017	0.006 (J)	
3/14/2018	0.0065 (J)	
9/14/2018	0.0065 (J)	
3/14/2019		0.0066 (J)
9/10/2019		0.0068 (J)
3/6/2020		0.0066 (J)
9/10/2020		0.0059 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.0116	
5/13/2016	0.0361	
7/19/2016	0.036	
9/16/2016	0.0259	
11/2/2016	0.037	
1/18/2017	0.0248	
3/28/2017	0.0222	
6/6/2017	0.02	
9/22/2017	0.0179	
3/14/2018	0.016	
9/12/2018	0.017	
3/13/2019		0.014
9/11/2019		0.015
3/9/2020		0.012
9/11/2020		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<3 (o)	
5/16/2016	0.0418	
7/25/2016	0.0179	
9/19/2016	0.0152	
11/3/2016	0.0127	
1/19/2017	0.0172	
3/28/2017	0.0437	
6/5/2017	0.0747	
9/26/2017	0.0338	
3/15/2018	0.059	
9/12/2018	0.032	
3/14/2019		0.077
9/11/2019		0.036
3/10/2020		0.059
9/15/2020		0.035

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.6294 (o)	
5/16/2016	0.006 (J)	
7/25/2016	0.0056 (J)	
9/19/2016	0.0059 (J)	
11/4/2016	0.0054 (J)	
1/23/2017	0.006 (J)	
3/29/2017	0.0058 (J)	
6/7/2017	0.0062 (J)	
9/27/2017	0.0056 (J)	
3/15/2018	0.0057 (J)	
9/13/2018	0.0057 (J)	
3/14/2019		0.0066 (J)
9/11/2019		0.0061 (J)
3/10/2020		0.0061 (J)
9/11/2020		0.006 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	0.0144	
5/18/2016	0.0136	
7/27/2016	0.013	
9/20/2016	0.0146	
11/7/2016	0.0124	
1/23/2017	0.0158	
3/29/2017	0.017	
6/8/2017	0.0149	
9/27/2017	0.012	
3/15/2018	0.011	
9/13/2018	0.011	
3/15/2019		0.01
9/12/2019		0.0085 (J)
3/9/2020		0.0089 (J)
9/14/2020		0.0082 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.0361	
5/17/2016	0.0277	
7/27/2016	0.0276	
9/20/2016	0.0266	
11/4/2016	0.0239	
1/23/2017	<0.01	
3/28/2017	0.024	
6/8/2017	0.0317	
9/29/2017	0.0265	
3/15/2018	0.029	
9/13/2018	0.026	
3/15/2019		0.026
9/11/2019		0.0295 (D)
3/9/2020		0.029
9/14/2020		0.035

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	0.0121	
5/18/2016	0.0117	
7/28/2016	0.0081 (J)	
9/21/2016	0.0106	
11/7/2016	0.0047 (J)	
1/24/2017	0.0071 (J)	
3/30/2017	0.0043 (J)	
6/9/2017	<0.01 (*)	
9/29/2017	0.004 (J)	
3/15/2018	0.0032 (J)	
9/14/2018	0.004 (J)	
3/19/2019		0.0033 (J)
9/11/2019		0.0038 (J)
3/9/2020		0.0045 (J)
9/14/2020		0.0027 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.005 (o)	
5/16/2016	<0.003 (o)	
7/22/2016	0.0002 (J)	
9/19/2016	0.0001 (J)	
11/3/2016	0.0002 (J)	
1/17/2017	0.0001 (J)	
3/27/2017	0.0001 (J)	
6/7/2017	0.0001 (J)	
9/26/2017	0.0001 (J)	
3/14/2018	0.00014 (J)	
9/14/2018	0.00012 (J)	
3/14/2019		0.00017 (J)
9/10/2019		0.00015 (J)
3/6/2020		0.00017 (J)
9/10/2020		0.00014 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.003	
5/16/2016	<0.003	
7/25/2016	<0.003	
9/19/2016	<0.003	
11/3/2016	<0.003	
1/19/2017	<0.003	
3/28/2017	8E-05 (J)	
6/5/2017	9E-05 (J)	
9/26/2017	<0.003	
3/15/2018	7.7E-05 (J)	
9/12/2018	<0.003	
3/14/2019		7.8E-05 (J)
9/11/2019		<0.003
3/10/2020		7.4E-05 (J)
9/15/2020		5.7E-05 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.003	
5/17/2016	<0.003	
7/27/2016	0.0002 (J)	
9/20/2016	0.0002 (J)	
11/4/2016	0.0002 (J)	
1/23/2017	<0.003	
3/28/2017	0.0002 (J)	
6/8/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.00025 (J)	
9/13/2018	0.00026 (J)	
3/15/2019		0.00022 (J)
9/11/2019		0.0003 (JD)
3/9/2020		0.00028 (J)
9/14/2020		0.00033 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.0025	
5/11/2016	0.000177 (J)	
7/19/2016	0.0001 (J)	
9/15/2016	8E-05 (J)	
11/2/2016	<0.0025	
1/18/2017	<0.0025	
3/28/2017	<0.0025	
6/7/2017	<0.0025	
9/26/2017	<0.0025	
3/14/2018	<0.0025	
9/12/2018	<0.0025	
3/15/2019		<0.0025
9/9/2019		<0.0025
3/9/2020		<0.0025
9/10/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	0.000121 (J)	
5/16/2016	0.000145 (J)	
7/22/2016	<0.001	
9/19/2016	0.0001 (J)	
11/3/2016	8E-05 (J)	
1/17/2017	0.0001 (J)	
3/27/2017	0.0002 (J)	
6/7/2017	0.0001 (J)	
9/26/2017	<0.001	
3/14/2018	0.00011 (J)	
9/14/2018	0.00013 (J)	
3/14/2019		0.00013 (J)
9/10/2019		0.00014 (J)
3/6/2020		0.00014 (J)
9/10/2020		0.00015 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.0025	
5/13/2016	<0.0025	
7/19/2016	<0.0025	
9/16/2016	<0.0025	
11/2/2016	<0.0025	
1/18/2017	<0.0025	
3/28/2017	<0.0025	
6/6/2017	8E-05 (J)	
9/22/2017	<0.0025	
3/14/2018	<0.0025	
9/12/2018	<0.0025	
3/13/2019		<0.0025
9/11/2019		<0.0025
3/9/2020		<0.0025
9/11/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.0025	
5/16/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/3/2016	<0.0025	
1/19/2017	<0.0025	
3/28/2017	<0.0025	
6/5/2017	8E-05 (J)	
9/26/2017	<0.0025	
3/15/2018	<0.0025	
9/12/2018	<0.0025	
3/14/2019		<0.0025
9/11/2019		<0.0025
3/10/2020		<0.0025
9/15/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.0025	
5/18/2016	<0.0025	
7/27/2016	<0.0025	
9/20/2016	8E-05 (J)	
11/7/2016	<0.0025	
1/23/2017	<0.0025	
3/29/2017	<0.0025	
6/8/2017	<0.0025	
9/27/2017	<0.0025	
3/15/2018	9.3E-05 (J)	
9/13/2018	<0.0025	
3/15/2019		0.00015 (J)
9/12/2019		<0.0025
3/9/2020		0.00015 (J)
9/14/2020		0.00014 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.0195 (Jo)	
5/17/2016	0.000251 (J)	
7/27/2016	0.0002 (J)	
9/20/2016	0.0002 (J)	
11/4/2016	0.0001 (J)	
1/23/2017	<0.001	
3/28/2017	0.0001 (J)	
6/8/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.00018 (J)	
9/13/2018	0.00012 (J)	
3/15/2019		0.00018 (J)
9/11/2019		0.00021 (JD)
3/9/2020		0.00016 (J)
9/14/2020		0.00019 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.0025	
5/18/2016	<0.0025	
7/28/2016	<0.0025	
9/21/2016	9E-05 (J)	
11/7/2016	0.0001 (J)	
1/24/2017	0.0002 (J)	
3/30/2017	0.0002 (J)	
6/9/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.0001 (J)	
9/14/2018	<0.0025	
3/19/2019		<0.0025
9/11/2019		<0.0025
3/9/2020		<0.0025
9/14/2020		<0.0025

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.01	
5/11/2016	<0.01	
7/19/2016	<0.01	
9/15/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01 (*)	
6/7/2017	<0.01	
9/26/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/15/2019		<0.01
9/9/2019		<0.01
3/9/2020		0.069
9/10/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.01	
5/11/2016	<0.01	
7/21/2016	<0.01	
9/15/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/24/2017	<0.01 (*)	
5/24/2017	0.0008 (J)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/9/2019		<0.01
3/9/2020		0.0009 (J)
9/11/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.01	
5/12/2016	<0.01	
7/20/2016	<0.01	
9/15/2016	<0.01	
11/3/2016	<0.01	
1/18/2017	<0.01	
3/24/2017	<0.01 (*)	
6/6/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/10/2019		<0.01 (D)
3/6/2020		0.015
9/10/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.01	
5/16/2016	<0.01	
7/22/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/17/2017	<0.01	
3/27/2017	<0.01	
6/7/2017	<0.01	
9/26/2017	<0.01	
3/14/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		<0.01
9/10/2019		<0.01
3/6/2020		0.00045 (J)
9/10/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.01	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01 (*)	
6/6/2017	0.0004 (J)	
9/22/2017	0.0008 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		0.00051 (J)
3/9/2020		0.0033 (J)
9/11/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/19/2017	<0.01	
3/28/2017	<0.01	
6/5/2017	<0.01	
9/26/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/11/2019		<0.01
3/10/2020		0.00074 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/4/2016	<0.01	
1/23/2017	<0.01	
3/29/2017	<0.01	
6/7/2017	<0.01	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019		<0.01
9/11/2019		<0.01
3/10/2020		0.0007 (J)
9/11/2020		<0.01

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	0.0439 (o)	
5/18/2016	0.00248 (J)	
7/27/2016	0.0021 (J)	
9/20/2016	0.002 (J)	
11/7/2016	0.0023 (J)	
1/23/2017	0.0011 (J)	
3/29/2017	0.0012 (J)	
6/8/2017	0.0015 (J)	
9/27/2017	0.0021 (J)	
3/15/2018	0.0023 (J)	
9/13/2018	<0.01	
3/15/2019		<0.01
9/12/2019		0.0014 (J)
3/9/2020		0.0012 (J)
9/14/2020		0.0022 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.000148 (J)	
5/17/2016	<0.01	
7/27/2016	0.0017 (J)	
9/20/2016	0.0024 (J)	
11/4/2016	0.0013 (J)	
1/23/2017	<0.01	
3/28/2017	<0.01 (*)	
6/8/2017	0.0016 (J)	
9/29/2017	0.002 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019		0.0023 (J)
9/11/2019		0.00165 (JD)
3/9/2020		0.0023 (J)
9/14/2020		0.0024 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	0.017 (J)	
5/18/2016	<0.01	
7/28/2016	0.0014 (J)	
9/21/2016	0.0009 (J)	
11/7/2016	<0.01	
1/24/2017	<0.01	
3/30/2017	<0.01	
6/9/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		0.0017 (J)
9/11/2019		0.002 (J)
3/9/2020		0.00096 (J)
9/14/2020		<0.01

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	0.00503 (J)	
5/11/2016	0.0114	
7/19/2016	0.0013 (J)	
9/15/2016	0.002 (J)	
11/2/2016	0.0005 (J)	
1/18/2017	0.0015 (J)	
3/28/2017	0.0025 (J)	
6/7/2017	0.0023 (J)	
9/26/2017	0.0011 (J)	
3/14/2018	0.00058 (J)	
9/12/2018	<0.005	
3/15/2019		<0.005
9/9/2019		<0.005
3/9/2020		0.00075 (J)
9/10/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	0.0004 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
9/10/2019		<0.005
3/6/2020		0.00039 (J)
9/10/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019		<0.005
9/11/2019		<0.005
3/9/2020		0.00039 (J)
9/11/2020		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	0.00101 (J)	
5/16/2016	<0.01	
7/25/2016	0.0015 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/19/2017	0.0013 (J)	
3/28/2017	0.0019 (J)	
6/5/2017	0.0022 (J)	
9/26/2017	0.0018 (J)	
3/15/2018	0.0018 (J)	
9/12/2018	0.0016 (J)	
3/14/2019		0.0022 (J)
9/11/2019		0.0018 (J)
3/10/2020		0.0021 (J)
9/15/2020		0.0015 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	0.0017 (J)	
9/19/2016	0.0017 (J)	
11/4/2016	0.0013 (J)	
1/23/2017	0.0013 (J)	
3/29/2017	0.0013 (J)	
6/7/2017	0.0011 (J)	
9/27/2017	0.0013 (J)	
3/15/2018	0.0012 (J)	
9/13/2018	0.001 (J)	
3/14/2019		0.0015 (J)
9/11/2019		0.0014 (J)
3/10/2020		0.0012 (J)
9/11/2020		0.0012 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.00207 (J)	
5/17/2016	0.0025 (J)	
7/27/2016	0.0014 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0014 (J)	
1/23/2017	<0.01	
3/28/2017	0.0015 (J)	
6/8/2017	0.0016 (J)	
9/29/2017	0.0015 (J)	
3/15/2018	0.0013 (J)	
9/13/2018	0.0013 (J)	
3/15/2019		0.0012 (J)
9/11/2019		0.00135 (JD)
3/9/2020		0.0016 (J)
9/14/2020		0.0017 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.01	
5/18/2016	<0.01	
7/28/2016	0.0026 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0044 (J)	
1/24/2017	0.0049 (J)	
3/30/2017	0.0041 (J)	
6/9/2017	0.0054 (J)	
9/29/2017	0.0038 (J)	
3/15/2018	0.0026 (J)	
9/14/2018	0.0017 (J)	
3/19/2019		0.00069 (J)
9/11/2019		0.00075 (J)
3/9/2020		0.0028 (J)
9/14/2020		0.0014 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.025	
5/11/2016	<0.025	
7/19/2016	0.0005 (J)	
9/15/2016	<0.025	
11/2/2016	<0.025	
1/18/2017	<0.025	
3/28/2017	<0.025 (*)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.025	
9/12/2018	<0.025	
3/15/2019		<0.025
9/9/2019		<0.025
3/9/2020		0.0007 (J)
9/10/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.025	
5/11/2016	<0.025	
7/21/2016	<0.025	
9/15/2016	<0.025	
11/3/2016	<0.025	
1/17/2017	<0.025	
3/24/2017	<0.025	
9/26/2017	<0.025	
3/14/2018	<0.025	
9/12/2018	<0.025	
3/13/2019		<0.025
9/9/2019		0.0022 (J)
3/9/2020		<0.025
9/11/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:18 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.025	
5/12/2016	<0.025	
7/20/2016	<0.025	
9/15/2016	0.0007 (J)	
11/3/2016	<0.025	
1/18/2017	<0.025	
3/24/2017	<0.025	
9/25/2017	0.0003 (J)	
3/14/2018	<0.025	
9/12/2018	<0.025	
3/14/2019		<0.025
9/10/2019		0.00038 (JD)
3/6/2020		0.00093 (J)
9/10/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.025	
5/16/2016	<0.025	
7/22/2016	<0.025	
9/19/2016	0.003 (J)	
11/3/2016	<0.025	
1/17/2017	<0.025	
3/27/2017	<0.025	
9/26/2017	<0.025	
3/14/2018	<0.025	
9/14/2018	<0.025	
3/14/2019		<0.025
9/10/2019		<0.025
3/6/2020		0.00019 (J)
9/10/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.025	
5/13/2016	<0.025	
7/19/2016	<0.025	
9/16/2016	<0.025	
11/2/2016	<0.025	
1/18/2017	<0.025	
3/28/2017	<0.025 (*)	
9/22/2017	0.0004 (J)	
3/14/2018	<0.025	
9/12/2018	<0.025	
3/13/2019		<0.025
9/11/2019		0.00036 (J)
3/9/2020		0.00035 (J)
9/11/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.025	
5/16/2016	<0.025	
7/25/2016	0.0005 (J)	
9/19/2016	<0.025	
11/3/2016	<0.025	
1/19/2017	<0.025	
3/28/2017	<0.025 (*)	
9/26/2017	0.0006 (J)	
3/15/2018	<0.025	
9/12/2018	<0.025	
3/14/2019		<0.025
9/11/2019		0.00043 (J)
3/10/2020		0.00067 (J)
9/15/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.025	
5/16/2016	<0.025	
7/25/2016	<0.025	
9/19/2016	0.0032 (J)	
11/4/2016	0.0006 (J)	
1/23/2017	0.0008 (J)	
3/29/2017	0.0005 (J)	
9/27/2017	0.0014 (J)	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/14/2019		<0.025
9/11/2019		0.012 (J)
3/10/2020		0.00031 (J)
9/11/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.025	
5/18/2016	<0.025	
7/27/2016	<0.025	
9/20/2016	0.0011 (J)	
11/7/2016	<0.025	
1/23/2017	<0.025	
3/29/2017	0.0003 (J)	
9/27/2017	<0.025	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/15/2019		<0.025
9/12/2019		<0.025
3/9/2020		<0.025
9/14/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.025	
5/17/2016	<0.025	
7/27/2016	<0.025	
9/20/2016	0.0018 (J)	
11/4/2016	<0.025	
1/23/2017	<0.025	
3/28/2017	<0.025 (*)	
9/29/2017	0.0003 (J)	
3/15/2018	<0.025	
9/13/2018	<0.025	
3/15/2019		<0.025
9/11/2019		0.000535 (JD)
3/9/2020		0.00035 (J)
9/14/2020		<0.025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.025	
5/18/2016	<0.025	
7/28/2016	0.0007 (J)	
9/21/2016	0.0018 (J)	
11/7/2016	<0.025	
1/24/2017	<0.025	
3/30/2017	0.0003 (J)	
9/29/2017	<0.025	
3/15/2018	<0.025	
9/14/2018	<0.025	
3/19/2019		<0.025
9/11/2019		0.00021 (J)
3/9/2020		0.00035 (J)
9/14/2020		<0.025

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
6/7/2017	8E-05 (J)	
9/26/2017	0.0002 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019		<0.005
9/9/2019		<0.005
3/9/2020		5.5E-05 (J)
9/10/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005 (*)	
5/24/2017	0.0001 (J)	
9/26/2017	0.0001 (J)	
3/14/2018	0.00046 (J)	
9/12/2018	<0.005	
3/13/2019		<0.005
9/9/2019		<0.005
3/9/2020		9.5E-05 (J)
9/11/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/18/2017	<0.005	
3/24/2017	<0.005	
6/6/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019		<0.005
9/10/2019		<0.005 (D)
3/6/2020		9.1E-05 (J)
9/10/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	0.0001 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019		<0.005
9/10/2019		<0.005
3/6/2020		0.00011 (J)
9/10/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	7E-05 (J)	
9/22/2017	8E-05 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019		<0.005
9/11/2019		0.0001 (J)
3/9/2020		9.1E-05 (J)
9/11/2020		4.6E-05 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0003 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	0.0002 (J)	
1/19/2017	0.0003 (J)	
3/28/2017	<0.005 (*)	
6/5/2017	0.0007 (J)	
9/26/2017	0.0004 (J)	
3/15/2018	0.00064 (J)	
9/12/2018	0.00037 (J)	
3/14/2019		0.00077 (J)
9/11/2019		0.00047 (J)
3/10/2020		0.00066 (J)
9/15/2020		0.00045 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0002 (J)	
9/19/2016	0.0004 (J)	
11/4/2016	0.0002 (J)	
1/23/2017	0.0001 (J)	
3/29/2017	0.0001 (J)	
6/7/2017	0.0001 (J)	
9/27/2017	0.0003 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019		<0.005
9/11/2019		0.00016 (J)
3/10/2020		0.00014 (J)
9/11/2020		0.00012 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	9E-05 (J)	
9/20/2016	0.0003 (J)	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.0001 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019		<0.005
9/12/2019		<0.005
3/9/2020		5.8E-05 (J)
9/14/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.005	
5/17/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.0002 (J)	
11/4/2016	<0.005	
1/23/2017	<0.005	
3/28/2017	<0.005 (*)	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019		<0.005
9/11/2019		0.002529 (D)
3/9/2020		<0.005
9/14/2020		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.005	
5/18/2016	<0.005	
7/28/2016	0.0002 (J)	
9/21/2016	<0.005 (*)	
11/7/2016	<0.005	
1/24/2017	0.0002 (J)	
3/30/2017	<0.005	
6/9/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019		<0.005
9/11/2019		8.2E-05 (J)
3/9/2020		0.00017 (J)
9/14/2020		7.8E-05 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.0005	
5/11/2016	<0.0005	
7/21/2016	<0.0005	
9/15/2016	<0.0005	
11/3/2016	<0.0005	
1/17/2017	<0.0005	
3/24/2017	<0.0005	
5/24/2017	<0.0005	
9/26/2017	<0.0005	
3/14/2018	<0.0005	
9/12/2018	3.8E-05 (J)	
3/13/2019		<0.0005
9/9/2019		<0.0005
3/9/2020		<0.0005
9/11/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.0005	
5/16/2016	<0.0005	
7/22/2016	<0.0005	
9/19/2016	<0.0005	
11/3/2016	<0.0005	
1/17/2017	<0.0005	
3/27/2017	<0.0005	
6/7/2017	<0.0005	
9/26/2017	<0.0005	
3/14/2018	<0.0005	
9/14/2018	3.8E-05 (J)	
3/14/2019		<0.0005
9/10/2019		<0.0005
3/6/2020		<0.0005
9/10/2020		<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.0005	
5/17/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	<0.0005	
11/4/2016	<0.0005	
1/23/2017	<0.0005	
3/28/2017	<0.0005	
6/8/2017	<0.0005	
9/29/2017	<0.0005	
3/15/2018	<0.0005	
9/13/2018	6.2E-05 (J)	
3/15/2019		<0.0005
9/11/2019		<0.0005 (D)
3/9/2020		<0.0005
9/14/2020		0.00015 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.0005	
5/18/2016	<0.0005	
7/28/2016	<0.0005	
9/21/2016	<0.0005	
11/7/2016	<0.0005	
1/24/2017	5E-05 (J)	
3/30/2017	<0.0005 (*)	
6/9/2017	<0.0005	
9/29/2017	<0.0005	
3/15/2018	<0.0005	
9/14/2018	<0.0005	
3/19/2019		4.5E-05 (J)
9/11/2019		<0.0005
3/9/2020		<0.0005
9/14/2020		<0.0005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	0.00544 (J)	
5/11/2016	0.0149	
7/19/2016	0.0044 (J)	
9/15/2016	0.0047 (J)	
11/2/2016	0.0025 (J)	
1/18/2017	0.004 (J)	
3/28/2017	0.0034 (J)	
9/26/2017	0.0016 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/15/2019		<0.01
9/9/2019		0.0014 (J)
3/9/2020		0.04
9/10/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.01	
5/12/2016	<0.01	
7/20/2016	0.0006 (J)	
9/15/2016	0.0009 (J)	
11/3/2016	0.0011 (J)	
1/18/2017	0.0007 (J)	
3/24/2017	<0.01 (*)	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/10/2019		0.0004 (JD)
3/6/2020		0.0089 (J)
9/10/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.01	
5/16/2016	0.00233 (J)	
7/22/2016	0.0014 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/17/2017	0.0011 (J)	
3/27/2017	<0.01 (*)	
9/26/2017	0.0011 (J)	
3/14/2018	0.0012 (J)	
9/14/2018	0.0012 (J)	
3/14/2019		0.0015 (J)
9/10/2019		0.0012 (J)
3/6/2020		0.0015 (J)
9/10/2020		0.0011 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.00288 (J)	
5/13/2016	<0.01	
7/19/2016	0.0006 (J)	
9/16/2016	0.0008 (J)	
11/2/2016	0.0007 (J)	
1/18/2017	0.0006 (J)	
3/28/2017	<0.01 (*)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		0.00082 (J)
3/9/2020		0.00082 (J)
9/11/2020		0.00089 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	0.0006 (J)	
9/19/2016	0.0008 (J)	
11/3/2016	0.0007 (J)	
1/19/2017	0.0009 (J)	
3/28/2017	<0.01 (*)	
9/26/2017	0.0007 (J)	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		<0.01
9/11/2019		0.00058 (J)
3/10/2020		0.00086 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	0.00316 (J)	
7/25/2016	0.0013 (J)	
9/19/2016	0.0013 (J)	
11/4/2016	0.0015 (J)	
1/23/2017	0.0015 (J)	
3/29/2017	0.0012 (J)	
9/27/2017	0.0014 (J)	
3/15/2018	0.0011 (J)	
9/13/2018	0.001 (J)	
3/14/2019		0.001 (J)
9/11/2019		0.0012 (J)
3/10/2020		0.0012 (J)
9/11/2020		0.00099 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/20/2016	<0.01	
11/7/2016	<0.01	
1/23/2017	<0.01	
3/29/2017	0.0004 (J)	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019		<0.01
9/12/2019		<0.01
3/9/2020		<0.01
9/14/2020		<0.01

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.00235 (J)	
5/17/2016	0.00489 (J)	
7/27/2016	0.0036 (J)	
9/20/2016	0.0035 (J)	
11/4/2016	0.0035 (J)	
1/23/2017	<0.01	
3/28/2017	0.0033 (J)	
9/29/2017	0.0036 (J)	
3/15/2018	0.0033 (J)	
9/13/2018	0.0038 (J)	
3/15/2019		0.0033 (J)
9/11/2019		0.00405 (JD)
3/9/2020		0.0039 (J)
9/14/2020		0.0046 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	0.00778 (J)	
5/18/2016	<0.01	
7/28/2016	0.0024 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0035 (J)	
1/24/2017	0.005 (J)	
3/30/2017	0.0046 (J)	
9/29/2017	0.004 (J)	
3/15/2018	0.0028 (J)	
9/14/2018	0.0024 (J)	
3/19/2019		0.0047 (J)
9/11/2019		0.0012 (J)
3/9/2020		0.003 (J)
9/14/2020		0.0014 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.00236 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
6/6/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		<0.01
3/9/2020		<0.01
9/11/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	0.002 (J)	
5/16/2016	0.0021 (J)	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/19/2017	<0.01	
3/28/2017	0.0033 (J)	
6/5/2017	0.0068 (J)	
9/26/2017	0.0037 (J)	
3/15/2018	0.0031 (J)	
9/12/2018	<0.01	
3/14/2019		0.0042 (J)
9/11/2019		0.0021 (J)
3/10/2020		0.0063 (J)
9/15/2020		<0.01

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.01	
5/17/2016	<0.01	
7/27/2016	0.0009 (J)	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/23/2017	<0.01	
3/28/2017	<0.01	
6/8/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019		<0.01
9/11/2019		<0.01 (D)
3/9/2020		<0.01
9/14/2020		<0.01

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.001	
5/11/2016	<0.001	
7/19/2016	<0.001 (*)	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	5E-05 (J)	
6/7/2017	<0.001	
9/26/2017	7E-05 (J)	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/15/2019		<0.001
9/9/2019		<0.001
3/9/2020		<0.001
9/10/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.001	
5/11/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/24/2017	<0.001	
5/24/2017	<0.001	
9/26/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/13/2019		<0.001
9/9/2019		<0.001
3/9/2020		7.8E-05 (J)
9/11/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	<0.001	
5/16/2016	<0.001	
7/22/2016	0.0002 (J)	
9/19/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/7/2017	<0.001	
9/26/2017	<0.001	
3/14/2018	<0.001	
9/14/2018	<0.001	
3/14/2019		<0.001
9/10/2019		<0.001
3/6/2020		8.6E-05 (J)
9/10/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	<0.001	
5/13/2016	<0.001	
7/19/2016	<0.001 (*)	
9/16/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	5E-05 (J)	
6/6/2017	<0.001	
9/22/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/13/2019		<0.001
9/11/2019		6.2E-05 (J)
3/9/2020		<0.001
9/11/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<0.001	
5/16/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/3/2016	<0.001	
1/19/2017	<0.001	
3/28/2017	5E-05 (J)	
6/5/2017	5E-05 (J)	
9/26/2017	<0.001	
3/15/2018	<0.001	
9/12/2018	<0.001	
3/14/2019		<0.001
9/11/2019		<0.001
3/10/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	<0.001	
11/7/2016	<0.001	
1/23/2017	<0.001	
3/29/2017	7E-05 (J)	
6/8/2017	<0.001	
9/27/2017	6E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019		<0.001
9/12/2019		<0.001
3/9/2020		<0.001
9/14/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	<0.001	
5/17/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	<0.001	
11/4/2016	<0.001	
1/23/2017	<0.001	
3/28/2017	6E-05 (J)	
6/8/2017	8E-05 (J)	
9/29/2017	9E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019		<0.001
9/11/2019		0.000115 (JD)
3/9/2020		9E-05 (J)
9/14/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.001	
5/18/2016	<0.001	
7/28/2016	<0.001	
9/21/2016	<0.001	
11/7/2016	<0.001	
1/24/2017	<0.001	
3/30/2017	5E-05 (J)	
6/9/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/14/2018	<0.001	
3/19/2019		<0.001
9/11/2019		<0.001
3/9/2020		<0.001
9/14/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.00204 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019		<0.01
9/11/2019		<0.01
3/9/2020		<0.01
9/11/2020		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	0.0022 (J)	
9/19/2016	<0.01	
11/4/2016	<0.01	
1/23/2017	<0.01	
3/29/2017	<0.01	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019		<0.01
9/11/2019		<0.01
3/10/2020		<0.01
9/11/2020		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	<0.02	
5/11/2016	0.00467 (J)	
7/19/2016	<0.02 (*)	
9/15/2016	0.0044 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.02 (*)	
3/28/2017	<0.02 (*)	
9/26/2017	0.0029 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/15/2019		0.0023 (J)
9/9/2019		0.0047 (J)
3/9/2020		0.0035 (J)
9/10/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	<0.02	
5/11/2016	<0.02	
7/21/2016	<0.02 (*)	
9/15/2016	<0.02	
11/3/2016	<0.02	
1/17/2017	<0.02	
3/24/2017	<0.02 (*)	
9/26/2017	0.0019 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/13/2019		<0.02
9/9/2019		0.0058 (J)
3/9/2020		0.002 (J)
9/11/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	<0.02	
5/12/2016	<0.02	
7/20/2016	<0.02	
9/15/2016	0.0027 (J)	
11/3/2016	<0.02	
1/18/2017	<0.02 (*)	
3/24/2017	<0.02 (*)	
9/25/2017	<0.02	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/14/2019		<0.02
9/10/2019		0.00745 (JD)
3/6/2020		0.0027 (J)
9/10/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	0.00862 (J)	
5/16/2016	0.00744 (J)	
7/22/2016	<0.01 (*)	
9/19/2016	0.0162	
11/3/2016	0.011	
1/17/2017	0.0104	
3/27/2017	<0.01 (*)	
9/26/2017	0.0094 (J)	
3/14/2018	<0.01	
9/14/2018	<0.01	
3/14/2019		0.01
9/10/2019		0.014
3/6/2020		0.012
9/10/2020		0.0073 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	0.0093 (J)	
5/13/2016	0.00336 (J)	
7/19/2016	<0.02 (*)	
9/16/2016	0.0023 (J)	
11/2/2016	0.0047 (J)	
1/18/2017	<0.02	
3/28/2017	<0.02 (*)	
9/22/2017	0.0013 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/13/2019		0.0022 (J)
9/11/2019		0.0065 (J)
3/9/2020		0.002 (J)
9/11/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	0.00622 (J)	
5/16/2016	0.00345 (J)	
7/25/2016	<0.01 (*)	
9/19/2016	0.004 (J)	
11/3/2016	0.0047 (J)	
1/19/2017	0.0035 (J)	
3/28/2017	<0.01 (*)	
9/26/2017	0.0039 (J)	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/14/2019		0.0039 (J)
9/11/2019		0.0068 (J)
3/10/2020		0.0049 (J)
9/15/2020		0.0062 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.00599 (J)	
5/16/2016	<0.02	
7/25/2016	<0.02 (*)	
9/19/2016	0.0061 (J)	
11/4/2016	0.0032 (J)	
1/23/2017	0.0031 (J)	
3/29/2017	<0.02 (*)	
9/27/2017	0.0048 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/14/2019		<0.02
9/11/2019		0.0065 (J)
3/10/2020		0.0031 (J)
9/11/2020		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	0.027	
5/18/2016	0.0277	
7/27/2016	0.0221	
9/20/2016	0.03	
11/7/2016	0.0202	
1/23/2017	0.0156	
3/29/2017	<0.036 (*)	
9/27/2017	0.0196	
12/28/2017	0.0315 (Y)	
3/15/2018	<0.036	
9/13/2018	0.031	
3/15/2019		0.051
9/12/2019		0.035
3/9/2020		0.044
9/14/2020		0.032

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	0.00432 (J)	
5/17/2016	0.00672 (J)	
7/27/2016	<0.01 (*)	
9/20/2016	0.0081 (J)	
11/4/2016	0.0071 (J)	
1/23/2017	<0.01	
3/28/2017	<0.01 (*)	
9/29/2017	0.0055 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019		0.0058 (J)
9/11/2019		0.011 (D)
3/9/2020		0.0079 (J)
9/14/2020		0.0076 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 3:19 PM View: Overburden Wells
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	<0.01	
5/18/2016	0.00208 (J)	
7/28/2016	<0.01 (*)	
9/21/2016	0.0079 (J)	
11/7/2016	<0.01 (*)	
1/24/2017	0.0053 (J)	
3/30/2017	<0.01 (*)	
9/29/2017	0.004 (J)	
3/15/2018	<0.01	
9/14/2018	<0.01	
3/19/2019		0.0034 (J)
9/11/2019		0.0085 (J)
3/9/2020		0.0047 (J)
9/14/2020		0.0042 (J)

FIGURE F.

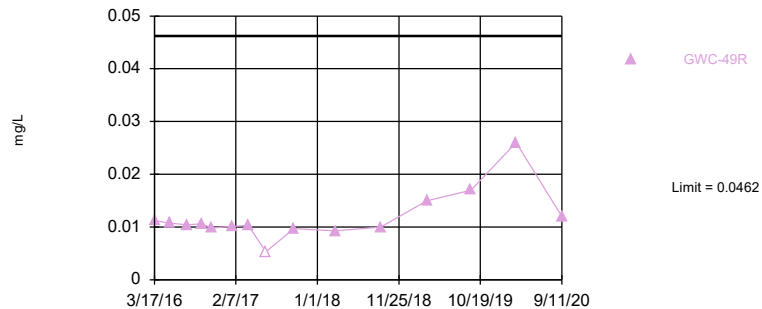
State Bedrock Interwell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 2:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-49R	0.0462	n/a	9/11/2020	0.012	No	44	n/a	n/a	0	n/a	n/a	0.00006544	NP Inter (normality) 1 of 3
Zinc (mg/L)	GWC-47R	0.02	n/a	9/15/2020	0.028	Yes	38	n/a	n/a	52.63	n/a	n/a	0.00009554	NP Inter (NDs) 1 of 3

Within Limit

Prediction Limit Interwell Non-parametric

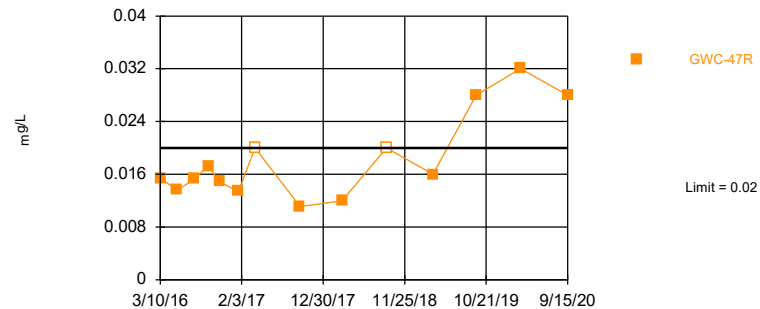


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. Annual per-constituent alpha = 0.0005234. Individual comparison alpha = 0.00006544 (1 of 3). Assumes 3 future values.

Constituent: Barium Analysis Run 10/30/2020 2:43 PM View: Trend Tests - Bedrock State PL Exceedance
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit: GWC-47R

Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 52.63% NDs. Annual per-constituent alpha = 0.0007641. Individual comparison alpha = 0.00009554 (1 of 3). Assumes 3 future values.

Constituent: Zinc Analysis Run 10/30/2020 2:43 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/30/2020 2:44 PM View: Trend Tests - Bedrock State PL Exceedances
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R (bg)	GWA-41R (bg)	GWC-49R	GWA-39RZ (bg)
3/11/2016	0.00819 (J)			
3/15/2016		0.0462		
3/17/2016			0.0112	
5/13/2016	0.00756 (J)	0.0265		
5/16/2016				0.0113 (D)
5/18/2016			0.0107	
7/19/2016	0.0079 (J)			
7/21/2016		0.0243		
7/27/2016			0.0104	0.0114 (D)
9/16/2016	0.0078 (J)			
9/21/2016		0.0145	0.0106	
11/2/2016	0.0082 (J)			
11/3/2016		0.0082 (J)		
11/4/2016			0.0098 (J)	
1/17/2017		0.007 (J)		
1/18/2017	0.0085 (J)			
1/24/2017			0.0101	
2/21/2017				0.0178
3/27/2017		0.016		0.0162 (D)
3/28/2017	0.0084 (J)			
3/29/2017			0.0103	
6/6/2017	0.0078 (J)	0.0301		
6/8/2017			<0.0106 (*)	0.0156 (D)
7/17/2017				0.016 (D)
7/27/2017				0.0184
8/9/2017				0.0162
9/22/2017	0.0076 (J)			
9/25/2017		0.0169		
9/29/2017			0.0097 (J)	0.0159 (D)
3/14/2018		0.036		
3/15/2018	0.0092 (J)		0.0093 (J)	
3/16/2018				0.016
9/12/2018	0.008 (J)	0.021		
9/13/2018			0.01	
9/14/2018				0.015
3/13/2019	0.0077 (J)			
3/14/2019		0.04		0.018
3/18/2019			0.015	
9/10/2019		0.031		
9/11/2019	0.0079 (J)		0.017	
3/9/2020	0.0069 (J)	0.031		0.017
3/11/2020			0.026	
9/10/2020		0.031		
9/11/2020			0.012	
9/14/2020	0.0075 (J)			
9/16/2020				0.027

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 2:44 PM View: Trend Tests - Bedrock State PL Exceedances
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWA-43R (bg)	GWA-41R (bg)	GWA-39RZ (bg)
3/10/2016	0.0154			
3/11/2016		0.00722 (J)		
3/15/2016			0.00286 (J)	
5/13/2016		0.00666 (J)	<0.02	
5/16/2016				<0.02 (D)
5/18/2016	0.0136			
7/19/2016		<0.02 (*)		
7/21/2016			<0.02 (*)	
7/27/2016	0.0153			<0.02 (*)
9/16/2016		<0.02		
9/20/2016	0.0173			
9/21/2016			<0.02	
11/2/2016		0.0057 (J)		
11/3/2016			<0.02	
11/4/2016	0.0149			
1/17/2017			<0.02	
1/18/2017		0.0022 (J)		
1/20/2017	0.0134			
2/21/2017				0.0049 (J)
3/27/2017			<0.02 (*)	<0.02 (*)
3/28/2017		<0.02		
3/29/2017	<0.02 (*)			
9/22/2017		0.0014 (J)		
9/25/2017			0.0023 (J)	
9/27/2017	0.0111			
9/29/2017				0.0012 (JD)
3/14/2018			<0.02	
3/15/2018		<0.02		
3/16/2018	0.012			0.0042 (J)
9/12/2018		<0.02	<0.02	
9/13/2018	<0.02			
9/14/2018				<0.02
3/13/2019		0.0023 (J)		
3/14/2019			0.0021 (J)	0.0035 (J)
3/19/2019	0.016			
9/10/2019			0.0075 (J)	
9/11/2019	0.028	0.0053 (J)		
3/9/2020	0.032	0.0022 (J)	0.0024 (J)	0.009 (J)
9/10/2020			<0.02	
9/14/2020		<0.02		
9/15/2020	0.028			
9/16/2020				<0.02

FIGURE G.

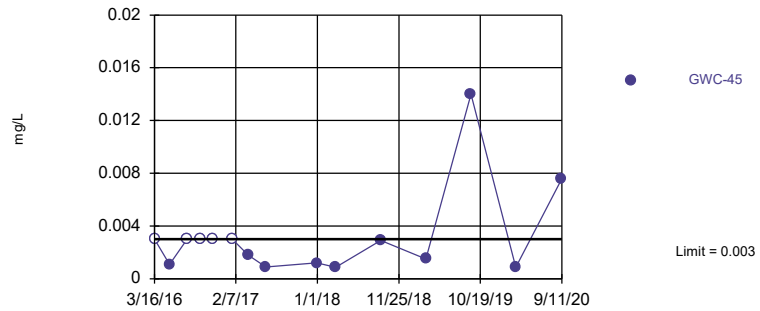
State Overburden Interwell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-45	0.003	n/a	9/11/2020	0.0076	Yes	75	n/a	n/a	81.33	n/a	n/a	0.00001347	NP Inter (NDs) 1 of 3

Exceeds Limit: GWC-45

Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 75 background values. 81.33% NDs. Annual per-constituent alpha = 0.0001347. Individual comparison alpha = 0.00001347 (1 of 3). Assumes 4 future values.

Constituent: Antimony Analysis Run 10/30/2020 3:29 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 3:30 PM View: Trend Tests - Overburden State

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45
3/11/2016	<0.003	<0.003				
3/14/2016			0.003			
3/15/2016				<0.003	<0.003	
3/16/2016						<0.003
5/11/2016			0.000839 (J)		<0.003	
5/12/2016				<0.003		
5/13/2016		<0.003				
5/16/2016	<0.003					0.00109 (J)
7/19/2016		<0.003 (*)	0.0024 (J)			
7/20/2016				<0.003		
7/21/2016					<0.003	
7/22/2016	0.002 (J)					
7/25/2016						<0.003 (*)
9/15/2016			0.0009 (J)	<0.003	<0.003	
9/16/2016		<0.003				
9/19/2016	<0.003					<0.003
11/2/2016		<0.003	0.001 (J)			
11/3/2016	<0.003			<0.003	0.0021 (J)	
11/4/2016						<0.003
1/17/2017	<0.003				<0.003	
1/18/2017		<0.003	0.0017 (J)	<0.003		
1/23/2017						<0.003
3/24/2017				<0.003	<0.003	
3/27/2017	<0.003					
3/28/2017		<0.003	0.0006 (J)			
3/29/2017						0.0018 (J)
5/24/2017					<0.003	
6/6/2017		<0.003		<0.003		
6/7/2017	<0.003		0.0003 (J)			0.0009 (J)
9/22/2017		<0.003				
9/25/2017				<0.003		
9/26/2017	<0.003		<0.003		<0.003	
9/27/2017						0.0111 (o)
12/29/2017						0.0012 (Y)
3/14/2018	<0.003	<0.003	<0.003	<0.003	<0.003	
3/15/2018						0.00086 (J)
9/12/2018		<0.003	<0.003	<0.003	<0.003	
9/13/2018						0.0029 (J)
9/14/2018	<0.003					
3/13/2019		<0.003			<0.003	
3/14/2019	<0.003			<0.003		0.0015 (J)
3/15/2019			<0.003			
9/9/2019			0.00079 (J)		<0.003	
9/10/2019	<0.003			<0.003 (D)		
9/11/2019		<0.003				0.014
3/6/2020	<0.003			<0.003		
3/9/2020		0.00062 (J)	0.0011 (J)		<0.003	
3/10/2020						0.00087 (J)
9/10/2020	<0.003		0.0003 (J)	<0.003		
9/11/2020		<0.003			<0.003	0.0076

FIGURE H.

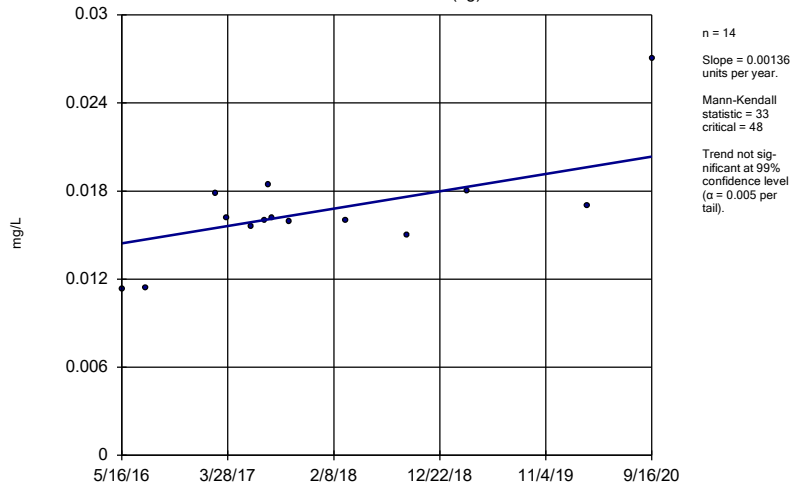
State Trend Test Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 2:42 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-39RZ (bg)	0.00136	33	48	No	14	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41R (bg)	0.002374	24	53	No	15	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0001003	-23	-53	No	15	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-49R	0.0003522	9	53	No	15	6.667	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-39RZ (bg)	0	-5	-30	No	10	50	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-41R (bg)	0	-15	-48	No	14	64.29	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-43R (bg)	0	-11	-48	No	14	42.86	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-47R	0.001932	13	48	No	14	14.29	n/a	n/a	0.01	NP

Sen's Slope Estimator

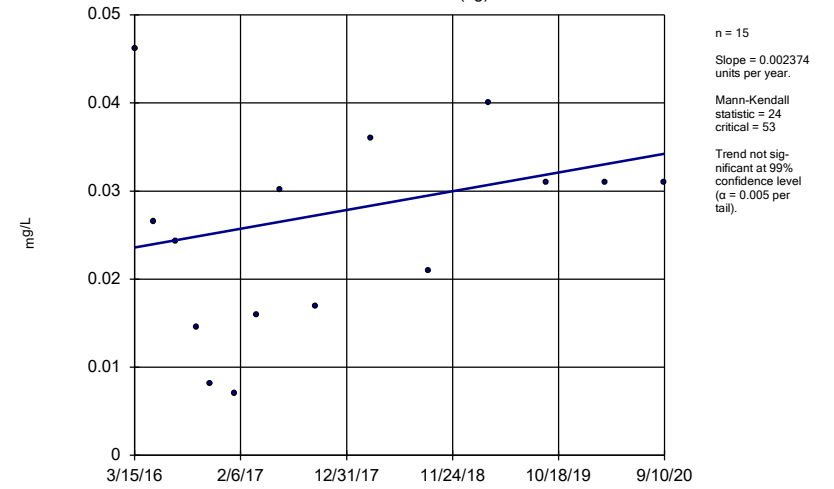
GWA-39RZ (bg)



Constituent: Barium Analysis Run 10/30/2020 2:41 PM View: Trend Tests - Bedrock State PL Exceedance Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

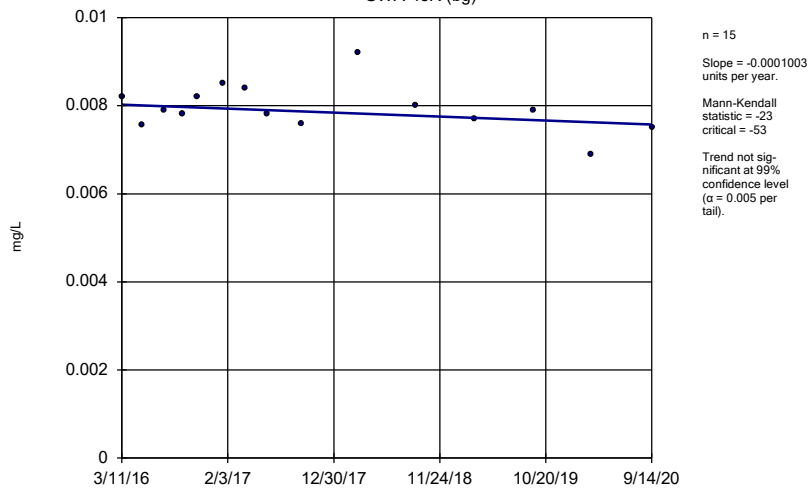
GWA-41R (bg)



Constituent: Barium Analysis Run 10/30/2020 2:41 PM View: Trend Tests - Bedrock State PL Exceedance Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43R (bg)

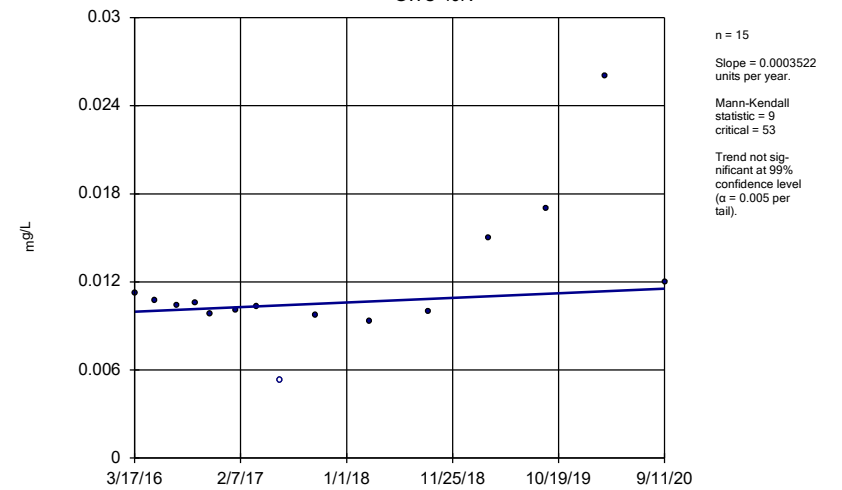


Constituent: Barium Analysis Run 10/30/2020 2:41 PM View: Trend Tests - Bedrock State PL Exceedance Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

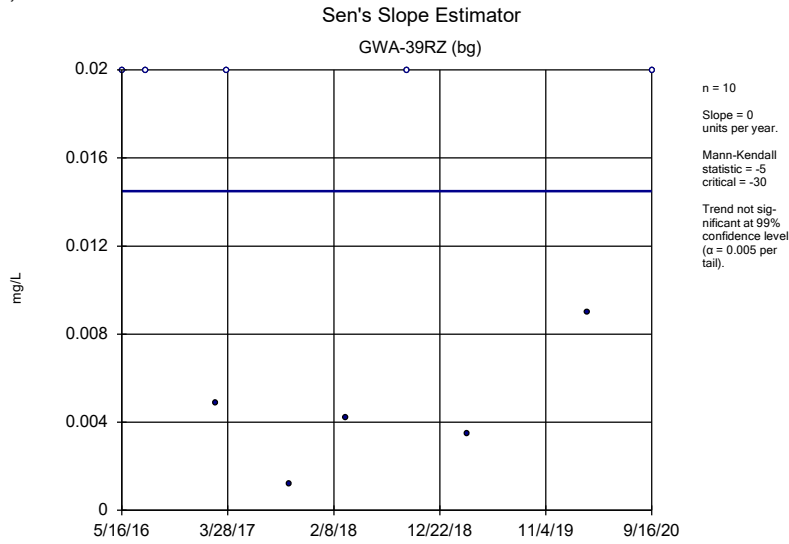
Hollow symbols indicate censored values.

Sen's Slope Estimator

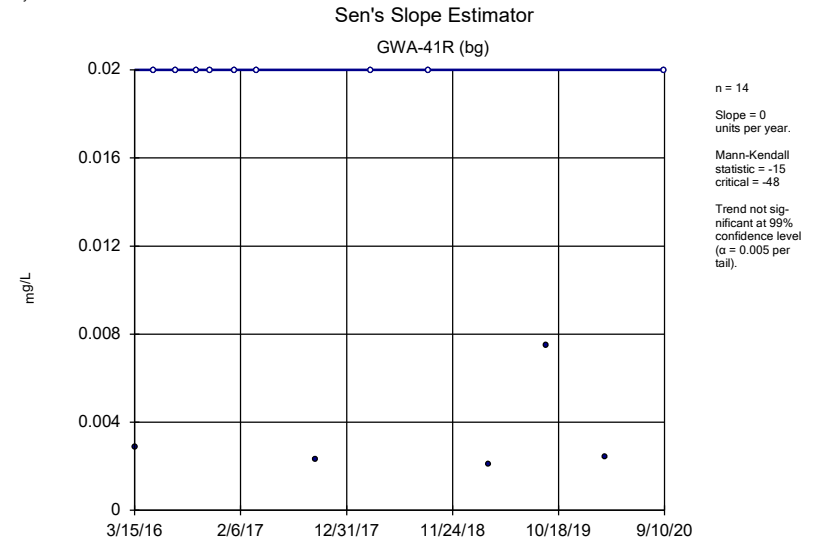
GWC-49R



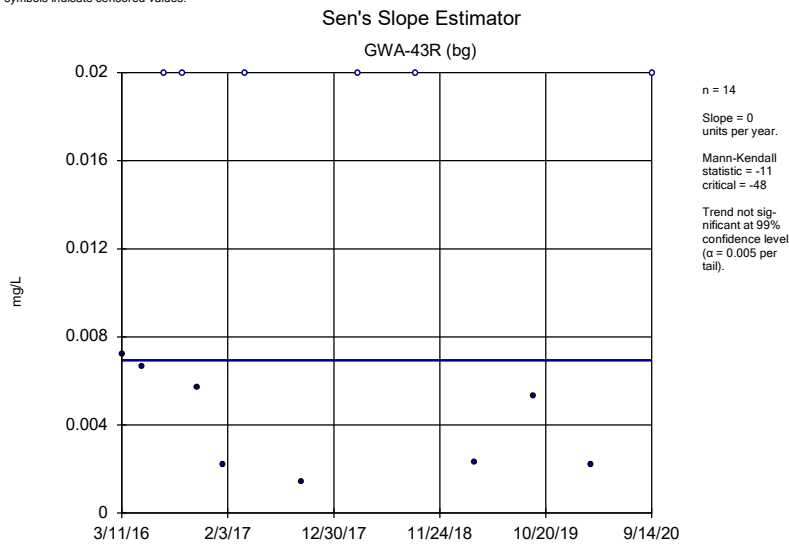
Constituent: Barium Analysis Run 10/30/2020 2:41 PM View: Trend Tests - Bedrock State PL Exceedance Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



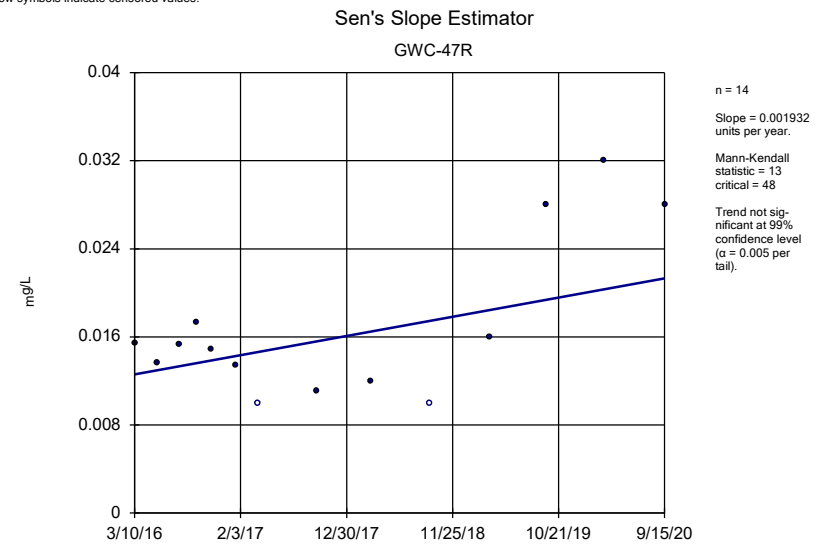
Constituent: Zinc Analysis Run 10/30/2020 2:41 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



Constituent: Zinc Analysis Run 10/30/2020 2:41 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



Constituent: Zinc Analysis Run 10/30/2020 2:41 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



Constituent: Zinc Analysis Run 10/30/2020 2:41 PM View: Trend Tests - Bedrock State PL Exceedances
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

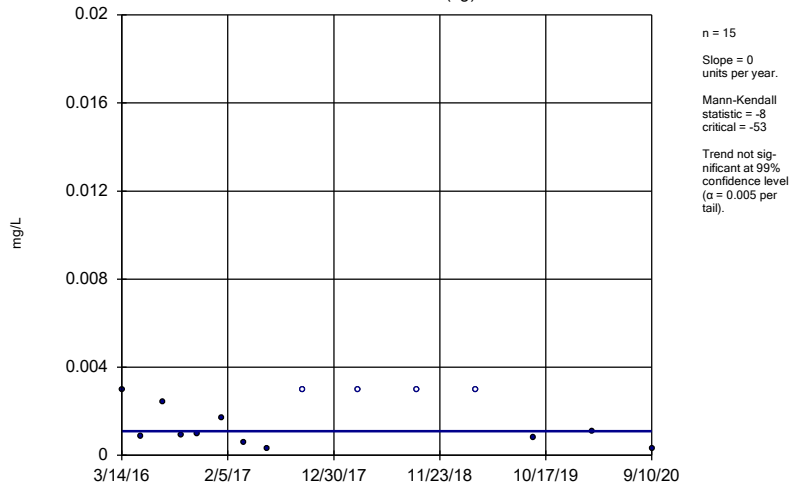
FIGURE I.

State Overburden Trend Test Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:29 PM

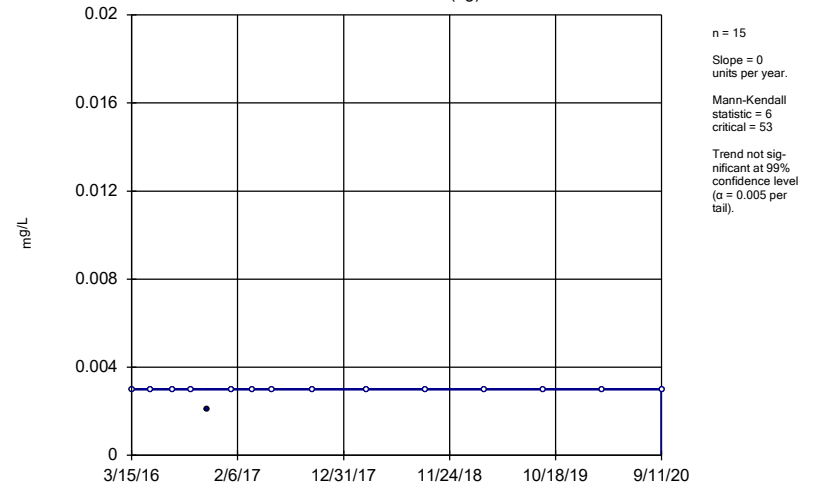
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-39Z (bg)	0	-8	-53	No	15	26.67	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-40 (bg)	0	6	53	No	15	93.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-42 (bg)	0	10	53	No	15	93.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43 (bg)	0	-12	-53	No	15	93.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-45	-0.00001087	-11	-53	No	15	33.33	n/a	n/a	0.01	NP

Sen's Slope Estimator GWA-39Z (bg)



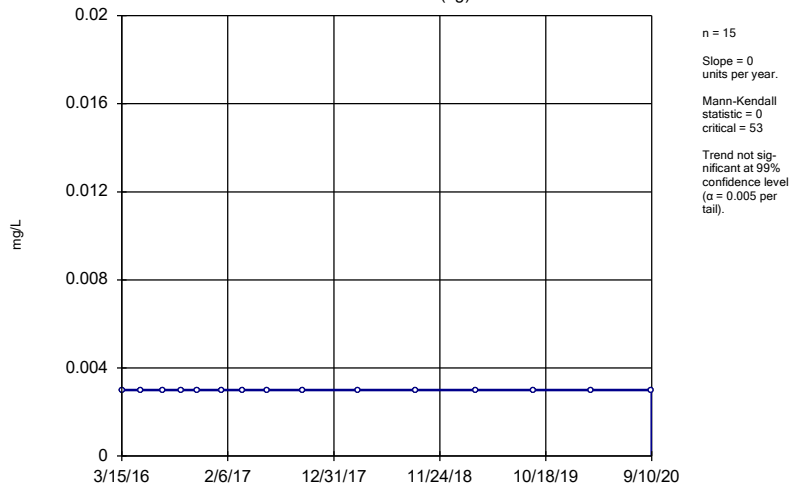
Constituent: Antimony Analysis Run 10/30/2020 3:26 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator GWA-40 (bg)



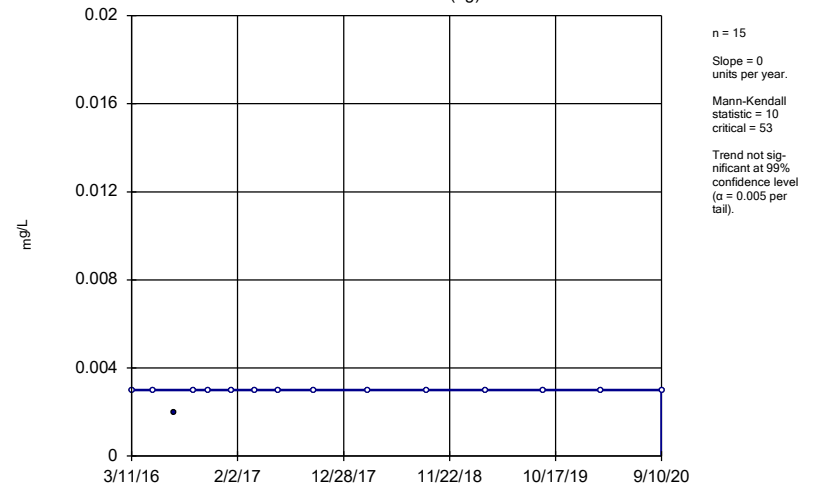
Constituent: Antimony Analysis Run 10/30/2020 3:26 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator GWA-41 (bg)



Constituent: Antimony Analysis Run 10/30/2020 3:26 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

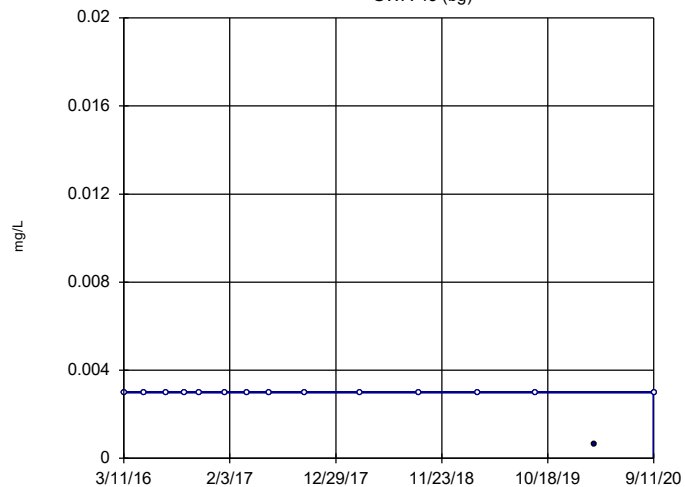
Sen's Slope Estimator GWA-42 (bg)



Constituent: Antimony Analysis Run 10/30/2020 3:26 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43 (bg)

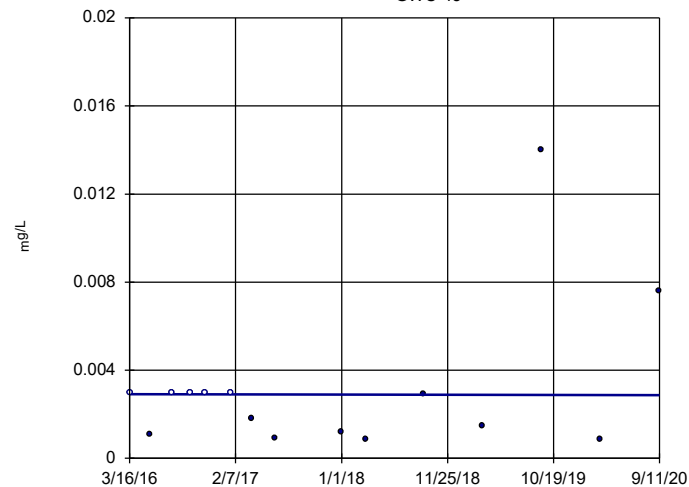


n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = -12
critical = -53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 10/30/2020 3:26 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWC-45



n = 15
Slope = -0.00001087
units per year.
Mann-Kendall
statistic = -11
critical = -53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 10/30/2020 3:26 PM View: Trend Tests - Overburden State
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

FIGURE J.

Federal Intrawell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-48	3.612	n/a	9/14/2020	4	Yes	13	2.572	0.4151	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-48	3.856	n/a	9/14/2020	5.4	Yes	14	1.869	0.8101	7.143	None	No	0.0008358	Param Intra 1 of 2

Federal Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWA-39RZ	41.66	n/a	9/16/2020	34.9	No	13	31.85	3.916	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-39Z	35.15	n/a	9/10/2020	1	No	14	14.39	8.463	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-40	28.9	n/a	9/11/2020	17.7	No	13	21.22	3.07	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-41	40.96	n/a	9/10/2020	13.5	No	13	18.11	9.126	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-41R	45.25	n/a	9/10/2020	22.9	No	13	33.5	4.693	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-42	35.5	n/a	9/10/2020	31.1	No	13	30.44	2.022	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-43	19.73	n/a	9/11/2020	9	No	13	7.587	4.85	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWA-43R	32.72	n/a	9/14/2020	31	No	14	28.45	1.742	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-44	16.95	n/a	9/15/2020	8.3	No	13	5.414	4.606	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45	0.9609	n/a	9/11/2020	0.81J	No	13	0.9012	0.03156	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-45R	41.57	n/a	9/11/2020	35.3	No	13	33.75	3.119	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-46R	54.42	n/a	9/14/2020	40.2	No	13	44.5	3.96	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-47	30.67	n/a	9/14/2020	20.9	No	13	23.9	2.702	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-47R	38.32	n/a	9/15/2020	31.6	No	13	30.12	3.276	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-48	11.28	n/a	9/14/2020	3.5	No	13	1.729	0.6507	7.692	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-49R	31.53	n/a	9/11/2020	24.7	No	13	25.18	2.536	0	None	No	0.0008358	Param Intra 1 of 2
Calcium (mg/L)	GWC-49Z	6.919	n/a	9/14/2020	0.65J	No	13	1.179	0.2903	0	None	x^(1/3)	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-39RZ	3.98	n/a	9/16/2020	1.7	No	13	2.48	0.5988	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-39Z	2.355	n/a	9/10/2020	1.2	No	13	1.633	0.2883	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-40	3.889	n/a	9/11/2020	0.77J	No	14	1.224	0.305	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-41	4.209	n/a	9/10/2020	1.2	No	13	2.027	0.8715	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-41R	6.223	n/a	9/10/2020	1.4	No	13	3.133	1.234	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-42	3.894	n/a	9/10/2020	2	No	13	2.763	0.4518	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-43	1.591	n/a	9/11/2020	1.3	No	13	1.329	0.1047	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWA-43R	5.573	n/a	9/14/2020	3.3	No	13	3.368	0.8802	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-44	9.945	n/a	9/15/2020	4.2	No	14	4.578	2.188	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45	1.232	n/a	9/11/2020	0.79J	No	13	0.9601	0.1087	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-45R	4.3	n/a	9/11/2020	3.1	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-46R	3.019	n/a	9/14/2020	1.1	No	13	2.15	0.3467	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-47	3.019	n/a	9/14/2020	2.2	No	13	2.519	0.2	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-47R	3.021	n/a	9/15/2020	2.2	No	13	2.5	0.2079	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-48	3.612	n/a	9/14/2020	4	Yes	13	2.572	0.4151	0	None	No	0.0008358	Param Intra 1 of 2
Chloride (mg/L)	GWC-49R	2.7	n/a	9/11/2020	1.2	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-49Z	1.455	n/a	9/14/2020	0.98J	No	13	1.118	0.1348	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-39RZ	30.14	n/a	9/16/2020	8.6	No	13	12.5	7.045	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-39Z	9.678	n/a	9/10/2020	0.95J	No	13	4.516	2.061	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-40	7.087	n/a	9/11/2020	1.3	No	14	1.363	0.5295	7.143	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-41	11.99	n/a	9/10/2020	1.7	No	13	1.385	0.3607	0	None	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-41R	12.93	n/a	9/10/2020	5.9	No	13	5.16	3.101	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-42	2.644	n/a	9/10/2020	0.95J	No	13	1.641	0.4006	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-43	2.037	n/a	9/11/2020	0.5ND	No	13	0.8393	0.4783	7.692	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-43R	10.71	n/a	9/14/2020	4.9	No	13	6.176	1.812	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-44	52.83	n/a	9/15/2020	23.1	No	13	17.74	14.01	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-45	1.809	n/a	9/11/2020	0.5ND	No	13	0.7349	0.4287	15.38	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-45R	4.171	n/a	9/11/2020	2.8	No	13	1.678	0.1456	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-46R	9.593	n/a	9/14/2020	6.9	No	13	6.725	1.145	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-47	5.618	n/a	9/14/2020	4.3	No	13	4.287	0.5315	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-47R	16.1	n/a	9/15/2020	9.6	No	13	9.164	2.771	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-48	3.856	n/a	9/14/2020	5.4	Yes	14	1.869	0.8101	7.143	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-49R	6.225	n/a	9/11/2020	2.1	No	14	1.88	0.2508	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2

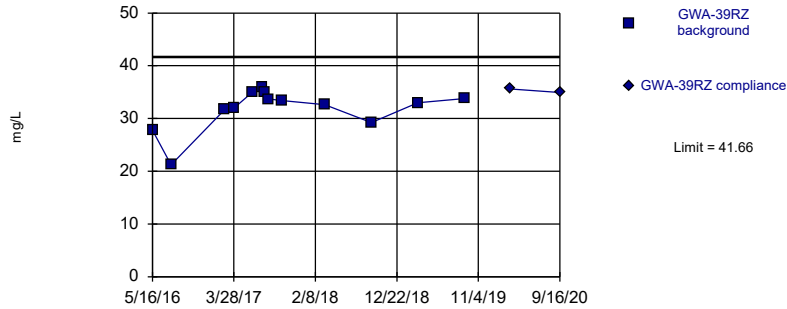
Federal Intrawell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-49Z	10.28	n/a	9/14/2020	1.2	No	13	0.9416	0.5543	0	None	ln(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-39RZ	264.6	n/a	9/16/2020	156	No	13	170.3	37.67	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-39Z	175.8	n/a	9/10/2020	16	No	12	77	38.66	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-40	161.4	n/a	9/11/2020	102	No	13	107.8	21.41	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41	200.2	n/a	9/10/2020	35	No	13	85.46	45.83	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-41R	247.5	n/a	9/10/2020	111	No	13	156	36.55	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-42	187.7	n/a	9/10/2020	120	No	13	135.9	20.69	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-43	90.21	n/a	9/11/2020	31	No	13	40.62	19.8	23.08	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-43R	179.1	n/a	9/14/2020	146	No	13	141	15.22	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-44	190.9	n/a	9/15/2020	56	No	14	3.427	0.9504	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-45	39	n/a	9/11/2020	11	No	13	n/a	n/a	53.85	n/a	n/a	0.009692	NP Intra (NDs) 1 of 2
Total Dissolved Solids (mg/l)	GWC-45R	226.6	n/a	9/11/2020	146	No	13	158.7	27.13	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-46R	293.7	n/a	9/14/2020	232	No	13	234.8	23.52	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-47	171.4	n/a	9/14/2020	129	No	13	127.8	17.38	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-47R	187.7	n/a	9/15/2020	108	No	13	154.5	13.26	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-48	62.49	n/a	9/14/2020	47	No	13	4.798	1.241	30.77	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-49R	196.3	n/a	9/11/2020	127	No	13	126.6	27.83	0	None	No	0.0008358	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-49Z	63.44	n/a	9/14/2020	25	No	13	31.4	12.79	23.08	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Parametric

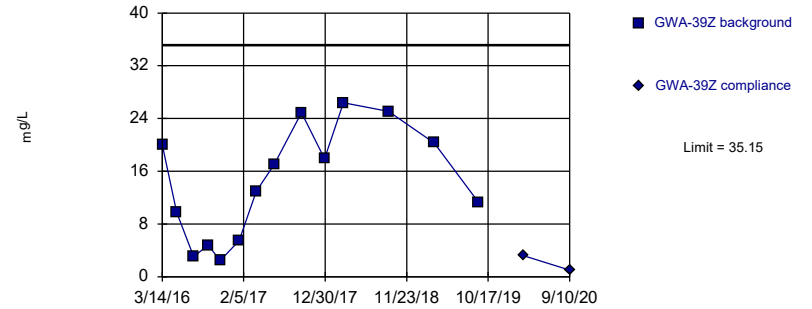


Background Data Summary: Mean=31.85, Std. Dev.=3.916, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.815, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

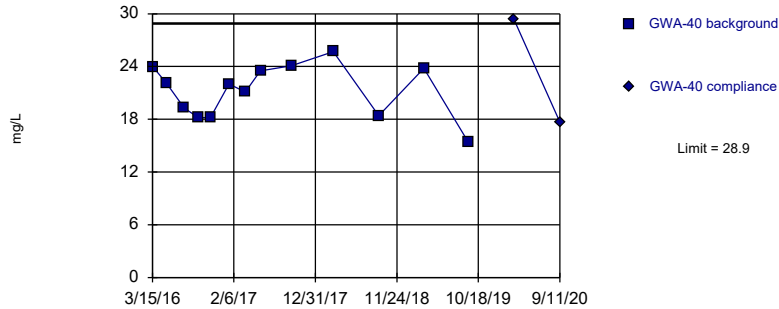


Background Data Summary: Mean=14.39, Std. Dev.=8.463, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9258, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

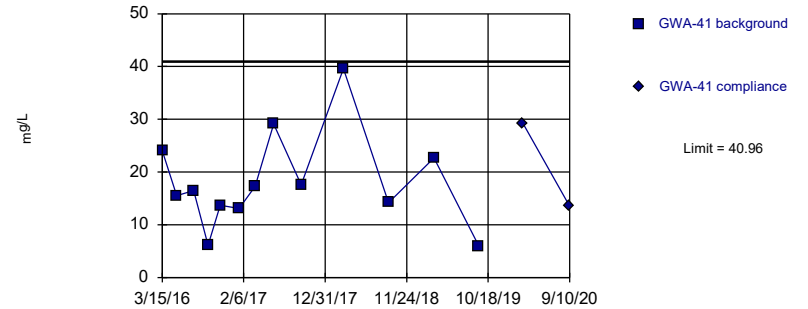


Background Data Summary: Mean=21.22, Std. Dev.=3.07, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9413, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

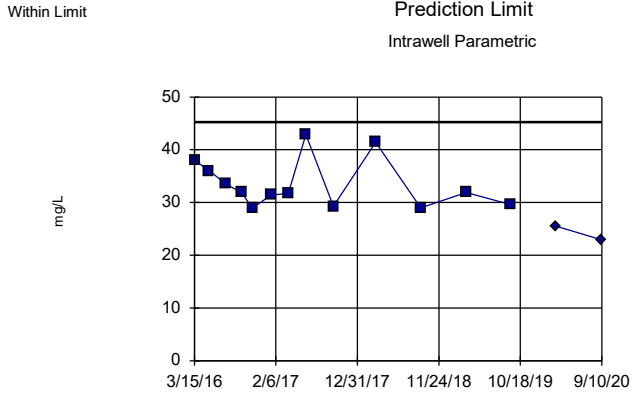
Within Limit

Prediction Limit
Intrawell Parametric



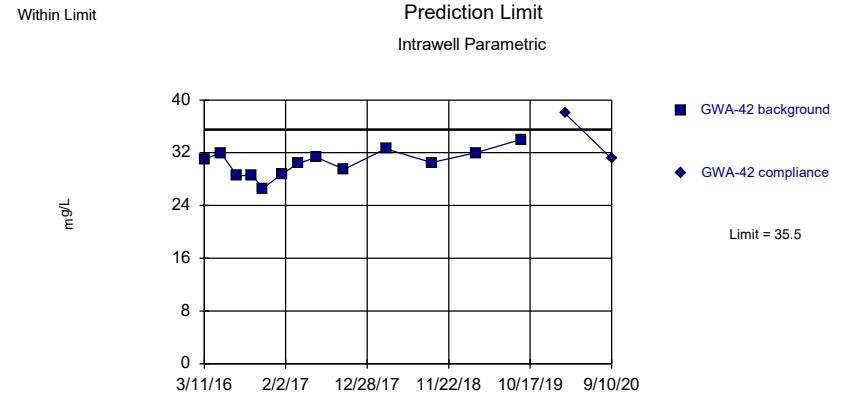
Background Data Summary: Mean=18.11, Std. Dev.=9.126, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.918, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



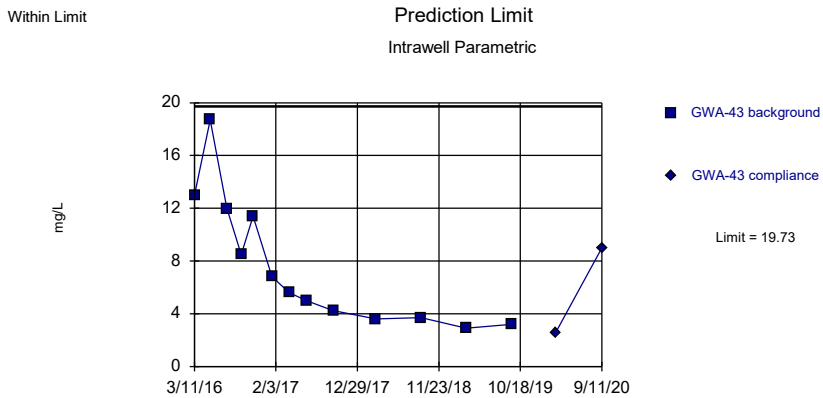
Background Data Summary: Mean=33.5, Std. Dev.=4.693, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8579, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



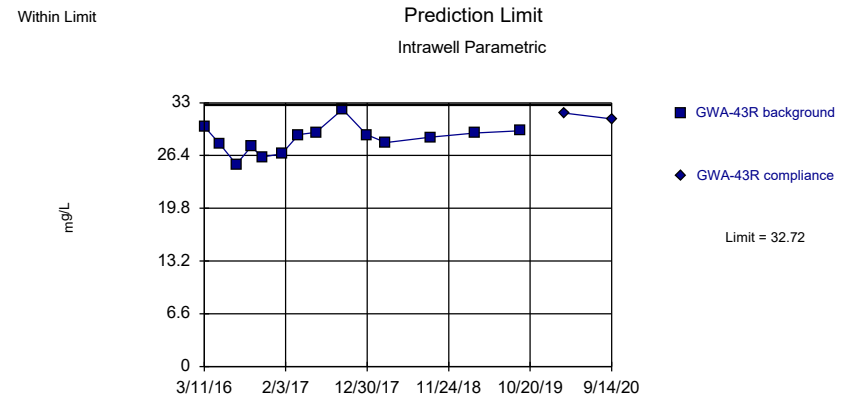
Background Data Summary: Mean=30.44, Std. Dev.=2.022, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9822, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR



Background Data Summary: Mean=7.587, Std. Dev.=4.85, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8654, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

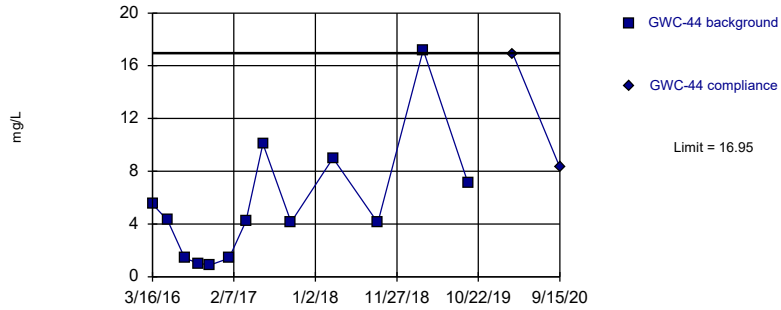


Background Data Summary: Mean=28.45, Std. Dev.=1.742, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9665, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

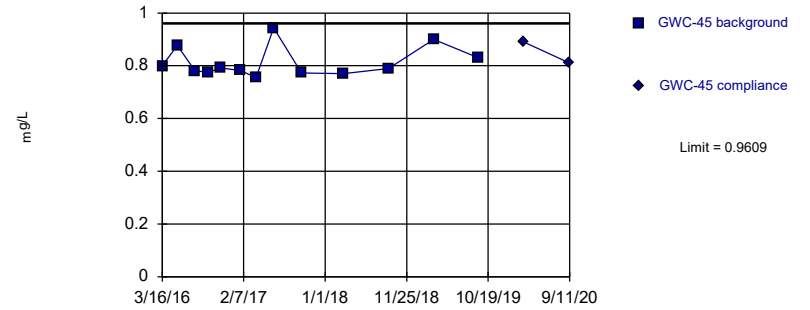


Background Data Summary: Mean=5.414, Std. Dev.=4.606, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8525, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

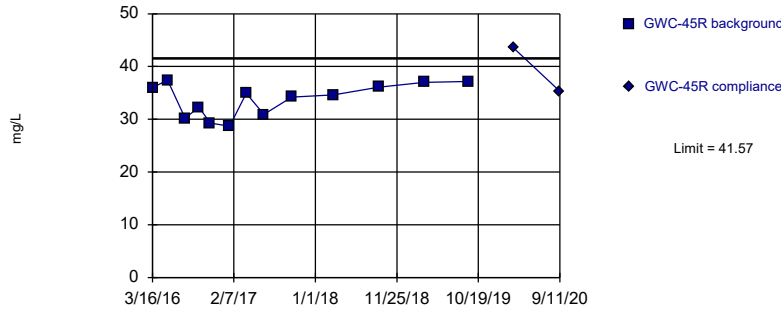


Background Data Summary (based on square root transformation): Mean=0.9012, Std. Dev.=0.03156, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8186, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

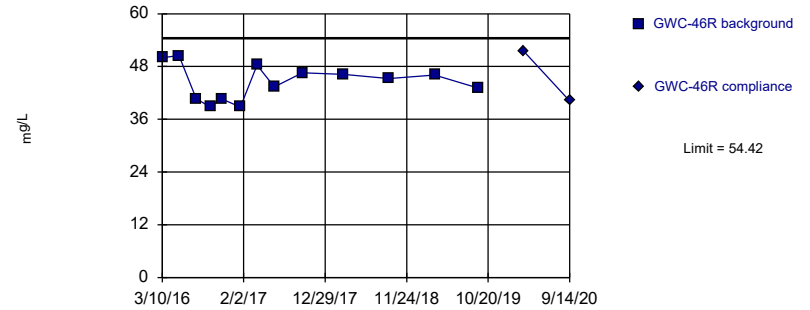


Background Data Summary: Mean=33.75, Std. Dev.=3.119, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9018, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

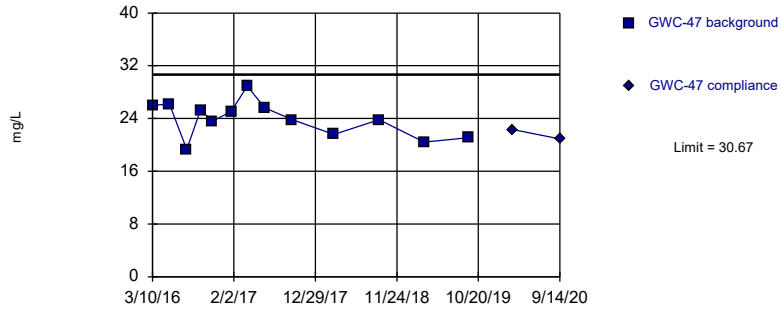


Background Data Summary: Mean=44.5, Std. Dev.=3.96, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9427, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

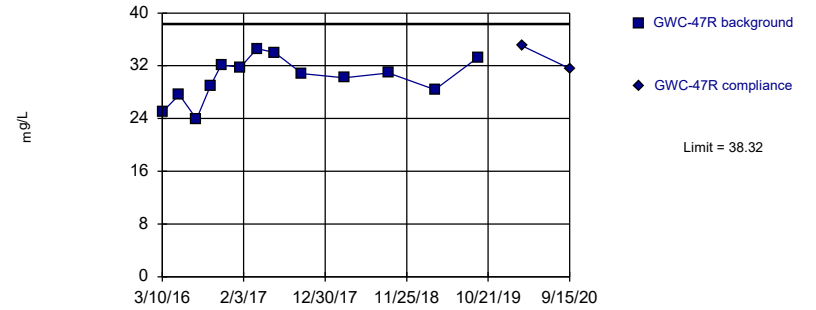


Background Data Summary: Mean=23.9, Std. Dev.=2.702, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9647, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

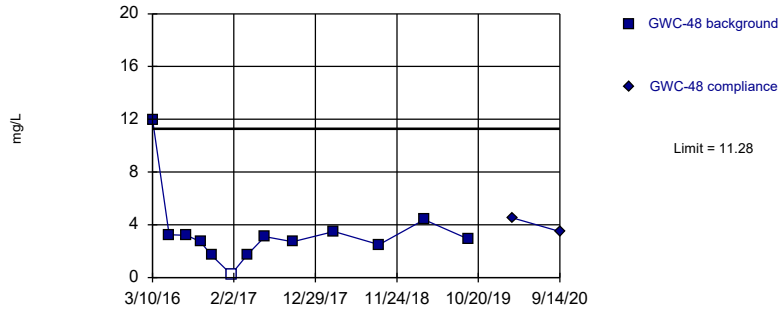


Background Data Summary: Mean=30.12, Std. Dev.=3.276, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

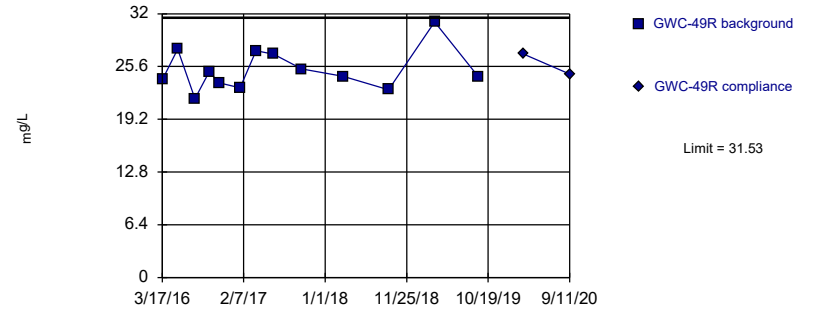


Background Data Summary (based on square root transformation): Mean=1.729, Std. Dev.=0.6507, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8256, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

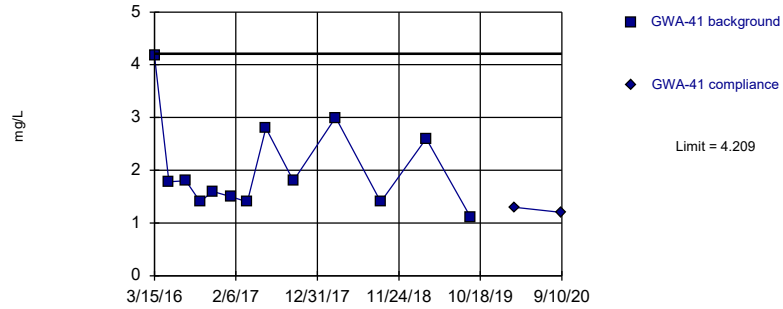


Background Data Summary: Mean=25.18, Std. Dev.=2.536, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Calcium Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

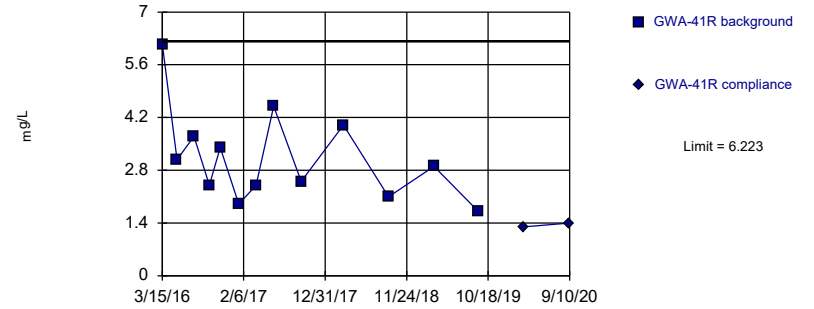


Background Data Summary: Mean=2.027, Std. Dev.=0.8715, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8369, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

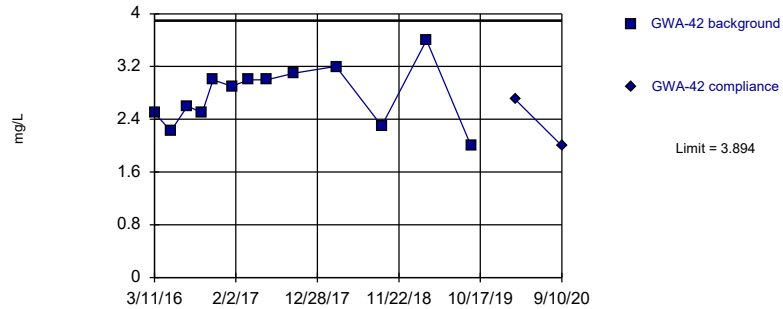


Background Data Summary: Mean=3.133, Std. Dev.=1.234, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9062, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

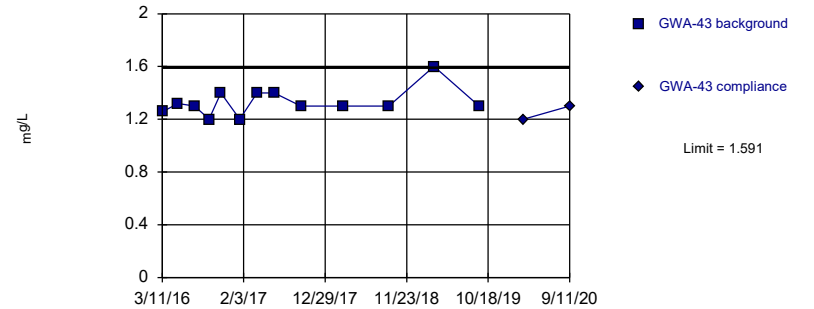


Background Data Summary: Mean=2.763, Std. Dev.=0.4518, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9662, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

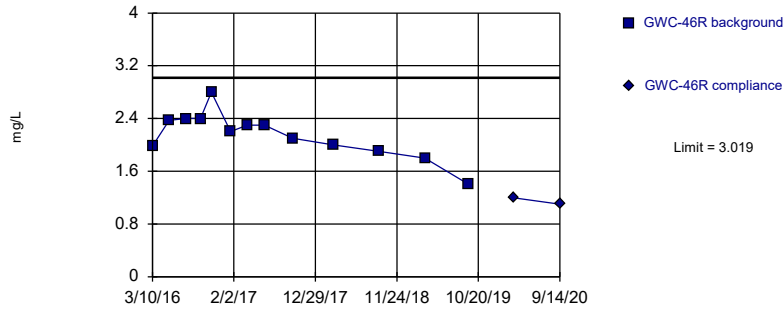


Background Data Summary: Mean=1.329, Std. Dev.=0.1047, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8529, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

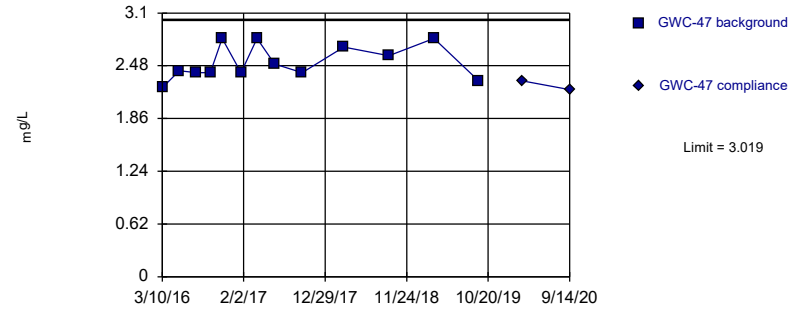


Background Data Summary: Mean=2.15, Std. Dev.=0.3467, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9645, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

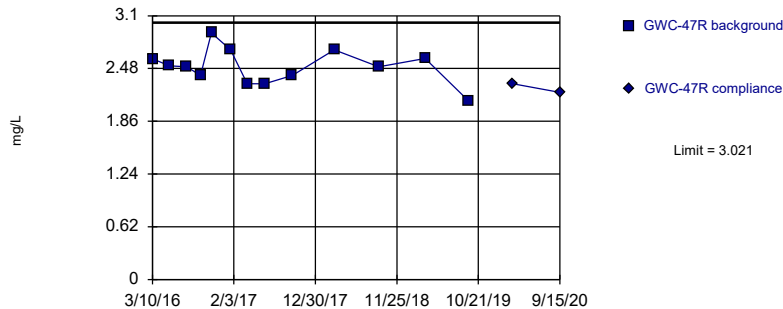


Background Data Summary: Mean=2.519, Std. Dev.=0.2, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8851, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

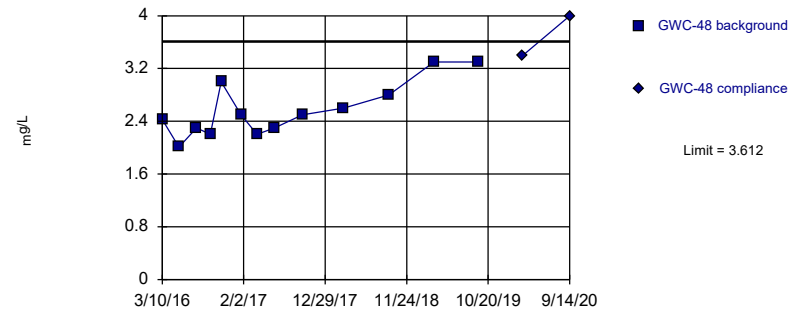


Background Data Summary: Mean=2.5, Std. Dev.=0.2079, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.983, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

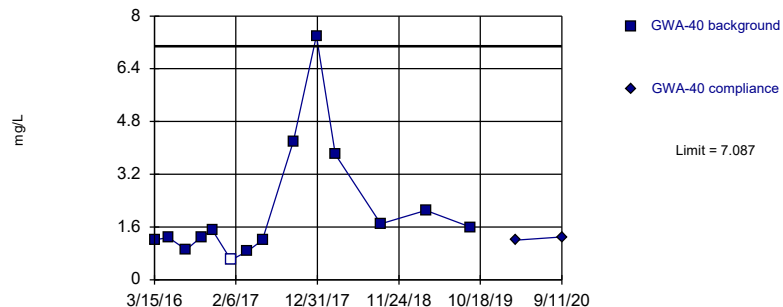


Background Data Summary: Mean=2.572, Std. Dev.=0.4151, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9106, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

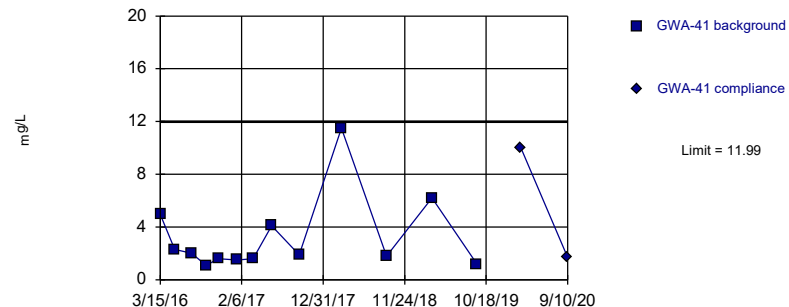


Background Data Summary (based on square root transformation): Mean=1.363, Std. Dev.=0.5295, n=14, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8304, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

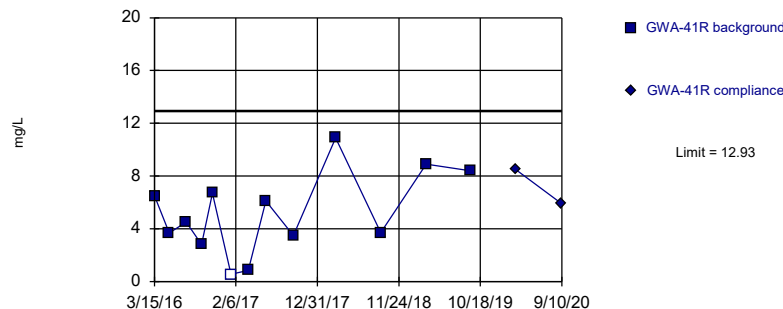


Background Data Summary (based on cube root transformation): Mean=1.385, Std. Dev.=0.3607, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8339, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

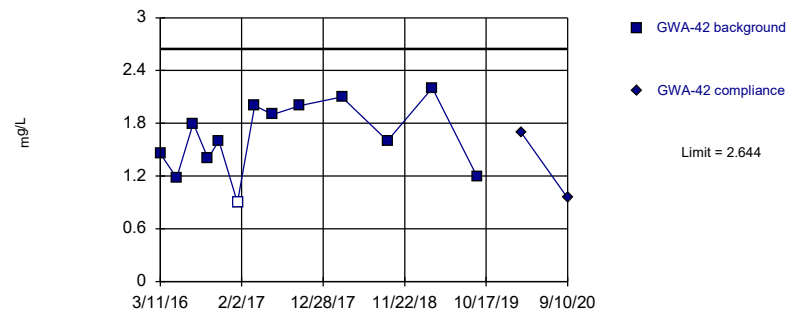


Background Data Summary: Mean=5.16, Std. Dev.=3.101, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9663, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

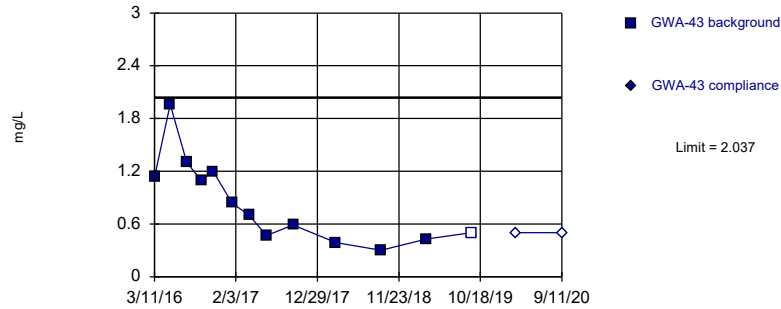


Background Data Summary: Mean=1.641, Std. Dev.=0.4006, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

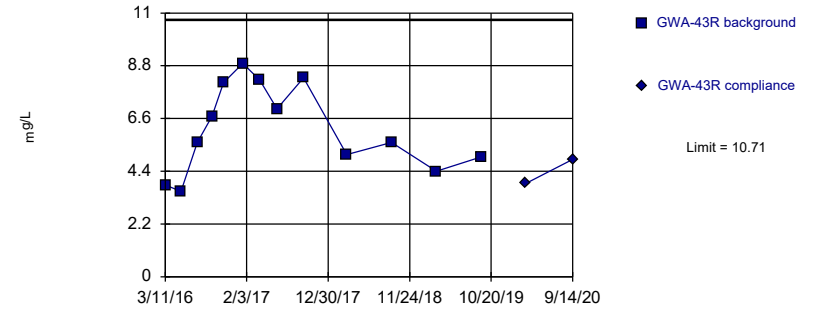


Background Data Summary: Mean=0.8393, Std. Dev.=0.4783, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8982, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

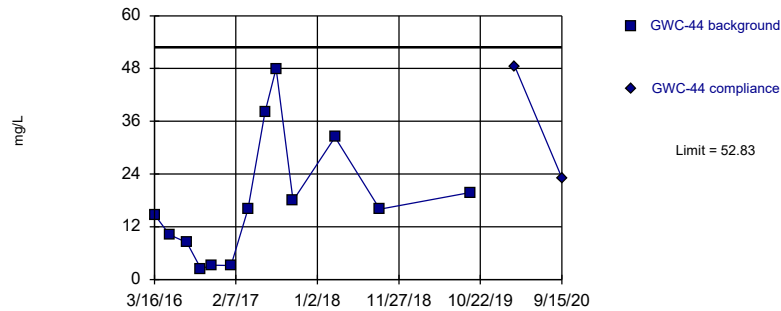


Background Data Summary: Mean=6.176, Std. Dev.=1.812, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9329, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

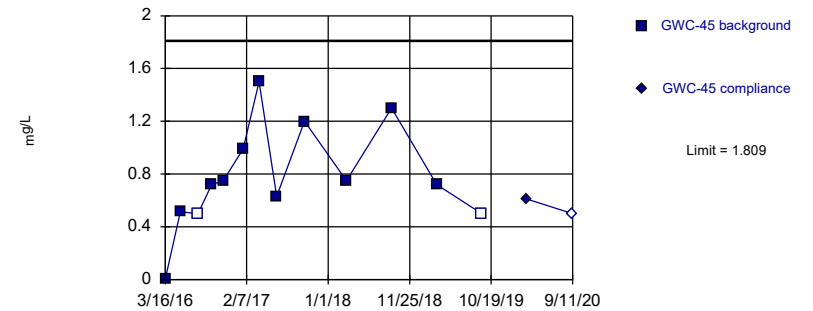


Background Data Summary: Mean=17.74, Std. Dev.=14.01, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8918, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

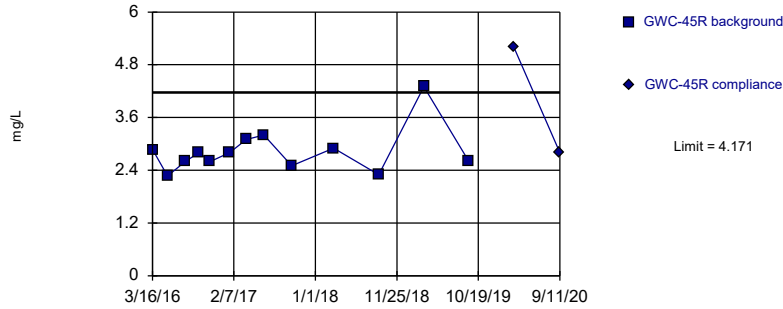


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7349, Std. Dev.=0.4287, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9496, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

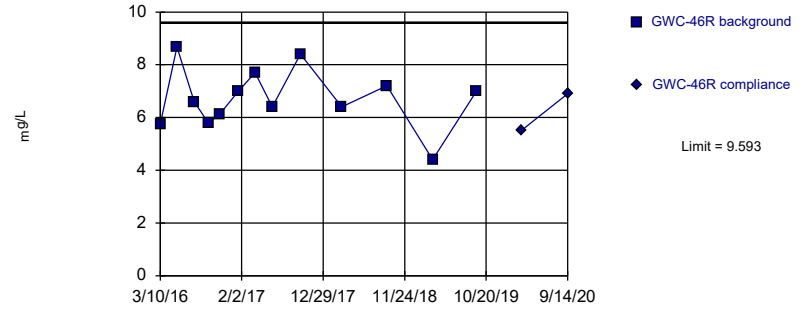


Background Data Summary (based on square root transformation): Mean=1.678, Std. Dev.=0.1456, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.852, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:42 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

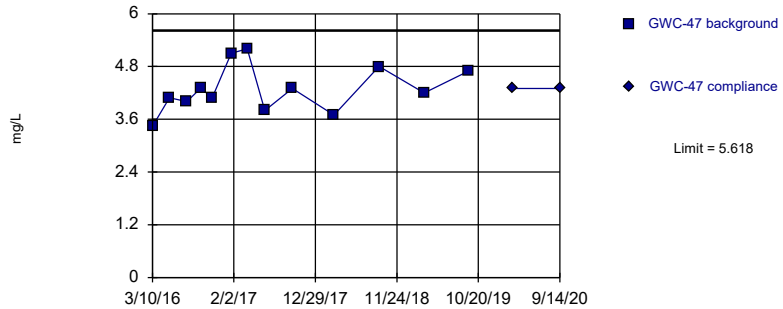


Background Data Summary: Mean=6.725, Std. Dev.=1.145, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9726, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit Intrawell Parametric

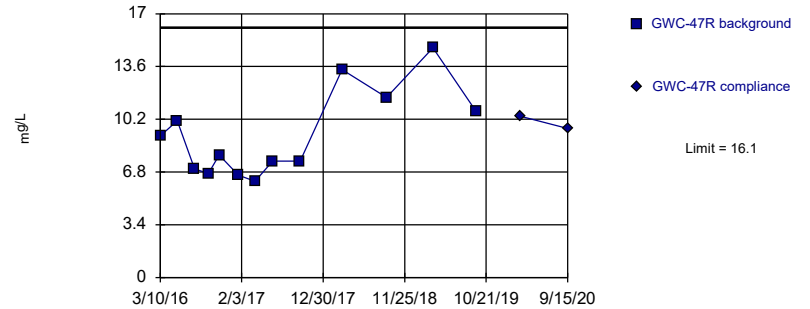


Background Data Summary: Mean=4.287, Std. Dev.=0.5315, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9587, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

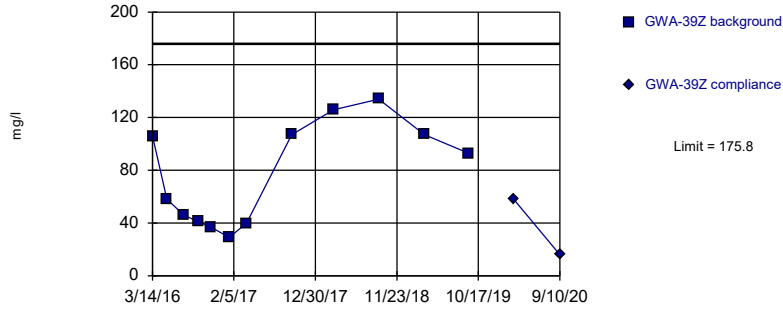
Prediction Limit Intrawell Parametric



Background Data Summary: Mean=9.164, Std. Dev.=2.771, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8903, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

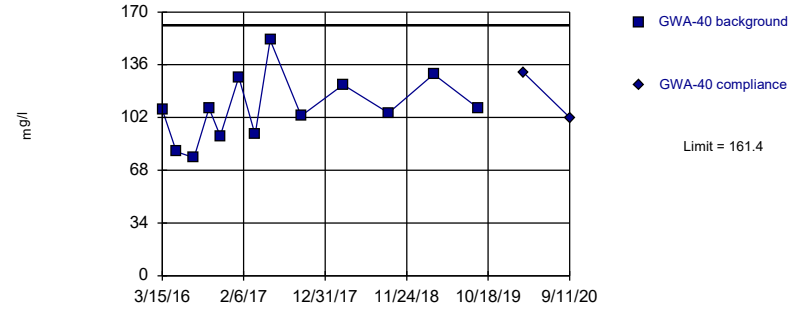
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=77, Std. Dev.=38.66, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.874, critical = 0.805. Kappa = 2.556 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

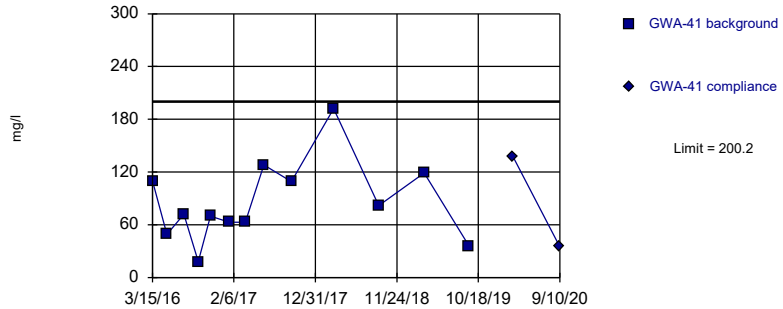
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=107.8, Std. Dev.=21.41, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9607, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

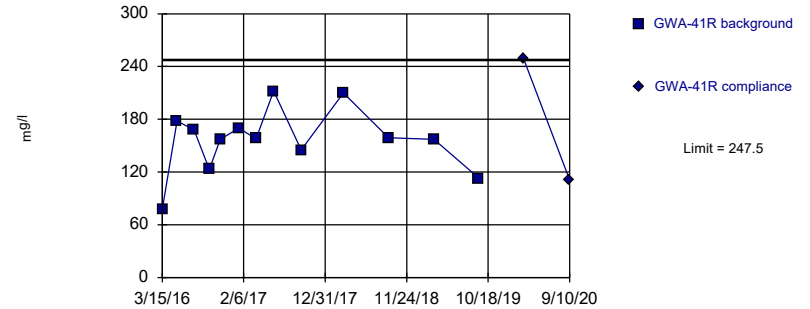
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=85.46, Std. Dev.=45.83, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9462, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit Prediction Limit
Intrawell Parametric

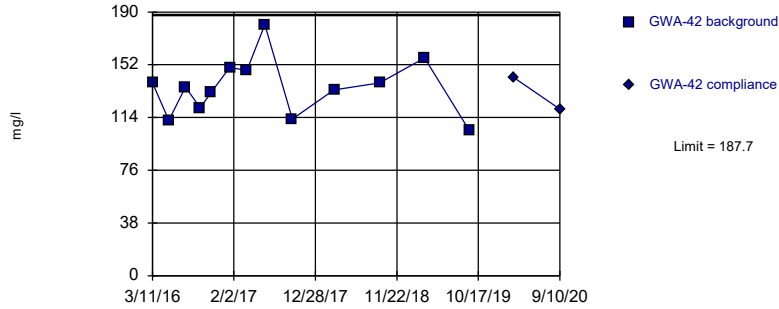


Background Data Summary: Mean=156, Std. Dev.=36.55, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

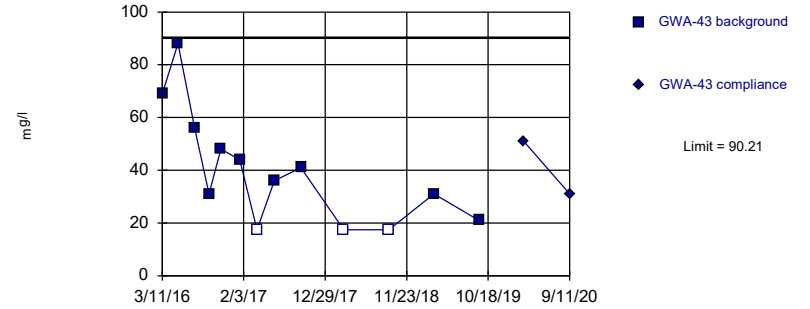


Background Data Summary: Mean=135.9, Std. Dev.=20.69, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9614, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

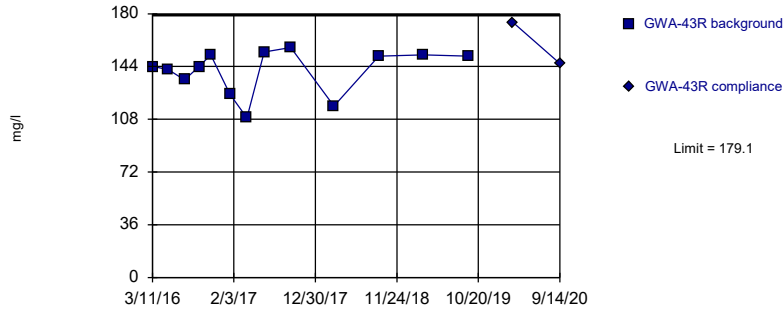


Background Data Summary (after Kaplan-Meier Adjustment): Mean=40.62, Std. Dev.=19.8, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9041, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric

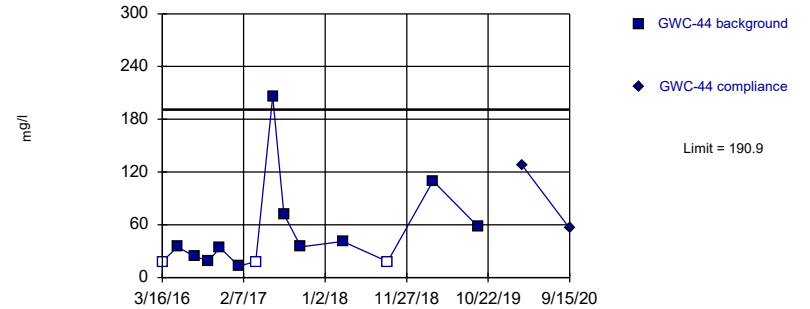


Background Data Summary: Mean=141, Std. Dev.=15.22, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8575, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Intrawell Parametric



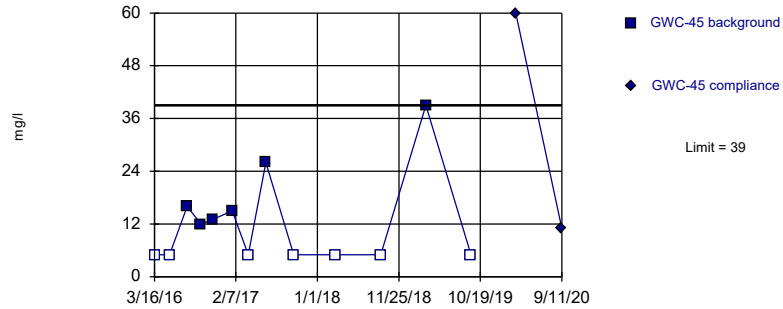
Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=3.427, Std. Dev.=0.9504, n=14, 21.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8593, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



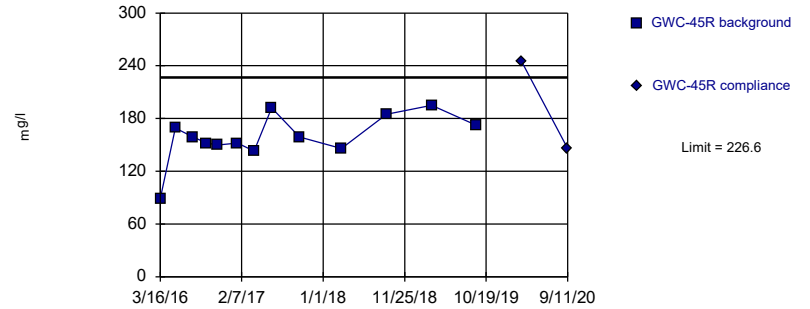
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 53.85% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

Prediction Limit Intrawell Parametric



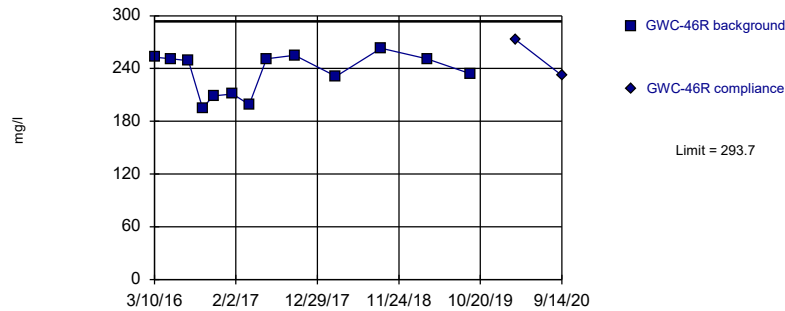
Background Data Summary: Mean=158.7, Std. Dev.=27.13, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8868, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

Prediction Limit Intrawell Parametric



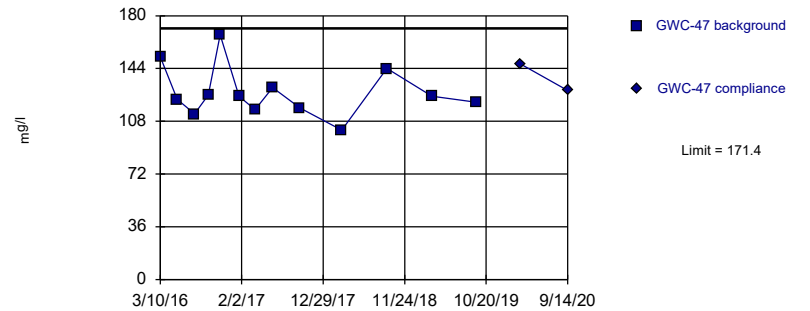
Background Data Summary: Mean=234.8, Std. Dev.=23.52, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8616, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

Prediction Limit Intrawell Parametric



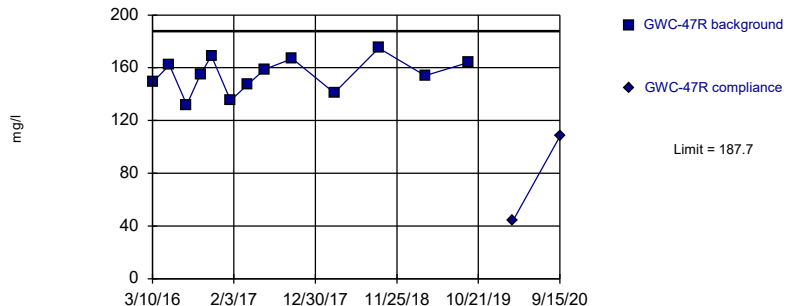
Background Data Summary: Mean=127.8, Std. Dev.=17.38, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit

Intrawell Parametric



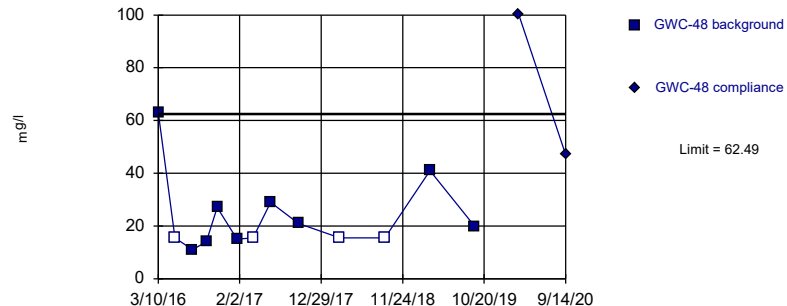
Background Data Summary: Mean=154.5, Std. Dev.=13.26, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9695, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit

Intrawell Parametric



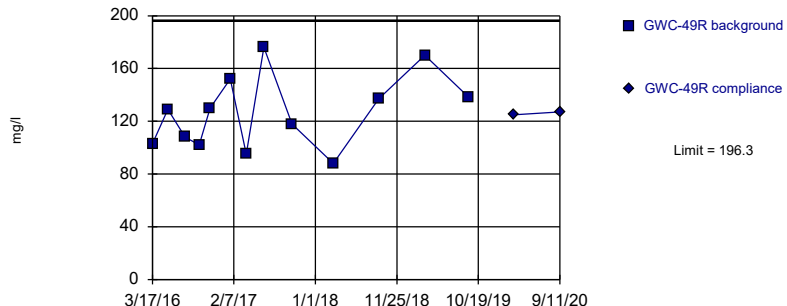
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.798, Std. Dev.=1.241, n=13, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8167, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit

Intrawell Parametric



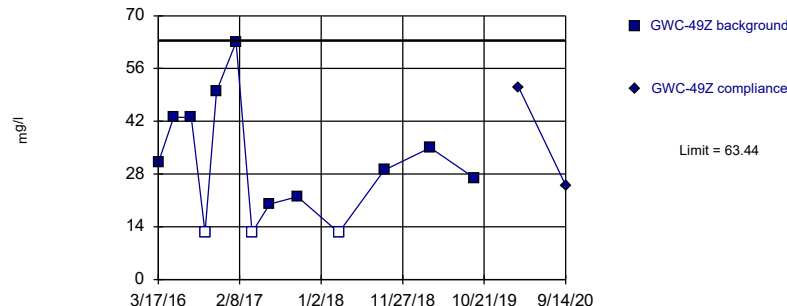
Background Data Summary: Mean=126.6, Std. Dev.=27.83, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9499, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=31.4, Std. Dev.=12.79, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9369, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Total Dissolved Solids Analysis Run 10/30/2020 3:43 PM View: CCR PLs
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	27.8 (D)	
7/27/2016	21.2 (D)	
2/21/2017	31.7 (D)	
3/27/2017	31.9 (D)	
6/8/2017	35 (D)	
7/17/2017	35.9 (D)	
7/27/2017	34.9 (D)	
8/9/2017	33.7 (D)	
9/29/2017	33.4 (D)	
3/16/2018	32.6	
9/14/2018	29.2	
3/14/2019	33	
9/10/2019	33.8	
3/9/2020		35.6
9/16/2020		34.9

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	20	
5/11/2016	9.76	
7/19/2016	3.04	
9/15/2016	4.78	
11/2/2016	2.46	
1/18/2017	5.46	
3/28/2017	13	
6/7/2017	17	
9/26/2017	24.9	
12/28/2017	17.9 (Y)	
3/14/2018	26.4	
9/12/2018	25.1	
3/15/2019	20.3 (X)	
9/9/2019	11.3	
3/9/2020		3.2
9/10/2020		1

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	24	
5/11/2016	22.1	
7/21/2016	19.3	
9/15/2016	18.2	
11/3/2016	18.2	
1/17/2017	22	
3/24/2017	21.1	
5/24/2017	23.5	
9/26/2017	24.1	
3/14/2018	25.7	
9/12/2018	18.4 (J)	
3/13/2019	23.8 (X)	
9/9/2019	15.4	
3/9/2020		29.4
9/11/2020		17.7

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	24	
5/12/2016	15.5	
7/20/2016	16.5	
9/15/2016	6.1	
11/3/2016	13.7	
1/18/2017	13.1	
3/24/2017	17.3	
6/6/2017	29.1	
9/25/2017	17.6	
3/14/2018	39.6	
9/12/2018	14.2 (J)	
3/14/2019	22.7 (X)	
9/10/2019	6	
3/6/2020		29.2
9/10/2020		13.5

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	38	
5/13/2016	36	
7/21/2016	33.5	
9/21/2016	31.9	
11/3/2016	28.9	
1/17/2017	31.4	
3/27/2017	31.7	
6/6/2017	42.9	
9/25/2017	29.3	
3/14/2018	41.4	
9/12/2018	29	
3/14/2019	31.9	
9/10/2019	29.6	
3/9/2020		25.5
9/10/2020		22.9

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	31	
5/16/2016	32	
7/22/2016	28.5	
9/19/2016	28.6	
11/3/2016	26.6	
1/17/2017	28.7	
3/27/2017	30.4	
6/7/2017	31.3	
9/26/2017	29.5	
3/14/2018	32.6	
9/14/2018	30.5	
3/14/2019	32	
9/10/2019	34	
3/6/2020		38
9/10/2020		31.1

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	13	
5/13/2016	18.7	
7/19/2016	12	
9/16/2016	8.48	
11/2/2016	11.4	
1/18/2017	6.81	
3/28/2017	5.61	
6/6/2017	4.99	
9/22/2017	4.24	
3/14/2018	3.6	
9/12/2018	3.7	
3/13/2019	2.9	
9/11/2019	3.2	
3/9/2020		2.6
9/11/2020		9

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	30	
5/13/2016	27.8	
7/19/2016	25.3	
9/16/2016	27.5	
11/2/2016	26.2	
1/18/2017	26.6	
3/28/2017	29	
6/6/2017	29.3	
9/22/2017	32.2	
12/28/2017	29 (Y)	
3/15/2018	28	
9/12/2018	28.7	
3/13/2019	29.2	
9/11/2019	29.5	
3/9/2020		31.7
9/14/2020		31

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	5.5	
5/16/2016	4.3	
7/25/2016	1.41	
9/19/2016	1.01	
11/3/2016	0.884	
1/19/2017	1.41	
3/28/2017	4.23	
6/5/2017	10.1	
9/26/2017	4.14	
3/15/2018	9	
9/12/2018	4.1	
3/14/2019	17.2 (X)	
9/11/2019	7.1	
3/10/2020		16.9
9/15/2020		8.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.8	
5/16/2016	0.877	
7/25/2016	0.781	
9/19/2016	0.775	
11/4/2016	0.792	
1/23/2017	0.782	
3/29/2017	0.756	
6/7/2017	0.944	
9/27/2017	0.773	
3/15/2018	0.77	
9/13/2018	0.79	
3/14/2019	0.9	
9/11/2019	0.83	
3/10/2020		0.89 (J)
9/11/2020		0.81 (J)

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	36	
5/16/2016	37.4	
7/25/2016	30.2	
9/19/2016	32.3	
11/3/2016	29.3	
1/20/2017	28.7	
3/29/2017	34.9	
6/7/2017	30.9	
9/27/2017	34.2	
3/15/2018	34.6	
9/13/2018	36.1	
3/14/2019	37	
9/11/2019	37.2	
3/10/2020		43.5
9/11/2020		35.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	50	
5/17/2016	50.5	
7/26/2016	40.7	
9/20/2016	38.8	
11/4/2016	40.7	
1/20/2017	38.8	
3/28/2017	48.3	
6/7/2017	43.4	
9/29/2017	46.6	
3/15/2018	46.2	
9/13/2018	45.3	
3/18/2019	46.1	
9/11/2019	43.1	
3/10/2020		51.6
9/14/2020		40.2

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	26	
5/18/2016	26.2	
7/27/2016	19.3	
9/20/2016	25.3	
11/7/2016	23.6	
1/23/2017	25.1	
3/29/2017	28.9	
6/8/2017	25.6	
9/27/2017	23.8	
3/15/2018	21.6 (J)	
9/13/2018	23.8 (J)	
3/15/2019	20.4 (X)	
9/12/2019	21.1	
3/9/2020		22.3
9/14/2020		20.9

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	25	
5/18/2016	27.6	
7/27/2016	23.9	
9/20/2016	28.9	
11/4/2016	32.1	
1/20/2017	31.8	
3/29/2017	34.6	
6/8/2017	34	
9/27/2017	30.8	
3/16/2018	30.2	
9/13/2018	30.9	
3/19/2019	28.4	
9/11/2019	33.3	
3/9/2020		35
9/15/2020		31.6

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	12	
5/17/2016	3.25	
7/27/2016	3.2	
9/20/2016	2.72	
11/4/2016	1.69	
1/23/2017	<0.5	
3/28/2017	1.72	
6/8/2017	3.11	
9/29/2017	2.71	
3/15/2018	3.5	
9/13/2018	2.5	
3/15/2019	4.4	
9/11/2019	2.9	
3/9/2020		4.5
9/14/2020		3.5

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	24	
5/18/2016	27.7	
7/27/2016	21.7	
9/21/2016	24.9	
11/4/2016	23.6	
1/24/2017	23	
3/29/2017	27.5	
6/8/2017	27.1	
9/29/2017	25.3	
3/15/2018	24.4 (J)	
9/13/2018	22.8 (J)	
3/18/2019	31	
9/11/2019	24.3	
3/11/2020		27.1
9/11/2020		24.7

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	6.4	
5/18/2016	4.63	
7/28/2016	2.25	
9/21/2016	1.86	
11/7/2016	1.65	
1/24/2017	1.62	
3/30/2017	1.27	
6/9/2017	1.18	
9/29/2017	0.967	
3/15/2018	0.81	
9/14/2018	0.7	
3/19/2019	1.1	
9/11/2019	0.78	
3/9/2020		0.87 (J)
9/14/2020		0.65 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	1.74 (D)	
7/27/2016	2.1 (D)	
2/21/2017	4 (D)	
3/27/2017	2.6 (D)	
6/8/2017	2.1 (D)	
7/17/2017	1.9 (D)	
7/27/2017	3 (D)	
8/9/2017	2.5 (D)	
9/29/2017	2.7 (D)	
3/16/2018	2.6	
9/14/2018	1.9	
3/14/2019	2.8	
9/10/2019	2.3	
3/9/2020		1.5
9/16/2020		1.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	1.795	
5/11/2016	2.04	
7/19/2016	2.1	
9/15/2016	1.7	
11/2/2016	1.8	
1/18/2017	1.7	
3/28/2017	1.3	
6/7/2017	1.2	
9/26/2017	1.7	
3/14/2018	1.4	
9/12/2018	1.6	
3/15/2019	1.7	
9/9/2019	1.2	
3/9/2020		1.2
9/10/2020		1.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	1.1671	
5/11/2016	0.8763	
7/21/2016	1.4	
9/19/2016	1.1	
11/3/2016	1.2	
1/17/2017	1	
3/24/2017	1.2	
5/24/2017	1.5	
9/26/2017	2.4	
12/28/2017	3.9 (Y)	
3/14/2018	2.4	
9/12/2018	1	
3/13/2019	2.2	
9/9/2019	0.83 (X)	
3/9/2020		1.5
9/11/2020		0.77 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	4.1666	
5/12/2016	1.78	
7/20/2016	1.8	
9/15/2016	1.4	
11/3/2016	1.6	
1/18/2017	1.5	
3/24/2017	1.4	
6/6/2017	2.8	
9/25/2017	1.8	
3/14/2018	3	
9/12/2018	1.4	
3/14/2019	2.6	
9/10/2019	1.1	
3/6/2020		1.3
9/10/2020		1.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	6.1465	
5/13/2016	3.08	
7/21/2016	3.7	
9/21/2016	2.4	
11/3/2016	3.4	
1/17/2017	1.9	
3/27/2017	2.4	
6/6/2017	4.5	
9/25/2017	2.5	
3/14/2018	4 (J)	
9/12/2018	2.1	
3/14/2019	2.9	
9/10/2019	1.7	
3/9/2020		1.3
9/10/2020		1.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	2.4984	
5/16/2016	2.22	
7/22/2016	2.6	
9/19/2016	2.5	
11/3/2016	3	
1/17/2017	2.9	
3/27/2017	3	
6/7/2017	3	
9/26/2017	3.1	
3/14/2018	3.2	
9/14/2018	2.3	
3/14/2019	3.6	
9/10/2019	2	
3/6/2020		2.7
9/10/2020		2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	1.2562	
5/13/2016	1.32	
7/19/2016	1.3	
9/16/2016	1.2	
11/2/2016	1.4	
1/18/2017	1.2	
3/28/2017	1.4	
6/6/2017	1.4	
9/22/2017	1.3	
3/14/2018	1.3	
9/12/2018	1.3	
3/13/2019	1.6	
9/11/2019	1.3	
3/9/2020		1.2
9/11/2020		1.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	1.9467	
5/13/2016	2.14	
7/19/2016	3.1	
9/16/2016	3.5	
11/2/2016	4.7	
1/18/2017	4.9	
3/28/2017	4.1	
6/6/2017	3.6	
9/22/2017	3.9	
3/15/2018	2.8	
9/12/2018	3.1	
3/13/2019	2.9	
9/11/2019	3.1	
3/9/2020		2.2
9/14/2020		3.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	6.505	
5/16/2016	5.08	
7/25/2016	1.2	
9/19/2016	1.9	
11/3/2016	2	
1/19/2017	2.6	
3/28/2017	5.7	
6/5/2017	7.8	
7/20/2017	7.4	
9/26/2017	3.7	
3/15/2018	6.5	
9/12/2018	3.6	
3/14/2019	6.4	
9/11/2019	3.7	
3/10/2020		5.9
9/15/2020		4.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.9445	
5/16/2016	0.9104	
7/25/2016	1.2	
9/19/2016	1.1	
11/4/2016	1	
1/23/2017	1.2	
3/29/2017	1.1	
6/7/2017	1	
9/27/2017	1.1	
3/15/2018	<1.3	
9/13/2018	0.93	
3/14/2019	<1.3	
9/11/2019	0.81 (X)	
3/10/2020		0.8 (J)
9/11/2020		0.79 (J)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	3.0774	
5/16/2016	3	
7/25/2016	3	
9/19/2016	3	
11/3/2016	3	
1/20/2017	3.3	
3/29/2017	3.2	
6/7/2017	3.1	
9/27/2017	3.2	
3/15/2018	3.3	
9/13/2018	2.9	
3/14/2019	4.3	
9/11/2019	2.9	
3/10/2020		4.4
9/11/2020		3.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	1.9859	
5/17/2016	2.37	
7/26/2016	2.4	
9/20/2016	2.4	
11/4/2016	2.8	
1/20/2017	2.2	
3/28/2017	2.3	
6/7/2017	2.3	
9/29/2017	2.1	
3/15/2018	2	
9/13/2018	1.9	
3/18/2019	1.8	
9/11/2019	1.4	
3/10/2020		1.2
9/14/2020		1.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	2.2206	
5/18/2016	2.42	
7/27/2016	2.4	
9/20/2016	2.4	
11/7/2016	2.8	
1/23/2017	2.4	
3/29/2017	2.8	
6/8/2017	2.5	
9/27/2017	2.4	
3/15/2018	2.7	
9/13/2018	2.6	
3/15/2019	2.8	
9/12/2019	2.3	
3/9/2020		2.3
9/14/2020		2.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	2.5934	
5/18/2016	2.51	
7/27/2016	2.5	
9/20/2016	2.4	
11/4/2016	2.9	
1/20/2017	2.7	
3/29/2017	2.3	
6/8/2017	2.3	
9/27/2017	2.4	
3/16/2018	2.7	
9/13/2018	2.5	
3/19/2019	2.6	
9/11/2019	2.1	
3/9/2020		2.3
9/15/2020		2.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020		3.4
9/14/2020		4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	1.4476	
5/18/2016	1.43	
7/27/2016	1.6	
9/21/2016	1.6	
11/4/2016	1.6	
1/24/2017	1.7	
3/29/2017	1.6	
6/8/2017	1.6	
9/29/2017	1.7	
3/15/2018	1.6	
9/13/2018	1.3	
3/18/2019	2.7	
9/11/2019	1.4	
3/11/2020		1.4
9/11/2020		1.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	1.0624	
5/18/2016	1.41	
7/28/2016	1.4	
9/21/2016	1.2	
11/7/2016	1.4	
1/24/2017	<1.1 (*)	
3/30/2017	1.2	
6/9/2017	1.1	
9/29/2017	1.2	
3/15/2018	1.4	
9/14/2018	1.1	
3/19/2019	<1.1	
9/11/2019	1	
3/9/2020		1
9/14/2020		0.98 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	2.4 (D)	
7/27/2016	3.6 (D)	
2/21/2017	26 (D)	
3/27/2017	10 (D)	
6/8/2017	6.7 (D)	
7/17/2017	6.4 (D)	
7/27/2017	18 (D)	
8/9/2017	18 (D)	
9/29/2017	21 (D)	
3/16/2018	15.5	
9/14/2018	11.6	
3/14/2019	9.3	
9/10/2019	14	
3/9/2020		5.8
9/16/2020		8.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	4.2598	
5/11/2016	6.05	
7/19/2016	9.5	
9/15/2016	6.7	
11/2/2016	5.4	
1/18/2017	5.5	
3/28/2017	2.9	
6/7/2017	2.3	
9/26/2017	3.2	
3/14/2018	3.8	
9/12/2018	3.7	
3/15/2019	3	
9/9/2019	2.4	
3/9/2020		0.84 (J)
9/10/2020		0.95 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	1.2104	
5/11/2016	1.28	
7/21/2016	0.91 (J)	
9/19/2016	1.3	
11/3/2016	1.5	
1/17/2017	<1.2 (*)	
3/24/2017	0.86 (J)	
5/24/2017	1.2	
9/26/2017	4.2	
12/28/2017	7.4 (Y)	
3/14/2018	3.8	
9/12/2018	1.7	
3/13/2019	2.1	
9/9/2019	1.6	
3/9/2020		1.2
9/11/2020		1.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	4.9347	
5/12/2016	2.3	
7/20/2016	2	
9/15/2016	1.1	
11/3/2016	1.6	
1/18/2017	1.5	
3/24/2017	1.6	
6/6/2017	4.1	
9/25/2017	1.9	
3/14/2018	11.5	
9/12/2018	1.8	
3/14/2019	6.2	
9/10/2019	1.2	
3/6/2020		10
9/10/2020		1.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	6.4987	
5/13/2016	3.68	
7/21/2016	4.5	
9/21/2016	2.8	
11/3/2016	6.7	
1/17/2017	<1.1 (*)	
3/27/2017	0.85 (J)	
6/6/2017	6.1	
9/25/2017	3.5	
3/14/2018	10.9 (J)	
9/12/2018	3.7	
3/14/2019	8.9	
9/10/2019	8.4	
3/9/2020		8.5
9/10/2020		5.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	1.4538	
5/16/2016	1.18	
7/22/2016	1.8	
9/19/2016	1.4	
11/3/2016	1.6	
1/17/2017	<1.8 (*)	
3/27/2017	2	
6/7/2017	1.9	
9/26/2017	2	
3/14/2018	2.1	
9/14/2018	1.6	
3/14/2019	2.2	
9/10/2019	1.2	
3/6/2020		1.7
9/10/2020		0.95 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	1.1313	
5/13/2016	1.96	
7/19/2016	1.3	
9/16/2016	1.1	
11/2/2016	1.2	
1/18/2017	0.84 (J)	
3/28/2017	0.7 (J)	
6/6/2017	0.47 (J)	
9/22/2017	0.59 (J)	
3/14/2018	0.39 (J)	
9/12/2018	0.3 (J)	
3/13/2019	0.43 (X)	
9/11/2019	<1	
3/9/2020		<1
9/11/2020		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	3.8282	
5/13/2016	3.56	
7/19/2016	5.6	
9/16/2016	6.7	
11/2/2016	8.1	
1/18/2017	8.9	
3/28/2017	8.2	
6/6/2017	7	
9/22/2017	8.3	
3/15/2018	5.1	
9/12/2018	5.6	
3/13/2019	4.4	
9/11/2019	5	
3/9/2020		3.9
9/14/2020		4.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	14.7828	
5/16/2016	10.2	
7/25/2016	8.4	
9/19/2016	2.5	
11/3/2016	3.3	
1/19/2017	3.2	
3/28/2017	16 (J)	
6/5/2017	38	
7/20/2017	48	
9/26/2017	18	
3/15/2018	32.4	
9/12/2018	16	
3/14/2019	79.7 (O)	
9/11/2019	19.8	
3/10/2020		48.5
9/15/2020		23.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	0.00424 (J)	
5/16/2016	0.5151 (J)	
7/25/2016	<1 (*)	
9/19/2016	0.72 (J)	
11/4/2016	0.75 (J)	
1/23/2017	0.99 (J)	
3/29/2017	1.5	
6/7/2017	0.63 (J)	
9/27/2017	1.2	
3/15/2018	0.75 (J)	
9/13/2018	1.3	
3/14/2019	0.72 (X)	
9/11/2019	<1	
3/10/2020		0.61 (J)
9/11/2020		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	2.8721	
5/16/2016	2.27	
7/25/2016	2.6	
9/19/2016	2.8	
11/3/2016	2.6	
1/20/2017	2.8	
3/29/2017	3.1	
6/7/2017	3.2	
9/27/2017	2.5	
3/15/2018	2.9	
9/13/2018	2.3	
3/14/2019	4.3	
9/11/2019	2.6	
3/10/2020		5.2
9/11/2020		2.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	5.7554	
5/17/2016	8.67	
7/26/2016	6.6	
9/20/2016	5.8	
11/4/2016	6.1	
1/20/2017	7	
3/28/2017	7.7	
6/7/2017	6.4	
9/29/2017	8.4	
3/15/2018	6.4	
9/13/2018	7.2	
3/18/2019	4.4	
9/11/2019	7	
3/10/2020		5.5
9/14/2020		6.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	3.4409	
5/18/2016	4.09	
7/27/2016	4	
9/20/2016	4.3	
11/7/2016	4.1	
1/23/2017	5.1	
3/29/2017	5.2	
6/8/2017	3.8	
9/27/2017	4.3	
3/15/2018	3.7	
9/13/2018	4.8	
3/15/2019	4.2	
9/12/2019	4.7	
3/9/2020		4.3
9/14/2020		4.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	9.1279	
5/18/2016	10.1	
7/27/2016	7	
9/20/2016	6.7	
11/4/2016	7.9	
1/20/2017	6.6	
3/29/2017	6.2	
6/8/2017	7.5	
9/27/2017	7.5	
3/16/2018	13.4	
9/13/2018	11.6	
3/19/2019	14.8	
9/11/2019	10.7	
3/9/2020		10.4
9/15/2020		9.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	2.6569	
5/17/2016	2.39	
7/27/2016	<1.6 (*)	
9/20/2016	2.4	
11/4/2016	2.1	
1/23/2017	2.1	
3/28/2017	2.1	
6/8/2017	1.3	
9/29/2017	3.7	
12/28/2017	1.7 (Y)	
3/15/2018	0.76 (J)	
9/13/2018	1.6	
3/15/2019	1.7	
9/11/2019	0.86 (X)	
3/9/2020		1.6
9/14/2020		5.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	3.4197	
5/18/2016	3.06	
7/27/2016	2.6	
9/21/2016	3.1	
11/4/2016	3.1	
1/24/2017	3	
3/29/2017	2.5	
6/8/2017	3.3	
9/29/2017	4.2	
12/28/2017	3.8 (Y)	
3/15/2018	3.1	
9/13/2018	3.6	
3/18/2019	5.8	
9/11/2019	5.7	
3/11/2020		3.3
9/11/2020		2.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	5.3658	
5/18/2016	4.44	
7/28/2016	9.9	
9/21/2016	2.2	
11/7/2016	2.2	
1/24/2017	1.5	
3/30/2017	1.7	
6/9/2017	1.7	
9/29/2017	2.2	
3/15/2018	2.4	
9/14/2018	2.4	
3/19/2019	2.2	
9/11/2019	1.5	
3/9/2020		1.5
9/14/2020		1.2

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39RZ	GWA-39RZ
5/16/2016	114 (D)	
7/27/2016	107 (D)	
2/21/2017	229 (D)	
3/27/2017	239 (D)	
6/8/2017	179 (D)	
7/17/2017	180 (D)	
7/27/2017	190 (D)	
8/9/2017	153 (D)	
9/29/2017	173 (D)	
3/16/2018	150	
9/14/2018	165	
3/14/2019	154	
9/10/2019	181	
3/9/2020		173
9/16/2020		156

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-39Z	GWA-39Z
3/14/2016	106	
5/11/2016	58	
7/19/2016	46	
9/15/2016	41	
11/2/2016	37	
1/18/2017	29	
3/28/2017	40	
9/26/2017	107	
3/14/2018	126	
9/12/2018	134	
3/15/2019	107	
9/9/2019	93	
3/9/2020		58
9/10/2020		16

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-40	GWA-40
3/15/2016	107	
5/11/2016	80	
7/21/2016	76	
9/19/2016	108	
11/3/2016	90	
1/17/2017	128	
3/24/2017	91	
5/24/2017	152	
9/26/2017	103	
3/14/2018	123	
9/12/2018	105	
3/13/2019	130	
9/9/2019	108	
3/9/2020		131
9/11/2020		102

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41	GWA-41
3/15/2016	110	
5/12/2016	49	
7/20/2016	72	
9/15/2016	18 (J)	
11/3/2016	70	
1/18/2017	63	
3/24/2017	63	
6/6/2017	128	
9/25/2017	109	
3/14/2018	192	
9/12/2018	82	
3/14/2019	119	
9/10/2019	36	
3/6/2020		137
9/10/2020		35

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R	GWA-41R
3/15/2016	78	
5/13/2016	178	
7/21/2016	168	
9/21/2016	123	
11/3/2016	157	
1/17/2017	170	
3/27/2017	158	
6/6/2017	212	
9/25/2017	145	
3/14/2018	210	
9/12/2018	159	
3/14/2019	157	
9/10/2019	113	
3/9/2020		249
9/10/2020		111

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-42	GWA-42
3/11/2016	139	
5/16/2016	112	
7/22/2016	136	
9/19/2016	121	
11/3/2016	132	
1/17/2017	150	
3/27/2017	148	
6/7/2017	181	
9/26/2017	113	
3/14/2018	134	
9/14/2018	139	
3/14/2019	157	
9/10/2019	105	
3/6/2020		143
9/10/2020		120

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:49 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43	GWA-43
3/11/2016	69	
5/13/2016	88	
7/19/2016	56	
9/16/2016	31	
11/2/2016	48	
1/18/2017	44	
3/28/2017	<35	
6/6/2017	36	
9/22/2017	41	
3/14/2018	<35	
9/12/2018	<35	
3/13/2019	31	
9/11/2019	21	
3/9/2020		51
9/11/2020		31

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43R	GWA-43R
3/11/2016	144	
5/13/2016	142	
7/19/2016	135	
9/16/2016	144	
11/2/2016	152	
1/18/2017	125	
3/28/2017	109	
6/6/2017	154	
9/22/2017	157	
3/15/2018	117	
9/12/2018	151	
3/13/2019	152	
9/11/2019	151	
3/9/2020		174
9/14/2020		146

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-44	GWC-44
3/16/2016	<36	
5/16/2016	35	
7/25/2016	24 (J)	
9/19/2016	19 (J)	
11/3/2016	34	
1/19/2017	13 (J)	
3/28/2017	<36	
6/5/2017	206	
7/20/2017	72	
9/26/2017	35	
3/15/2018	41	
9/12/2018	<36	
3/14/2019	110	
9/11/2019	58	
3/10/2020		127
9/15/2020		56

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<10	
5/16/2016	<10	
7/25/2016	16 (J)	
9/19/2016	12 (J)	
11/4/2016	13 (J)	
1/23/2017	15 (J)	
3/29/2017	<10	
6/7/2017	26	
9/27/2017	<10	
3/15/2018	<10	
9/13/2018	<10	
3/14/2019	39 (X)	
9/11/2019	<10	
3/10/2020		60
9/11/2020		11

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45R	GWC-45R
3/16/2016	89	
5/16/2016	169	
7/25/2016	159	
9/19/2016	152	
11/3/2016	150	
1/20/2017	152	
3/29/2017	143	
6/7/2017	192	
9/27/2017	159	
3/15/2018	146	
9/13/2018	185	
3/14/2019	195	
9/11/2019	172	
3/10/2020		245
9/11/2020		146

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-46R
3/10/2016	253	
5/17/2016	251	
7/26/2016	249	
9/20/2016	195	
11/4/2016	209	
1/20/2017	211	
3/28/2017	199	
6/7/2017	251	
9/29/2017	255	
3/15/2018	231	
9/13/2018	263	
3/18/2019	251	
9/11/2019	234	
3/10/2020		273
9/14/2020		232

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47	GWC-47
3/10/2016	152	
5/18/2016	123	
7/27/2016	113	
9/20/2016	126	
11/7/2016	167	
1/23/2017	125	
3/29/2017	116	
6/8/2017	131	
9/27/2017	117	
3/15/2018	102	
9/13/2018	144	
3/15/2019	125	
9/12/2019	121	
3/9/2020		147
9/14/2020		129

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-47R	GWC-47R
3/10/2016	149	
5/18/2016	162	
7/27/2016	132	
9/20/2016	155	
11/4/2016	169	
1/20/2017	135	
3/29/2017	147	
6/8/2017	159	
9/27/2017	167	
3/16/2018	141	
9/13/2018	175	
3/19/2019	154	
9/11/2019	164	
3/9/2020		44
9/15/2020		108

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWC-48
3/10/2016	63	
5/17/2016	<31	
7/27/2016	11 (J)	
9/20/2016	14 (J)	
11/4/2016	27	
1/23/2017	15 (J)	
3/28/2017	<31	
6/8/2017	29	
9/29/2017	21 (J)	
3/15/2018	<31	
9/13/2018	<31	
3/15/2019	41	
9/11/2019	20	
3/9/2020		100
9/14/2020		47

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49R	GWC-49R
3/17/2016	103	
5/18/2016	129	
7/27/2016	108	
9/21/2016	102	
11/4/2016	130	
1/24/2017	152	
3/29/2017	95	
6/8/2017	176	
9/29/2017	118	
3/15/2018	88	
9/13/2018	137	
3/18/2019	170	
9/11/2019	138	
3/11/2020		125
9/11/2020		127

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 10/30/2020 3:50 PM View: CCR PLs
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-49Z	GWC-49Z
3/17/2016	31	
5/18/2016	43	
7/28/2016	43	
9/21/2016	<25	
11/7/2016	50	
1/24/2017	63	
3/30/2017	<25	
6/9/2017	20 (J)	
9/29/2017	22 (J)	
3/15/2018	<25	
9/14/2018	29	
3/19/2019	35	
9/11/2019	27	
3/9/2020		51
9/14/2020		25

FIGURE K.

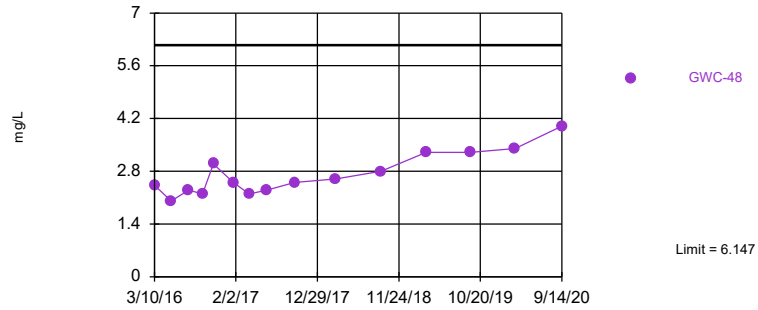
Federal Interwell Prediction Limit Summary - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 3:52 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-48	6.147	n/a	9/14/2020	4	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-48	14.31	n/a	9/14/2020	5.4	No	121	1.48	0.4911	4.959	None	x^(1/3)	0.0008358	Param Inter 1 of 2

Within Limit

Prediction Limit Interwell Non-parametric



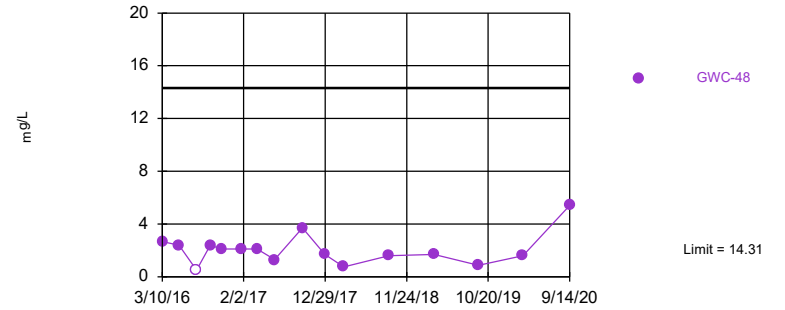
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 121 background values. Annual per-constituent alpha = 0.002391. Individual comparison alpha = 0.000133 (1 of 2). Assumes 8 future values.

Constituent: Chloride Analysis Run 10/30/2020 3:51 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=1.48, Std. Dev.=0.4911, n=121, 4.959% NDs. Normality test: Chi Squared @alpha = 0.01, calculated = 13.63, critical = 14.07. Kappa = 1.93 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0008358. Assumes 8 future values.

Constituent: Sulfate Analysis Run 10/30/2020 3:51 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 3:52 PM View: Trend Tests - CCR

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWA-43 (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-39RZ (bg)
3/10/2016	2.4266								
3/11/2016		1.2562	2.4984	1.9467					
3/14/2016					1.795				
3/15/2016						4.1666	1.1671	6.1465	
5/11/2016					2.04		0.8763		
5/12/2016						1.78			
5/13/2016		1.32		2.14				3.08	
5/16/2016			2.22						1.74 (D)
5/17/2016	2.01								
7/19/2016		1.3		3.1	2.1				
7/20/2016						1.8			
7/21/2016							1.4	3.7	
7/22/2016			2.6						
7/27/2016	2.3								2.1 (D)
9/15/2016					1.7	1.4			
9/16/2016		1.2		3.5					
9/19/2016			2.5				1.1		
9/20/2016	2.2								
9/21/2016								2.4	
11/2/2016		1.4		4.7	1.8				
11/3/2016			3			1.6	1.2	3.4	
11/4/2016	3								
1/17/2017			2.9				1	1.9	
1/18/2017		1.2		4.9	1.7	1.5			
1/23/2017	2.5								
2/21/2017									4 (D)
3/24/2017						1.4	1.2		
3/27/2017			3					2.4	2.6 (D)
3/28/2017	2.2	1.4		4.1	1.3				
5/24/2017							1.5		
6/6/2017		1.4		3.6		2.8		4.5	
6/7/2017			3		1.2				
6/8/2017	2.3								2.1 (D)
7/17/2017									1.9 (D)
7/27/2017									3 (D)
8/9/2017									2.5 (D)
9/22/2017		1.3		3.9					
9/25/2017						1.8		2.5	
9/26/2017			3.1		1.7		2.4		
9/29/2017	2.5								2.7 (D)
12/28/2017							3.9 (Y)		
3/14/2018		1.3	3.2		1.4	3	2.4	4 (J)	
3/15/2018	2.6			2.8					
3/16/2018									2.6
9/12/2018		1.3		3.1	1.6	1.4	1	2.1	
9/13/2018	2.8								
9/14/2018			2.3						1.9
3/13/2019		1.6		2.9			2.2		
3/14/2019			3.6			2.6		2.9	2.8
3/15/2019	3.3				1.7				
9/9/2019					1.2		0.83 (X)		
9/10/2019			2			1.1		1.7	2.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 3:52 PM View: Trend Tests - CCR

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-48	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-39RZ (bg)
3/10/2016	2.6569								
3/11/2016		1.4538	1.1313	3.8282					
3/14/2016					4.2598				
3/15/2016						4.9347	6.4987	1.2104	
5/11/2016					6.05			1.28	
5/12/2016						2.3			
5/13/2016			1.96	3.56			3.68		
5/16/2016		1.18							2.4 (D)
5/17/2016	2.39								
7/19/2016			1.3	5.6	9.5				
7/20/2016						2			
7/21/2016							4.5	0.91 (J)	
7/22/2016		1.8							
7/27/2016	<1 (*)								3.6 (D)
9/15/2016					6.7	1.1			
9/16/2016			1.1	6.7					
9/19/2016		1.4						1.3	
9/20/2016	2.4								
9/21/2016							2.8		
11/2/2016			1.2	8.1	5.4				
11/3/2016		1.6				1.6	6.7	1.5	
11/4/2016	2.1								
1/17/2017		<1 (*)					<1 (*)	<1 (*)	
1/18/2017			0.84 (J)	8.9	5.5	1.5			
1/23/2017	2.1								
2/21/2017									26 (D)
3/24/2017						1.6		0.86 (J)	
3/27/2017		2					0.85 (J)		10 (D)
3/28/2017	2.1		0.7 (J)	8.2	2.9				
5/24/2017								1.2	
6/6/2017			0.47 (J)	7		4.1	6.1		
6/7/2017		1.9			2.3				
6/8/2017	1.3								6.7 (D)
7/17/2017									6.4 (D)
7/27/2017									18 (D)
8/9/2017									18 (D)
9/22/2017			0.59 (J)	8.3					
9/25/2017						1.9	3.5		
9/26/2017		2			3.2			4.2	
9/29/2017	3.7								21 (D)
12/28/2017	1.7 (Y)							7.4 (Y)	
3/14/2018		2.1	0.39 (J)		3.8	11.5	10.9 (J)	3.8	
3/15/2018	0.76 (J)			5.1					
3/16/2018									15.5
9/12/2018			0.3 (J)	5.6	3.7	1.8	3.7	1.7	
9/13/2018	1.6								
9/14/2018		1.6							11.6
3/13/2019			0.43 (X)	4.4				2.1	
3/14/2019		2.2				6.2	8.9		9.3
3/15/2019	1.7				3				
9/9/2019					2.4			1.6	
9/10/2019		1.2				1.2	8.4		14

FIGURE L.

Federal Interwell Prediction Limit Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 4:06 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	GWC-44	7.89	5.5	9/15/2020	4.46	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-45	7.89	5.5	9/11/2020	4.91	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-48	7.89	5.5	9/14/2020	5	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-49R	7.89	5.5	9/11/2020	8	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-49Z	7.89	5.5	9/14/2020	5.32	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2

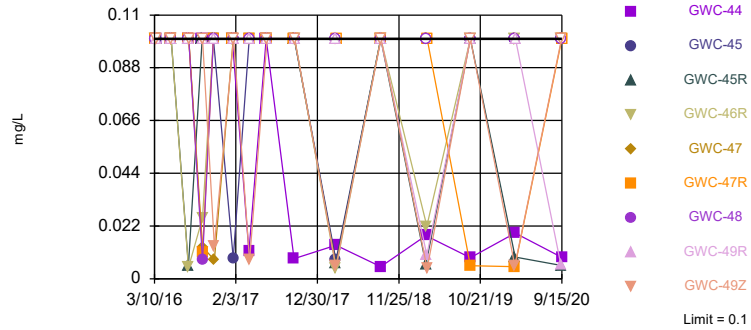
Federal Interwell Prediction Limit Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 4:06 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-44	0.1	n/a	9/15/2020	0.0089J	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-45	0.1	n/a	9/11/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-45R	0.1	n/a	9/11/2020	0.0056J	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-46R	0.1	n/a	9/14/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-47	0.1	n/a	9/14/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-47R	0.1	n/a	9/15/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-48	0.1	n/a	9/14/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-49R	0.1	n/a	9/11/2020	0.0057J	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-49Z	0.1	n/a	9/14/2020	0.1ND	No	120	n/a	n/a	62.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-44	0.3	n/a	9/15/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-45	0.3	n/a	9/11/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-45R	0.3	n/a	9/11/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-46R	0.3	n/a	9/14/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-47	0.3	n/a	9/14/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-47R	0.3	n/a	9/15/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-48	0.3	n/a	9/14/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-49R	0.3	n/a	9/11/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-49Z	0.3	n/a	9/14/2020	0.3ND	No	120	n/a	n/a	57.5	n/a	n/a	0.0001347	NP Inter (NDs) 1 of 2
pH (SU)	GWC-44	7.89	5.5	9/15/2020	4.46	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-45	7.89	5.5	9/11/2020	4.91	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-45R	7.89	5.5	9/11/2020	7.26	No	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-46R	7.89	5.5	9/14/2020	7.43	No	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-47	7.89	5.5	9/14/2020	7.54	No	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-47R	7.89	5.5	9/15/2020	7.64	No	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-48	7.89	5.5	9/14/2020	5	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-49R	7.89	5.5	9/11/2020	8	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2
pH (SU)	GWC-49Z	7.89	5.5	9/14/2020	5.32	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

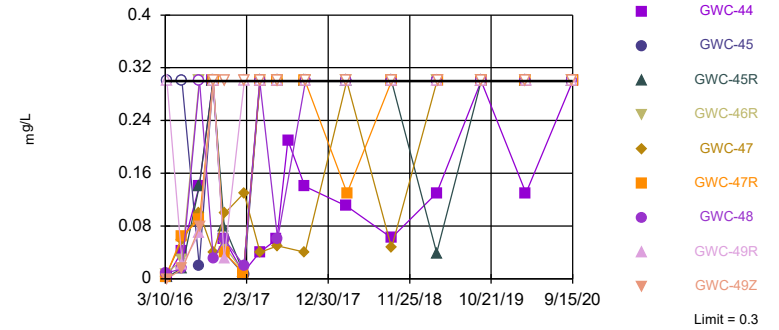


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 120 background values. 62.5% NDs. Annual per-constituent alpha = 0.002422. Individual comparison alpha = 0.0001347 (1 of 2). Comparing 9 points to limit.

Constituent: Boron Analysis Run 10/30/2020 4:04 PM View: CCR PL's Interwell
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Within Limit

Prediction Limit
Interwell Non-parametric

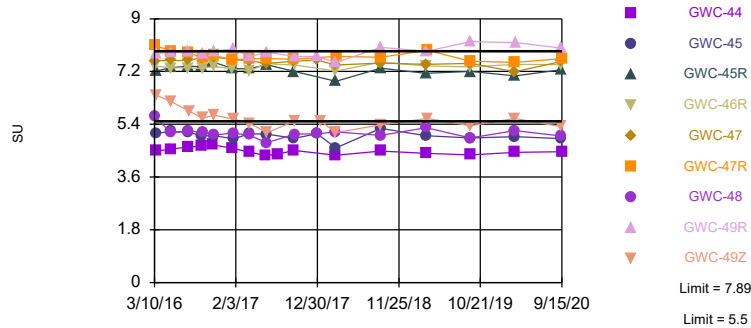


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 120 background values. 57.5% NDs. Annual per-constituent alpha = 0.002422. Individual comparison alpha = 0.0001347 (1 of 2). Comparing 9 points to limit.

Constituent: Fluoride Analysis Run 10/30/2020 4:04 PM View: CCR PL's Interwell
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Exceeds Limits: GWC-44, GWC-45, GWC-48, GWC-49R, GWC-49Z

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 125 background values. Annual per-constituent alpha = 0.004528. Individual comparison alpha = 0.0002518 (1 of 2). Comparing 9 points to limit.

Constituent: pH Analysis Run 10/30/2020 4:04 PM View: CCR PL's Interwell
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/30/2020 4:06 PM View: CCR PL's Interwell
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-41R (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44	GWC-49R	GWC-49Z	GWA-39RZ (bg)
3/10/2016								
3/11/2016								
3/14/2016								
3/15/2016	<0.1	<0.1						
3/16/2016			<0.1	<0.1	<0.1			
3/17/2016						<0.1	<0.1	
5/11/2016		<0.1						
5/12/2016								
5/13/2016	<0.1							
5/16/2016			<0.1	<0.1	<0.1			<0.1 (D)
5/17/2016								
5/18/2016						<0.1	<0.1	
7/19/2016								
7/20/2016								
7/21/2016	<0.1 (*)	<0.1						
7/22/2016								
7/25/2016			0.0054 (J)	<0.1	<0.1			
7/26/2016								
7/27/2016						<0.1 (*)		<0.1 (*)
7/28/2016							<0.1 (*)	
9/15/2016		<0.1						
9/16/2016								
9/19/2016			<0.1	<0.1	<0.1			
9/20/2016								
9/21/2016	<0.1 (*)					<0.1 (*)	<0.1 (*)	
11/2/2016								
11/3/2016	<0.1	<0.1 (*)	<0.1		<0.1			
11/4/2016				<0.1		<0.1		
11/7/2016							0.0138 (J)	
1/17/2017	<0.1	<0.1						
1/18/2017								
1/19/2017					<0.1			
1/20/2017			<0.1					
1/23/2017				0.0086 (J)				
1/24/2017						<0.1	<0.1	
2/21/2017								0.0218 (JD)
3/24/2017		<0.1						
3/27/2017	0.0173 (J)							0.0262 (JD)
3/28/2017					0.0113 (J)			
3/29/2017			<0.1	<0.1		<0.1		
3/30/2017							0.0077 (J)	
5/24/2017		<0.1						
6/5/2017					<0.1 (*)			
6/6/2017	<0.1 (*)							
6/7/2017			<0.1 (*)	<0.1 (*)				
6/8/2017						<0.1		0.0067 (JD)
6/9/2017							<0.1	
7/17/2017								0.0165 (JD)
7/27/2017								0.0138 (JD)
8/9/2017								0.0069 (JD)
9/22/2017								
9/25/2017	0.0141 (J)							

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/30/2020 4:06 PM View: CCR PL's Interwell

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-46R	GWC-48	GWC-47R	GWC-47	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)
3/10/2016	0.00697 (J)	0.00797 (J)	0.00202 (J)	0.00337 (J)					
3/11/2016					0.0141 (J)	0.0329 (J)	0.0296 (J)		
3/14/2016								0.0657 (J)	
3/15/2016									0.0285 (J)
3/16/2016									
3/17/2016									
5/11/2016								0.0401 (J)	
5/12/2016									0.022 (J)
5/13/2016					0.0141 (J)	0.0459 (J)			
5/16/2016							0.0287 (J)		
5/17/2016	0.0281 (J)	0.0156 (J)							
5/18/2016			0.065 (J)	0.059 (J)					
7/19/2016					<0.3	<0.3		<0.3	
7/20/2016									<0.3
7/21/2016									
7/22/2016							0.04 (J)		
7/25/2016									
7/26/2016	<0.3								
7/27/2016		<0.3	0.09 (J)	0.1 (J)					
7/28/2016									
9/15/2016								<0.3	<0.3
9/16/2016					<0.3	<0.3			
9/19/2016							<0.3		
9/20/2016	<0.3	0.03 (J)	<0.3	0.04 (J)					
9/21/2016									
11/2/2016					0.04 (J)	0.04 (J)		0.04 (J)	
11/3/2016							0.04 (J)		0.05 (J)
11/4/2016	0.05 (J)	0.06 (J)	0.04 (J)						
11/7/2016				0.1 (J)					
1/17/2017							0.02 (J)		
1/18/2017					0.02 (J)	<0.3		0.03 (J)	0.02 (J)
1/19/2017									
1/20/2017	0.01 (J)		0.009 (J)						
1/23/2017		0.02 (J)		0.13 (J)					
1/24/2017									
2/21/2017									
3/24/2017									<0.3
3/27/2017							<0.3		
3/28/2017	<0.3	<0.3			<0.3	<0.3		0.06 (J)	
3/29/2017			<0.3	0.04 (J)					
3/30/2017									
5/24/2017									
6/5/2017									
6/6/2017					<0.3	<0.3			<0.3
6/7/2017	<0.3						<0.3	0.06 (J)	
6/8/2017		0.06 (J)	<0.3 (*)	0.05 (J)					
6/9/2017									
7/17/2017									
7/20/2017									
7/27/2017									
8/9/2017									
9/22/2017					<0.3	<0.3			

FIGURE M.

Federal Trend Test Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 4:21 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-39Z (bg)	-0.1592	-61	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-48	0.3483	71	53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41R (bg)	-0.1329	-73	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43 (bg)	-0.2467	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWC-49Z	-0.1426	-64	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.176	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.2541	-64	-53	Yes	15	20	n/a	n/a	0.01	NP

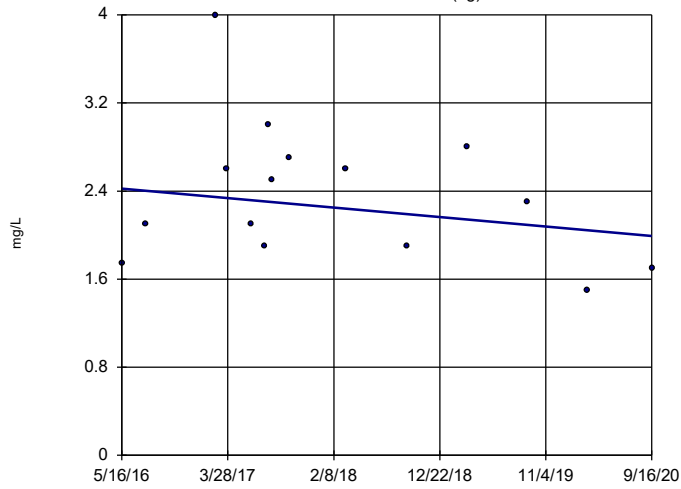
Federal Trend Test Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 10/30/2020, 4:21 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-39RZ (bg)	-0.09959	-16	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-39Z (bg)	-0.1592	-61	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-40 (bg)	0.04182	8	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-41 (bg)	-0.1338	-37	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-41R (bg)	-0.4654	-50	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-42 (bg)	0.05775	13	53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-43 (bg)	0	2	53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-43R (bg)	0	-2	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-48	0.3483	71	53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-39RZ (bg)	-0.01609	-24	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-39Z (bg)	-0.007131	-2	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWA-40 (bg)	-0.03733	-29	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41 (bg)	-0.002307	-2	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41R (bg)	-0.1329	-73	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-42 (bg)	0	2	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43 (bg)	-0.2467	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43R (bg)	-0.02289	-38	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-44	-0.0428	-41	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-45	-0.03854	-41	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-48	-0.03368	-29	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-49R	0.04661	32	58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-49Z	-0.1426	-64	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-39RZ (bg)	0.6079	4	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-39Z (bg)	-1.176	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-40 (bg)	0.1208	26	58	No	16	6.25	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-41 (bg)	0.03349	6	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-41R (bg)	0.8012	27	53	No	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-42 (bg)	0.08663	15	53	No	15	6.667	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-43 (bg)	-0.2541	-64	-53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-43R (bg)	-0.3022	-12	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-48	-0.2054	-27	-58	No	16	6.25	n/a	n/a	0.01	NP

Sen's Slope Estimator

GWA-39RZ (bg)

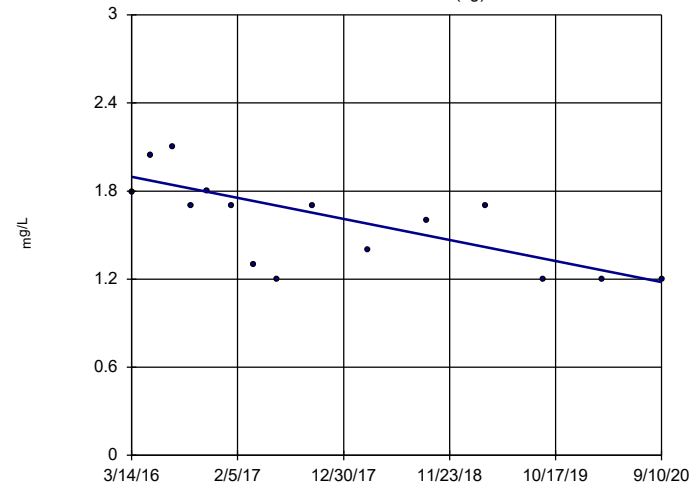


n = 15
 Slope = -0.09959
 units per year.
 Mann-Kendall
 statistic = -16
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-39Z (bg)

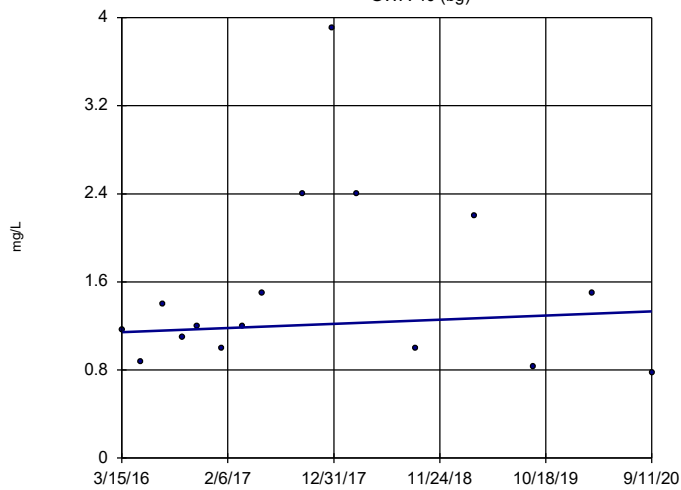


n = 15
 Slope = -0.1592
 units per year.
 Mann-Kendall
 statistic = -61
 critical = -53
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-40 (bg)

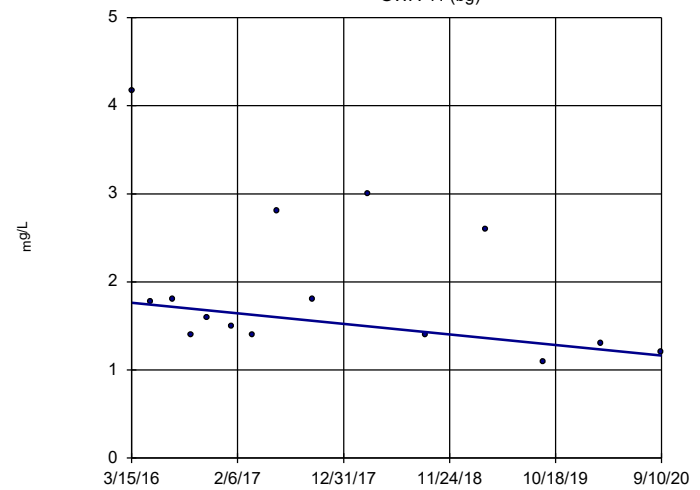


n = 16
 Slope = 0.04182
 units per year.
 Mann-Kendall
 statistic = 8
 critical = 58
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41 (bg)

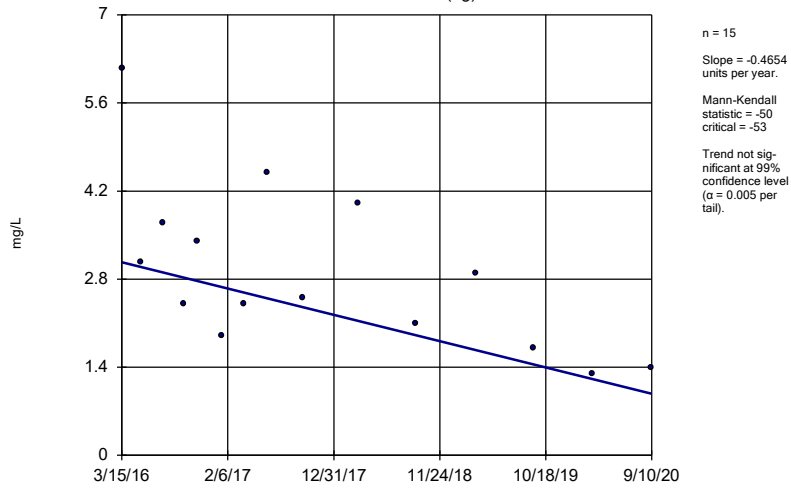


n = 15
 Slope = -0.1338
 units per year.
 Mann-Kendall
 statistic = -37
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

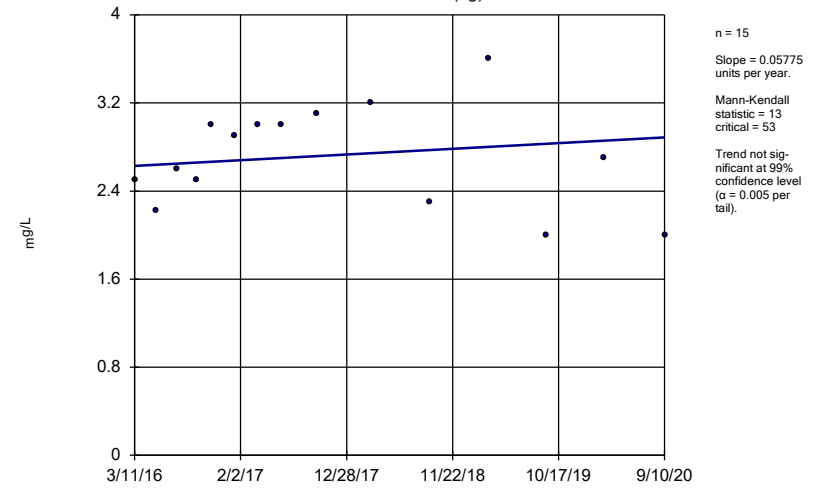
GWA-41R (bg)



Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

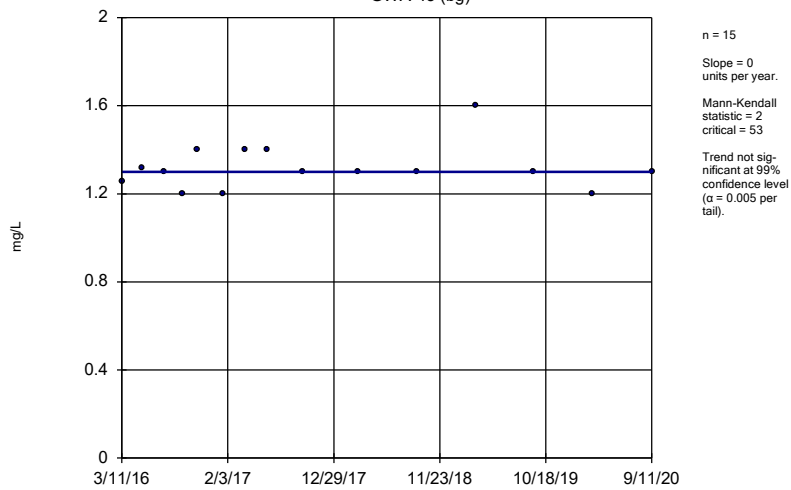
GWA-42 (bg)



Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

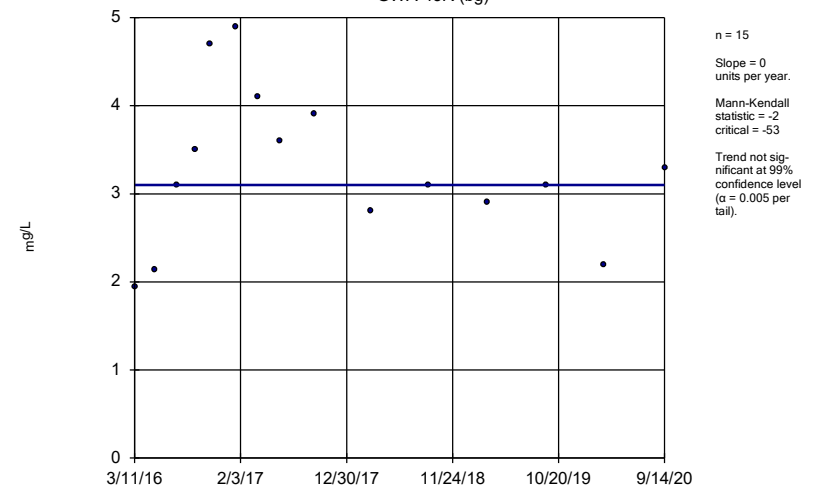
GWA-43 (bg)



Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

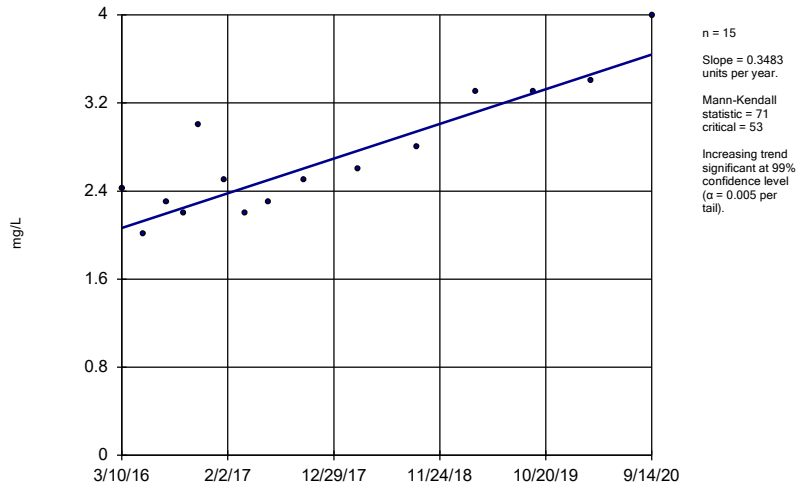
Sen's Slope Estimator

GWA-43R (bg)



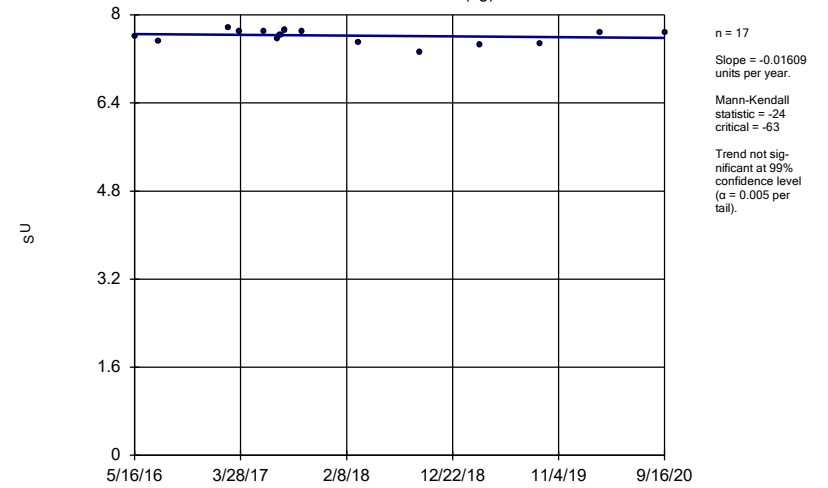
Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
GWC-48



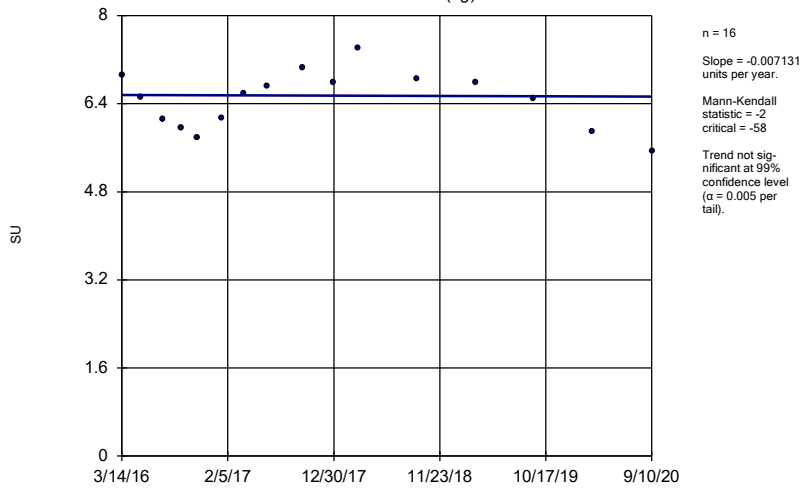
Constituent: Chloride Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
GWA-39RZ (bg)



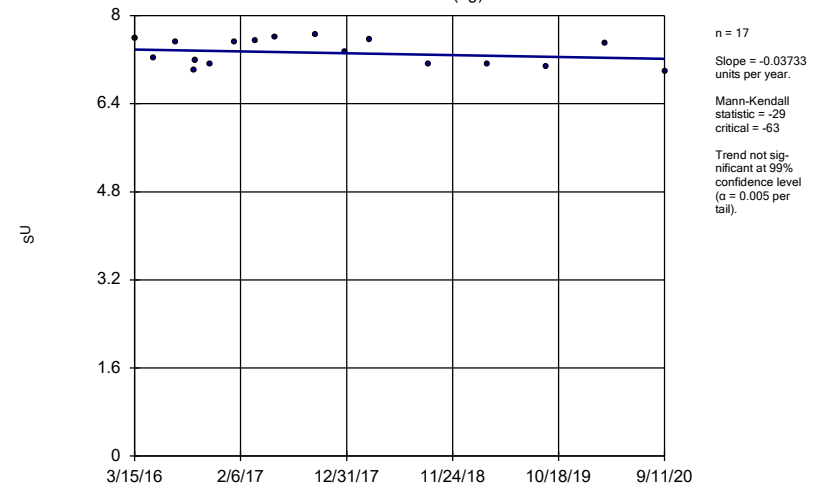
Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
GWA-39Z (bg)



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

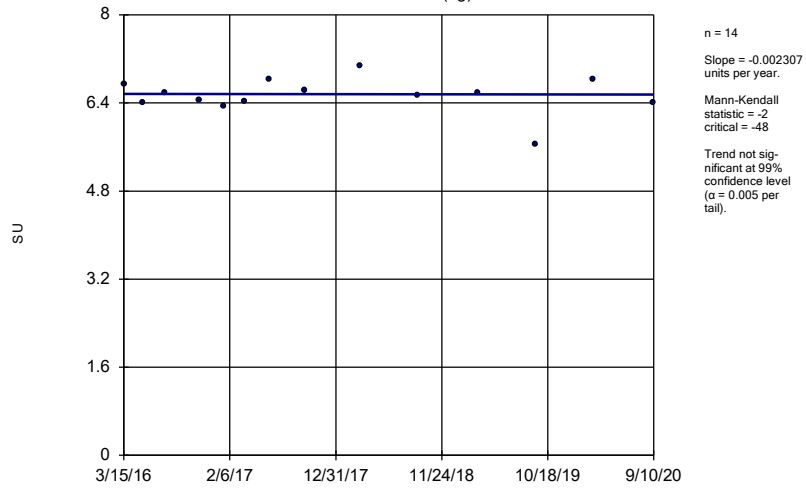
Sen's Slope Estimator
GWA-40 (bg)



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41 (bg)



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

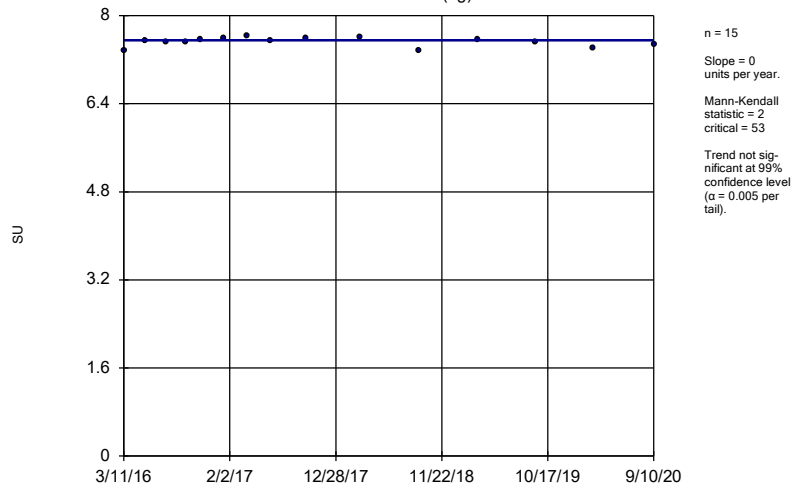
GWA-41R (bg)



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

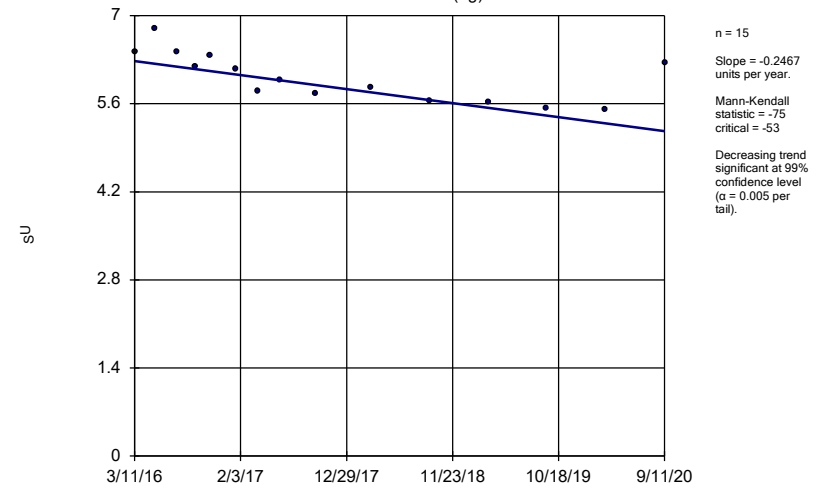
GWA-42 (bg)



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

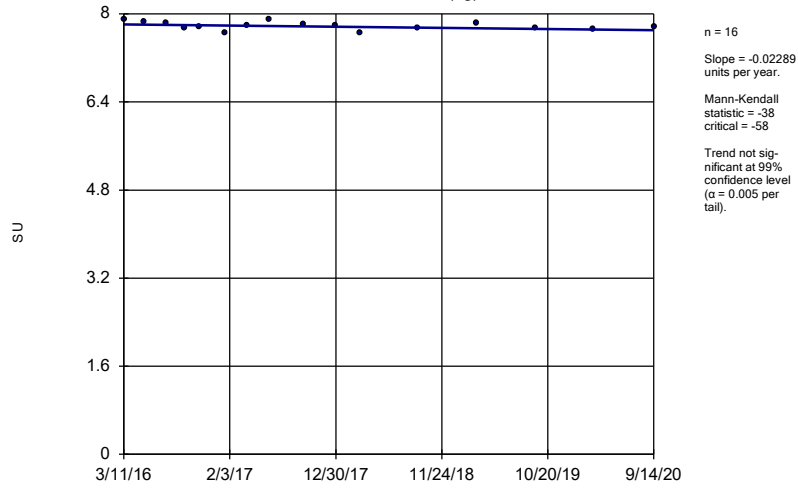
GWA-43 (bg)



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

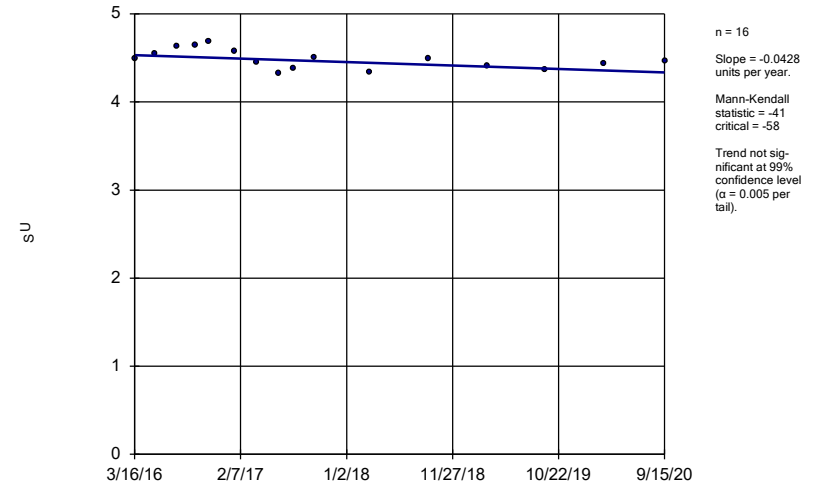
GWA-43R (bg)



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

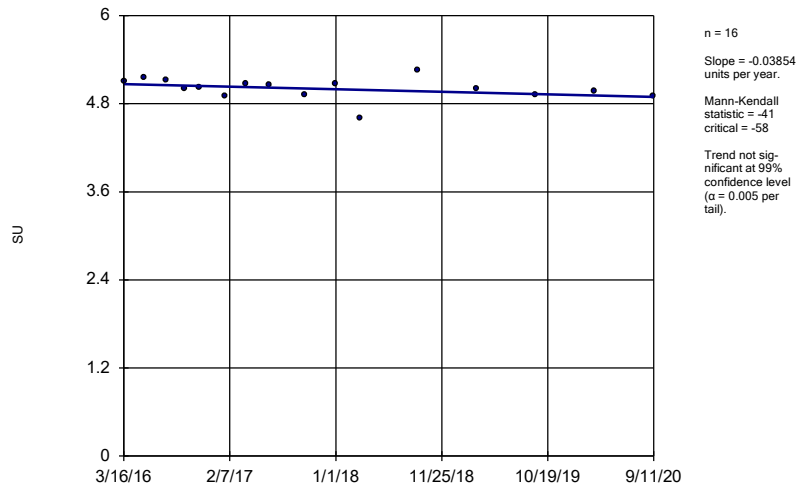
GWC-44



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

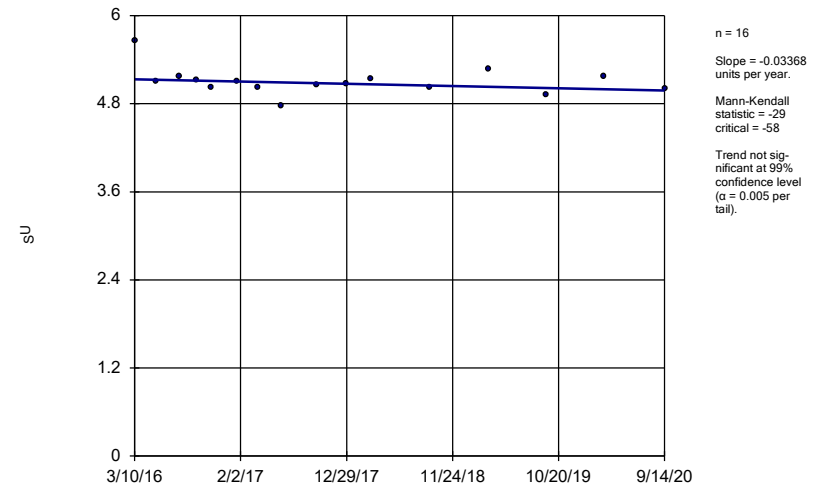
GWC-45



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

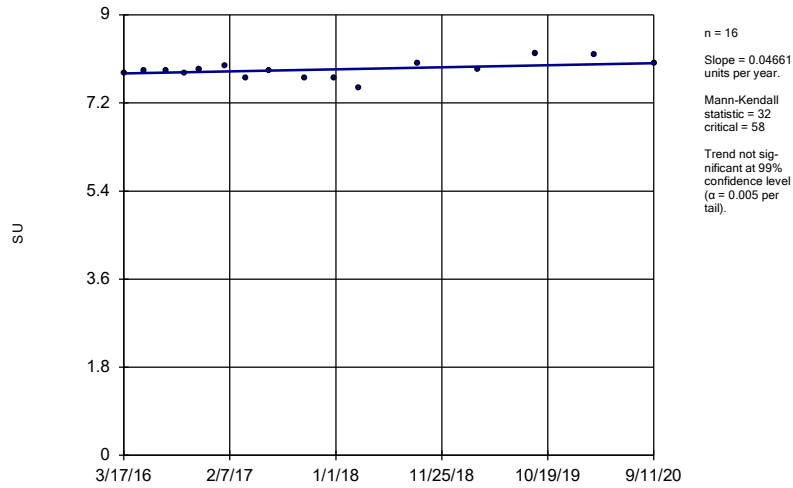
GWC-48



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

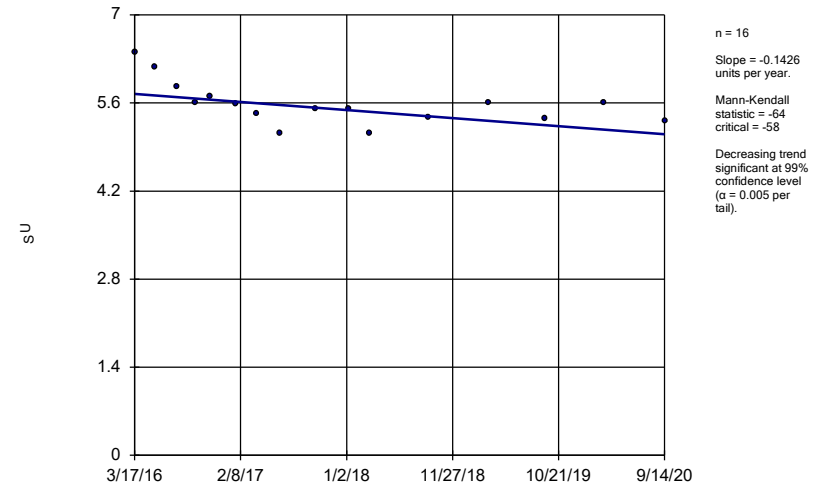
GWC-49R



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

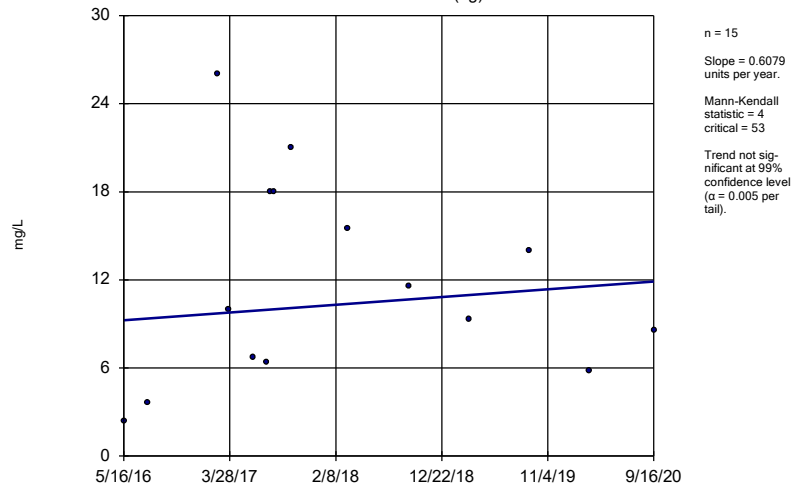
GWC-49Z



Constituent: pH Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

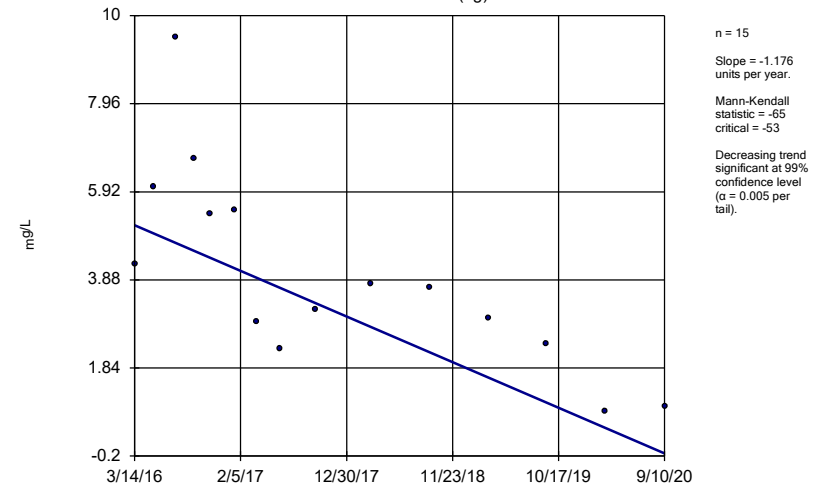
GWA-39RZ (bg)



Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

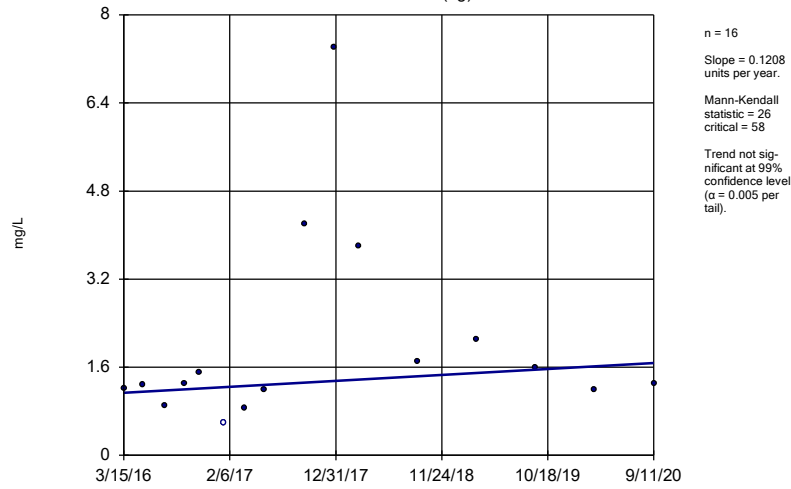
Sen's Slope Estimator

GWA-39Z (bg)



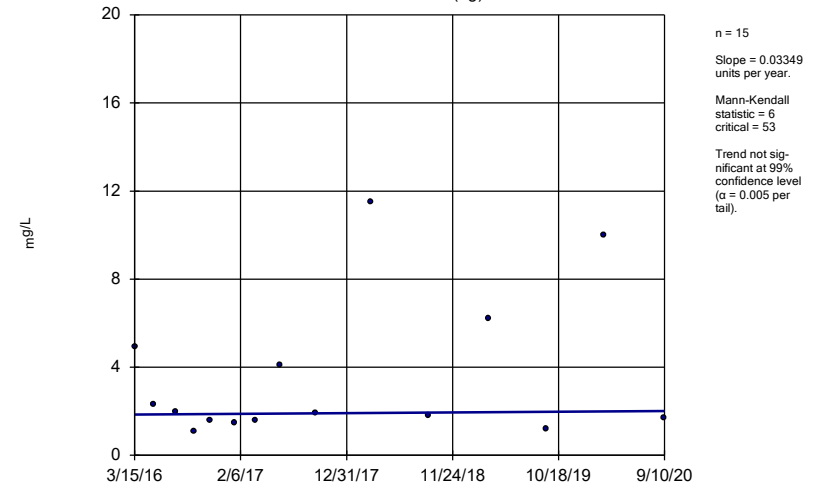
Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
 GWA-40 (bg)



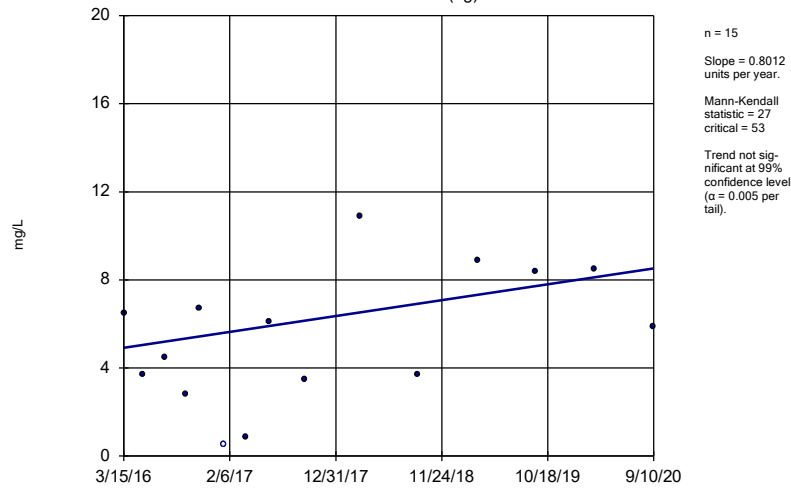
Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
 GWA-41 (bg)



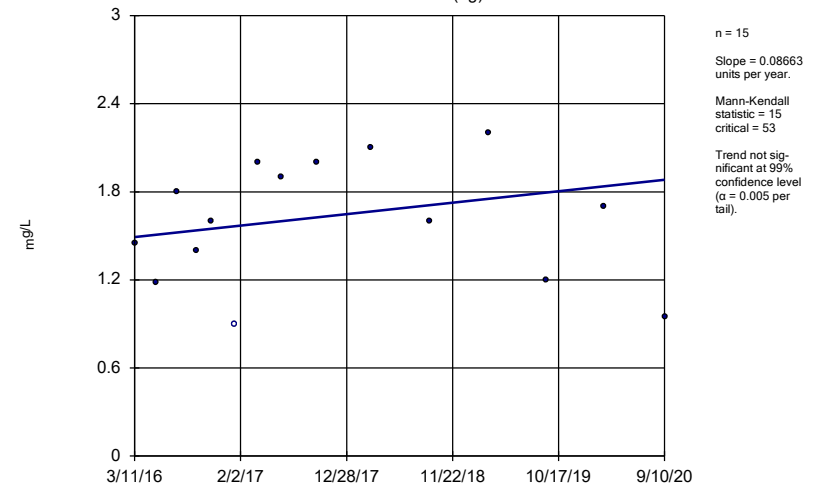
Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator
 GWA-41R (bg)



Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

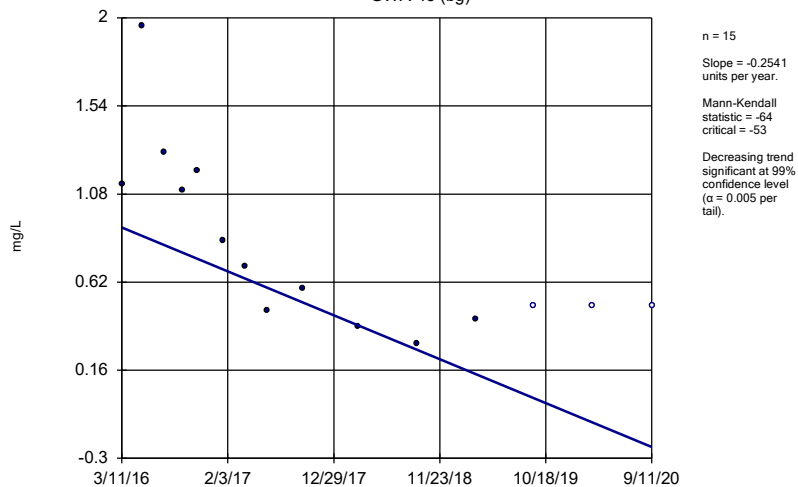
Sen's Slope Estimator
 GWA-42 (bg)



Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

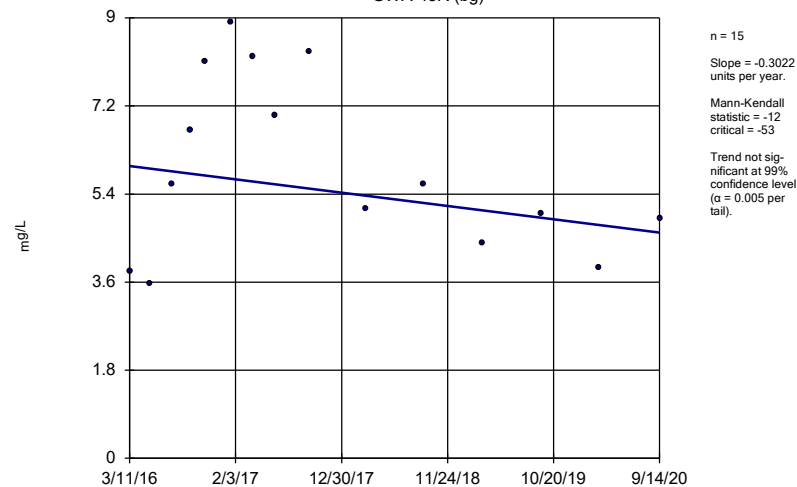
GWA-43 (bg)



Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

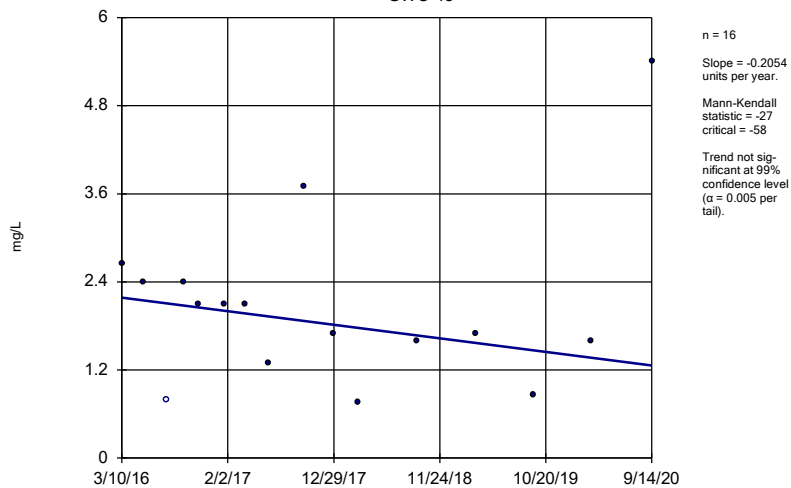
GWA-43R (bg)



Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWC-48



Constituent: Sulfate Analysis Run 10/30/2020 4:20 PM View: Trend Tests - CCR
 Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

FIGURE N.

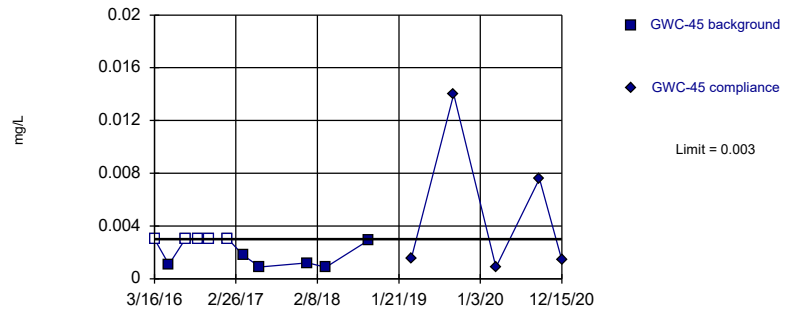
State Overburden Intrawell Prediction Limits (Resample)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 1/26/2021, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-45	0.003	n/a	12/15/2020	0.0014J	No	11	n/a	n/a	45.45	n/a	n/a	0.002806	NP Intra (normality) 1 of 3

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Antimony Analysis Run 1/26/2021 2:00 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 1/26/2021 2:02 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWC-45	GWC-45
3/16/2016	<0.003	
5/16/2016	0.00109 (J)	
7/25/2016	<0.003 (*)	
9/19/2016	<0.003	
11/4/2016	<0.003	
1/23/2017	<0.003	
3/29/2017	0.0018 (J)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0111 (o)	
12/29/2017	0.0012 (Y)	
3/15/2018	0.00086 (J)	
9/13/2018	0.0029 (J)	
3/14/2019		0.0015 (J)
9/11/2019		0.014
3/10/2020		0.00087 (J)
9/11/2020		0.0076
12/15/2020		0.0014 (J)

FIGURE 0.

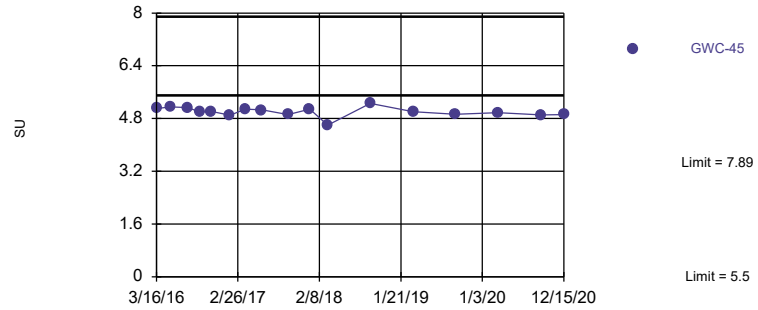
Federal Interwell Prediction Limits (Resample)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 1/26/2021, 2:11 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	GWC-45	7.89	5.5	12/15/2020	4.92	Yes	125	n/a	n/a	0	n/a	n/a	0.0002518	NP Inter (normality) 1 of 2

Exceeds Limits: GWC-45

Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 125 background values. Annual per-constituent alpha = 0.004528. Individual comparison alpha = 0.0002518 (1 of 2). Assumes 8 future values.

Constituent: pH Analysis Run 1/26/2021 2:11 PM
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Prediction Limit

Constituent: pH (SU) Analysis Run 1/26/2021 2:11 PM

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

	GWA-43 (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWC-45	GWA-39RZ (bg)
3/11/2016	6.43	7.37	7.89						
3/14/2016				6.91					
3/15/2016					6.74	7.15	7.58		
3/16/2016								5.1	
5/11/2016				6.51			7.24		
5/12/2016					6.41				
5/13/2016	6.8		7.86			7.29			
5/16/2016		7.55						5.15	7.61 (D)
7/19/2016	6.42		7.83	6.12					
7/20/2016					6.59				
7/21/2016						7.43	7.53		
7/22/2016		7.51							
7/25/2016								5.13	
7/27/2016									7.51 (D)
9/15/2016				5.96			7		
9/16/2016	6.19		7.75						
9/19/2016		7.52					7.19	5	
9/21/2016						7.05			
11/2/2016	6.36		7.77	5.78					
11/3/2016		7.56			6.45	7.4	7.13		
11/4/2016								5.02	
1/17/2017		7.59				7.06	7.51		
1/18/2017	6.16		7.65	6.13	6.34				
1/23/2017								4.9	
2/21/2017									7.76 (D)
3/24/2017					6.42		7.55		
3/27/2017		7.63				7.13			7.7 (D)
3/28/2017	5.8		7.79	6.59					
3/29/2017								5.08	
5/24/2017							7.6		
6/6/2017	5.97		7.89		6.82	7.18			
6/7/2017		7.55		6.72				5.06	
6/8/2017									7.69 (D)
7/17/2017									7.57 (D)
7/26/2017									7.63
7/27/2017									7.63
8/8/2017									7.73
8/9/2017									7.73
9/22/2017	5.77		7.8						
9/25/2017					6.63	6.88			
9/26/2017		7.59		7.05			7.66		
9/27/2017								4.92	
9/29/2017									7.7 (D)
12/28/2017			7.78 (Y)	6.79 (Y)			7.34 (Y)		
12/29/2017								5.08 (Y)	
3/14/2018	5.85	7.6		7.42	7.08	7.04	7.56		
3/15/2018			7.66					4.6	
3/16/2018									7.49
9/12/2018	5.65		7.75	6.86	6.54	7.02	7.12		
9/13/2018								5.26	
9/14/2018		7.37							7.32
3/13/2019	5.63		7.84				7.12		

FIGURE P.

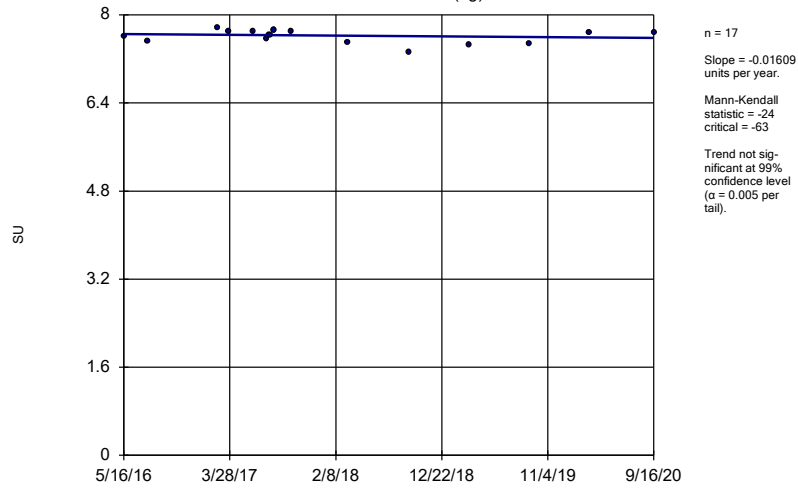
Federal Trend Test Summary (Resample)

Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR Printed 1/26/2021, 3:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
pH (SU)	GWA-39RZ (bg)	-0.01609	-24	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-39Z (bg)	-0.007131	-2	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWA-40 (bg)	-0.03733	-29	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41 (bg)	-0.002307	-2	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	GWA-41R (bg)	-0.1329	-73	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-42 (bg)	0	2	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43 (bg)	-0.2467	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-43R (bg)	-0.02289	-38	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWC-45	-0.03879	-50	-63	No	17	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

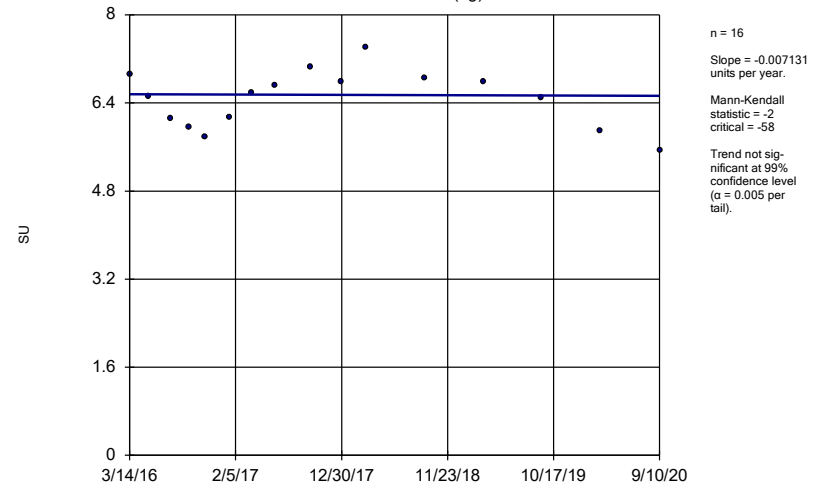
GWA-39RZ (bg)



Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

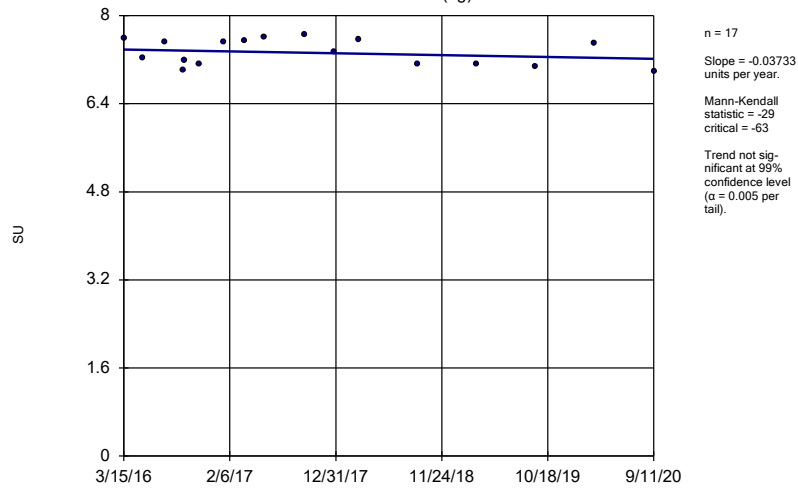
GWA-39Z (bg)



Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

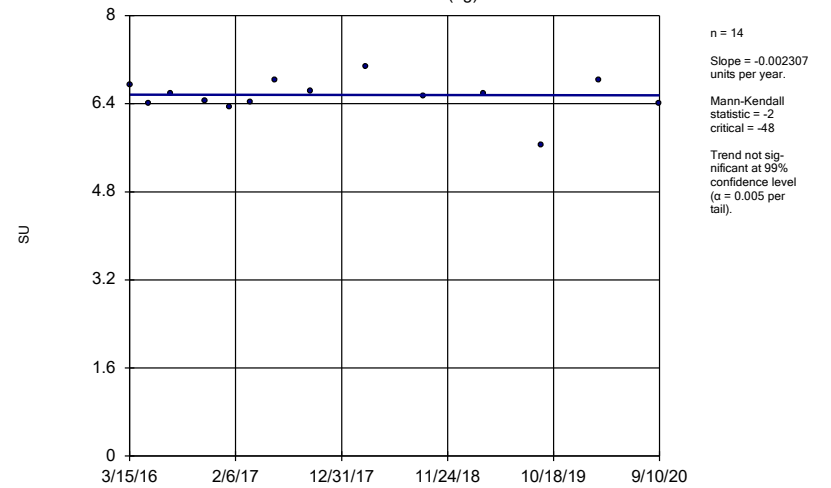
GWA-40 (bg)



Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

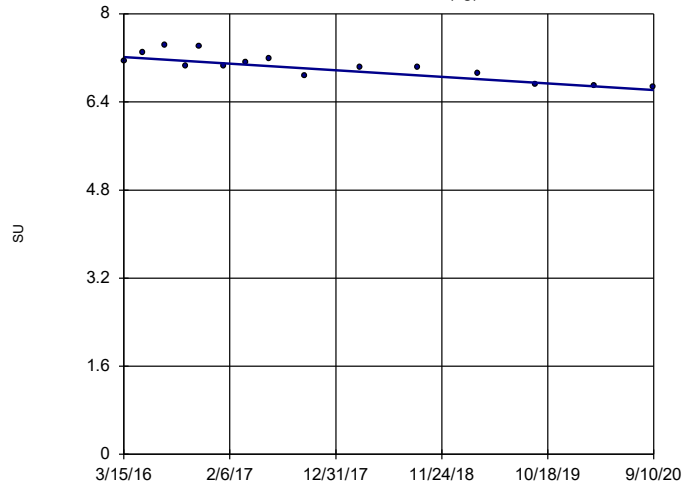
GWA-41 (bg)



Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-41R (bg)

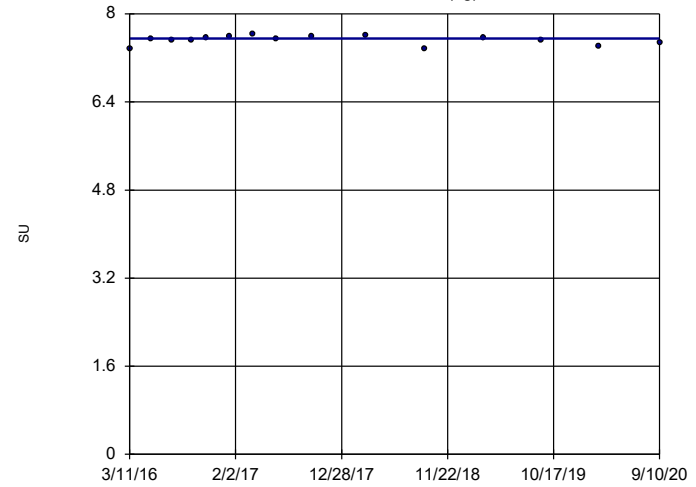


n = 15
Slope = -0.1329
units per year.
Mann-Kendall
statistic = -73
critical = -53
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-42 (bg)

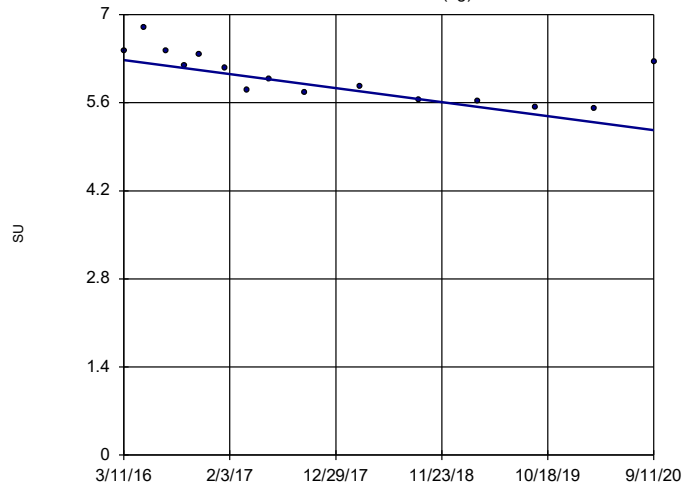


n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = 2
critical = 53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

GWA-43 (bg)

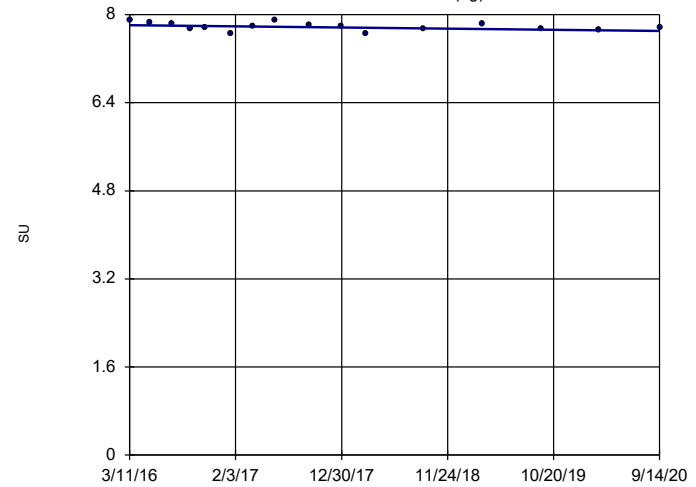


n = 15
Slope = -0.2467
units per year.
Mann-Kendall
statistic = -75
critical = -53
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator

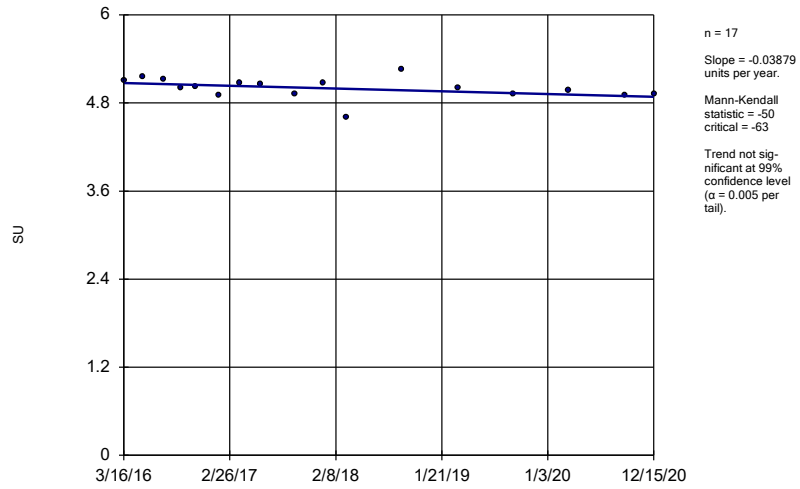
GWA-43R (bg)



n = 16
Slope = -0.02289
units per year.
Mann-Kendall
statistic = -38
critical = -58
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

Sen's Slope Estimator GWC-45



Constituent: pH Analysis Run 1/26/2021 3:38 PM View: Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 9 and 10 CCR

APPENDIX C
MEMORANDUM ON HYDROGEOLOGIC MONITORING
PROGRAM



Memo

To: Joju Abraham, P.G.
Southern Company Services, Inc.

From: Rhonda Quinn, P.G. Wood Environment & Infrastructure Solutions, Inc.

CC: Greg Wrenn, P.E. Wood Environment & Infrastructure Solutions, Inc.

Re: Solid Waste Disposal Facility Permit No. 008-018D (LI) - Hydrogeological Monitoring Program May 1, 2020 through December 5, 2020
01/27/2021

Background

Wood Environment & Infrastructure Solutions, Inc. (Wood) was retained by Southern Company Services, Inc. (SCS), to assist with the hydrogeological (water level) monitoring program at Georgia Power Company's Plant Bowen (Site) landfill cells 1 & 2, 3 & 4, 9 & 10. The work is being conducted to comply with Georgia Department of Natural Resources Environmental Protection Division (EPD) Solid Waste Permit No. 008-018D (LI) to assist with early detection of subsurface changes that might indicate land subsidence or sinkhole formation. Groundwater level fluctuations are monitored in accordance with Section 3.6.5 of the *Plant Bowen Proposed Coal Combustion By-Product Monofill Addendum I Site Acceptability Report – Hydrogeological Assessment and Demonstration of Engineering Measures* (SCS 2004).¹

The Site utilizes In-Situ[®] Instruments, Inc. Win-Situ[®] telemetry and reporting software and pressure transducers to collect and record groundwater elevations from monitoring wells located around the perimeter of the landfill cells. At Cells 1 & 2 of the solid waste landfill, transducers are deployed in six soil wells (GWA-1 (soil/rock), GWA-3, GWC-7Z, GWC-11, GWC-13, and GWC-15) and six rock wells (GWA-2R, GWC-6RZ, GWC-8RR, GWC-11R, GWC-13R, and GWC-15R). In 2015, the program was expanded to include Cells 3 & 4 where five soil wells (GWC-18, GWA-36, GWA-37, GWA-53, and GWA-55) and eight rock wells (GWC-16R, GWC-18R, GWC-21R, GWC-24R, GWC-25R, GWA-36R, GWA-53R, and GWA-55R) are equipped with transducers. In 2016, the program was expanded further to include Cells 9 & 10 where currently six soil wells (GWA-39Z, GWA-41, GWA-43, GWC-45, GWC-47, and GWC-49Z)

and six rock wells (GWA-39RZ, GWA-41R, GWA-43R, GWC-45R, GWC-47R, and GWC-49R) are equipped with transducers. Etowah River levels and rainfall data for the reporting period were obtained from a U.S. Geological Survey gauge (02394670) near Cartersville, Georgia.

Water level data are electronically logged multiple times daily by each transducer. Most logged data are uploaded after each reading via satellite telemetry to a central In-Situ® database. Automated reports are accessible via the In-Situ® database website where the telemetry data are stored and compiled. Data from wells not connected to the site telemetry system are manually downloaded directly from the transducer because the transducers are set to log and store data internally multiple times throughout each day. Water level data are monitored for unusual groundwater level fluctuations. Remote monitoring continued without transducer maintenance March through July 2020 due to Covid-19 pandemic precautions. Site visits for transducer maintenance resumed in August 2020.

Maintenance Observations

During the reporting period, the following well locations (GWA-2R, GWA-3, GWC-7Z, GWC-11, GWC-11R, GWC-13, GWA-24R, GWA-36R, GWA-53, GWA-53R, GWA-55, GWA-39RZ, GWA-39Z, and GWA-49R) were visited on one or more occasions for maintenance, manual data downloads, battery change outs, transducer replacement, solar panel adjustment, or reconnection of modem or transducer cables. The data, during this reporting period, for these transducer locations are not continuous due to transducers being offline during repairs or no access to the Site during Covid-19 pandemic precautions. During the past six-month period, transducers from wells GWC-7Z, GWC-11R, GWC-13, GWA-53, GWA-55, and GWC-49R were returned to In-Situ® for repair or exchanged for a new transducer and reinstalled. In addition, modems were replaced at location GWA-2R and GWC-24R. Wood has continued to update the firmware to current versions at each location since November 2018 to improve communication.

Water Level Fluctuations

Continuous groundwater level data and river stage elevations were recorded between May 1, 2020 and December 5, 2020. Reporting period hydrographs for Cells 1 & 2, 3 & 4, and 9 & 10 are shown in Figures 1A through 3B.

Table 1 lists the groundwater sampling, water level gauging and transducer maintenance activities during the reporting period and are considered known disruptions. Figures 1A through 3B show the transducer water level data for the reporting period. Table 2 summarizes the data gaps or maintenance issues for the reporting period and recommendations for repairs and includes the

most recent repairs completed up to December 5, 2020. Repairs consisted of resetting reference water elevation depth, resealing boxes, ant infestation control, and replacing power controller units and batteries. Over time the transducer elevation drifts, possibly attributed to the transducer being periodically removed for sampling, gauging or maintenance activities. To remedy this, in periodic maintenance is needed to mark and mount the transducer cable to a fixed location such that the transducer is consistently returned to the same depth. When an adjustment is made, the reference depth to actual water elevation is re-set and the logging cycle re-started. The marking and securing of the transducers continued during this reporting period. Table 2 is a record of the maintenance completed during the reporting period.

The water levels in monitoring wells equipped with transducers exhibited similar overall trends during the reporting period. Groundwater elevations show an overall decreasing trend during this six-month period with a decrease visible May through August 2020 and then more stable conditions with a slight increase in the fall. The fluctuations of groundwater elevations mimic the Etowah River levels in response to rain events and wet conditions. Some of this hydrograph response may be attributable to the fluctuations in water levels in the nearby General Service Water Pond. Groundwater in both the overburden and bedrock aquifers responded to rainfall events; however, the time to peak groundwater elevations varied between wells. During this monitoring period, the potentiometric surface of the bedrock aquifer remained above the top of competent bedrock in the instrumented monitoring wells. This higher hydrostatic pressure of the bedrock aquifer limits removal of material from the overburden that could result in subsidence issues. The observed variations in groundwater elevations are attributed to rainfall variations, or due to sampling or maintenance activities at the monitoring points. A comparison of river stage and precipitation data with recorded groundwater elevations (Figures 1A through 3B) shows that both sets of data follow similar overall patterns.

Conclusions and Recommendations

Observed disruptions in the transducer water level were found to be directly attributed to drawdown during sampling events, water level gauging, maintenance of wells, transducers, or telemetry units, or significant rainfall events. The May 1, 2020 to December 5, 2020 hydrologic monitoring data did not show water level fluctuations attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation. Based on data for the current reporting period (May 1, 2020 to December 5, 2020), Wood recommends the following actions:

- Periodically calibrate elevations to correct for transducer elevation drift.
- Perform the necessary maintenance or replacement of non-functioning transducer equipment in wells to restore function and continue with routine transducer/telemetry system maintenance to ensure that future data are consistent.
- Manually download data, monthly, when a telemetry unit is offline (i.e. not transmitting data to the remote database). This will ensure that data are being reviewed on a consistent and timely basis.
- Trim tree branches as necessary to allow more sunlight to reach the solar panels and charge batteries.
- Field check equipment to make certain insect infestation is not damaging equipment.

¹ SCS (Southern Company Services, Inc.), 2004. Plant Bowen Proposed Coal Combustion By-Product Monofill Addendum I Site Acceptability Report – Hydrogeological Assessment and Demonstration of Engineering Measures.

TABLES

Table 1
Known Sampling and Gauging Events Relative to Water Level Fluctuations
May 1, 2020 through December 5, 2020
Georgia Power - Plant Bowen
Wood Project No. 6122160287

Solid Waste Disposal Cells	Well ID	Date Well Gauged	Date Well Sampled	Sampling Comments	Most Recent Transducer Network Maintenance Per Well	Comments
1&2	GWA-1	9/1/2020	9/15/2020	Groundwater CCR Event #15		
					9/8/2020	Removed the modem to send to In-Situ for maintenance.
	GWA-2R	9/1/2020	9/15/2020	Groundwater CCR Event #15	11/18/2020	Replaced weather gasket inside of telemetry enclosure and reinstalled modem. Worked with satellite company to bring back online.
	GWA-3	9/1/2020	Purged on 9/16/2020, Not Sampled	Groundwater CCR Event #15	8/6/2020	Transducer cable appeared to have an electrical arc burn where it connects into the transducer. Elevated pH values were recorded in the well during the September sampling event. Well casing has cracks.
	GWC-6RZ	9/1/2020	9/16/2020	Groundwater CCR Event #15		
	GWC-7Z	9/1/2020	9/16/2020	Groundwater CCR Event #15	9/8/2020	Replaced transducer.
					11/16/2020	Fixed solar panel connection issue and replaced telemetry system battery.
	GWC-8RR	9/1/2020	9/17/2020	Groundwater CCR Event #15		
	GWC-11	9/1/2020	9/21/2020	Groundwater CCR Event #15	8/7/2020	Fixed device address issues and replaced all transducer batteries.
					11/16/2020	Hornet nest present on the telemetry system and large ant colony inside of well.
	GWC-11R	9/1/2020	9/21/2020	Groundwater CCR Event #15	8/7/2020	Replaced transducer.
	GWC-13	9/1/2020	9/22/2020	Groundwater CCR Event #15	8/7/2020	Transducer battery was dead. Removed transducer and sent to In-Situ.
					11/16/2020	Reinstalled repaired transducer.
	GWC-13R	9/1/2020	no longer sampled	Groundwater CCR Event #15		
GWC-13RZ	9/1/2020	9/22/2020	Groundwater CCR Event #15			
GWC-15 and GWC-15Z	9/1/2020	9/21/2020	Groundwater CCR Event #15		GWC-15 is equipped with a transducer. GWC-15 is no longer sampled, but is measured for water levels. Nearby well GWC-15Z is not equipped with a transducer, but gauging and sampling in this well influences adjacent well GWC-15. GWC-15Z was sampled on the dates shown.	
GWC-15R	9/1/2020	9/21/2020	Groundwater CCR Event #15			
3&4	GWC-16R	9/1/2020	9/9/2020	Groundwater CCR Event #15		No functional issues during this reporting period, but water level fluctuations not evident in well. Uncertain lack of fluctuations is due to hydrogeologic condition or equipment.
	GWC-18	9/1/2020	9/9/2020	Groundwater CCR Event #15		
	GWC-18R	9/1/2020	9/9/2020	Groundwater CCR Event #15		
	GWC-21R	9/1/2020	9/8/2020	Groundwater CCR Event #15		
	GWC-24R	9/1/2020	9/9/2020	Groundwater CCR Event #15	9/8/2020	Modem removed for repairs.
					11/16/2020	Replaced the modem and telemetry enclosure. Worked with satellite company to bring back online.
	GWC-25R	9/1/2020	9/4/2020	Groundwater CCR Event #15	9/8/2020	Replaced telemetry system battery.
					11/16/2020	Re-calibrated transducer to report more accurate groundwater elevation.
	GWA-36	9/1/2020	9/3/2020	Groundwater CCR Event #15		
	GWA-36R	9/1/2020	9/14/2020	Groundwater CCR Event #15	8/7/2020	Troubleshooting due to sporadic reporting to the ISI database. Recalibrated transducer
	GWA-37	9/1/2020	9/3/2020	Groundwater CCR Event #15	11/24/2020	Transducer stopped reporting on 11/24/2020.
	GWA-53	9/1/2020	9/8/2020	Groundwater CCR Event #15	11/16/2020	Replaced transducer and worked with satellite company to bring modem back online
	GWA-53R	9/1/2020	9/8/2020	Groundwater CCR Event #15	8/7/2020	Replaced all telemetry batteries.
11/16/2020					Corrected device address.	
GWA-55	9/1/2020	9/4/2020	Groundwater CCR Event #15	11/16/2020	Replaced transducer.	
GWA-55R	9/1/2020	9/4/2020	Groundwater CCR Event #15	8/7/2020	Replaced all telemetry batteries.	
9 & 10	GWA-39RZ	9/1/2020	9/16/2020	Groundwater CCR Event #15	11/18/2020	Rebooted the modem and started reporting again. Not reporting as of 11/30/2020. Troubleshoot and download data during next site visit.
	GWA-39Z	9/1/2020	9/10/2020	Groundwater CCR Event #15	11/18/2020	Rebooted the modem and started reporting again. Not reporting as of 11/30/2020. Troubleshoot and download data during next site visit.
	GWA-41	9/1/2020	9/10/2020	Groundwater CCR Event #15		
	GWA-41R	9/1/2020	9/10/2020	Groundwater CCR Event #15		
	GWA-43	9/1/2020	9/11/2020	Groundwater CCR Event #15		
	GWA-43R	9/1/2020	9/14/2020	Groundwater CCR Event #15		
	GWC-45	9/1/2020	9/11/2020	Groundwater CCR Event #15		
	GWC-45R	9/1/2020	9/11/2020	Groundwater CCR Event #15		
	GWC-47	9/1/2020	9/14/2020	Groundwater CCR Event #15		
	GWC-47R	9/1/2020	9/15/2020	Groundwater CCR Event #15		
	GWC-49R	9/1/2020	9/11/2020	Groundwater CCR Event #15	8/6/2020	Replaced all telemetry batteries. No transducer attached to the cable. Cable was damaged, replacement is needed.
11/16/2020					Replaced transducer and transducer cable.	
GWC-49Z	9/1/2020	9/14/2020	Groundwater CCR Event #15			

Prepared by/Date: EIWP 1/8/21
Checked by/Date: TRK 1/8/21

Table 2
Maintenance Information and Recommendations
May 1, 2020 to December 5, 2020
Georgia Power - Plant Bowen
Project Number: 6122-16-0287

Cell	Monitoring Well	Date	Maintenance Information	Recommendations
Cells 1&2	GWA-1		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWA-2R	9/8/2020	Removed the modem to send to In-Situ for maintenance.	Replace modem and weather gasket.
Cells 1&2	GWA-2R	11/18/2020	Replaced weather gasket inside of telemetry enclosure and reinstalled modem. Worked with satellite company to bring back online.	No action needed. Check weather gasket to ensure it is keeping a good seal.
Cells 1&2	GWA-3	8/6/2020	Transducer cable appeared to have an electrical arc burn where it connects into the transducer. Elevated pH values were recorded in the well during the September sampling event. Well casing has cracks.	Well scheduled to be replaced. Reinstall transducer following well replacement.
Cells 1&2	GWC-6RZ		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-7Z	9/8/2020	Replaced transducer.	No action needed.
Cells 1&2	GWC-7Z	11/16/2020	Fixed solar panel connection issue and replaced telemetry system battery.	No action needed.
Cells 1&2	GWC-8RR		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-11	8/7/2020	Fixed device address issues and replaced all transducer batteries.	No action needed.
Cells 1&2	GWC-11	11/16/2020	Hornet nest present on the telemetry system and large ant colony inside of well.	Remove insect infestation from system and interior of the well.
Cells 1&2	GWC-11R	8/7/2020	Replaced transducer.	No action needed.
Cells 1&2	GWC-13	8/7/2020	Transducer battery was dead. Removed transducer and sent to In-Situ.	Replace transducer on next field visit
Cells 1&2	GWC-13	11/16/2020	Reinstalled repaired transducer.	No action needed.
Cells 1&2	GWC-13R		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-15		No functional issues during this reporting period.	No action needed.
Cells 1&2	GWC-15R		No functional issues during this reporting period.	No action needed.
Cells 3&4	GWC-16R		No functional issues during this reporting period, but water level fluctuations not evident in well. Uncertain lack of fluctuations is due to hydrogeologic condition or equipment.	Install new well cap or drill hole in well stick up to allow well to vent.
Cells 3&4	GWC-18		No functional issues during this reporting period.	No action needed.
Cells 3&4	GWC-18R		No functional issues during this reporting period.	No action needed.
Cells 3&4	GWC-21R		No functional issues during this reporting period.	Troubleshoot and download data. Likely needs telemetry battery replaced.
Cells 3&4	GWC-24R	9/8/2020	Modem Removed for Repairs.	Reinstall Modem
Cells 3&4	GWC-24R	11/16/2020	Replaced the modem and telemetry enclosure. Worked with satellite company to bring back online.	No action needed.
Cells 3&4	GWC-25R	9/8/2020	Replaced telemetry system battery.	Troubleshoot and download data. Likely needs telemetry battery replaced. Tree cover in area is preventing battery recharge.
Cells 3&4	GWC-25R	11/16/2020	Re-calibrated transducer to report more accurate groundwater elevation.	No action needed.
Cells 3&4	GWA-36		No functional issues during this reporting period.	No action needed.
Cells 3&4	GWA-36R	8/7/2020	Troubleshooting due to sporadic reporting to the ISI database. Recalibrated transducer	May need to remove and replace modem and/or transducer.
Cells 3&4	GWA-37	11/24/2020	Transducer stopped reporting on 11/24/2020.	Download data and troubleshoot telemetry system during next site visit.
Cells 3&4	GWA-53	11/16/2020	Replaced transducer and worked with satellite company to bring modem back online	No action needed.
Cells 3&4	GWA-53R	8/7/2020	Replaced all telemetry batteries.	Not reporting after maintenance. Check transducer and device address.
Cells 3&4	GWA-53R	11/16/2020	Corrected device address.	No action needed.
Cells 3&4	GWA-55	11/16/2020	Replaced transducer.	No action needed.

Table 2
Maintenance Information and Recommendations
May 1, 2020 to December 5, 2020
Georgia Power - Plant Bowen
Project Number: 6122-16-0287

Cell	Monitoring Well	Date	Maintenance Information	Recommendations
Cells 3&4	GWA-55R	8/7/2020	Replaced all telemetry batteries.	No action needed.
Cells 9&10	GWA-39RZ	11/18/2020	Rebooted the modem and started reporting again.	Not reporting as of 11/30/2020. Troubleshoot and download data during next site visit.
Cells 9&10	GWA-39Z	11/18/2020	Rebooted the modem and started reporting again.	Not reporting as of 11/30/2020. Troubleshoot and download data during next site visit.
Cells 9&10	GWA-41		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWA-41R		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWA-43		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWA-43R		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWC-45		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWC-45R		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWC-47		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWC-47R		No functional issues during this reporting period.	No action needed.
Cells 9&10	GWC-49R	8/6/2020	Replaced all telemetry batteries. No transducer attached to the cable. Cable was damaged and replacement is needed.	Replace transducer and transducer cable.
Cells 9&10	GWC-49R	11/16/2020	Replaced transducer and transducer cable.	No action needed.
Cells 9&10	GWC-49Z		No functional issues during this reporting period.	No action needed.
	River	11/18/2020	Station no longer in service and was removed from the ISI-Data Center.	No action needed.

Notes:
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FIGURES

Figure 1A - Cell 1&2 Transducer Level Monitoring

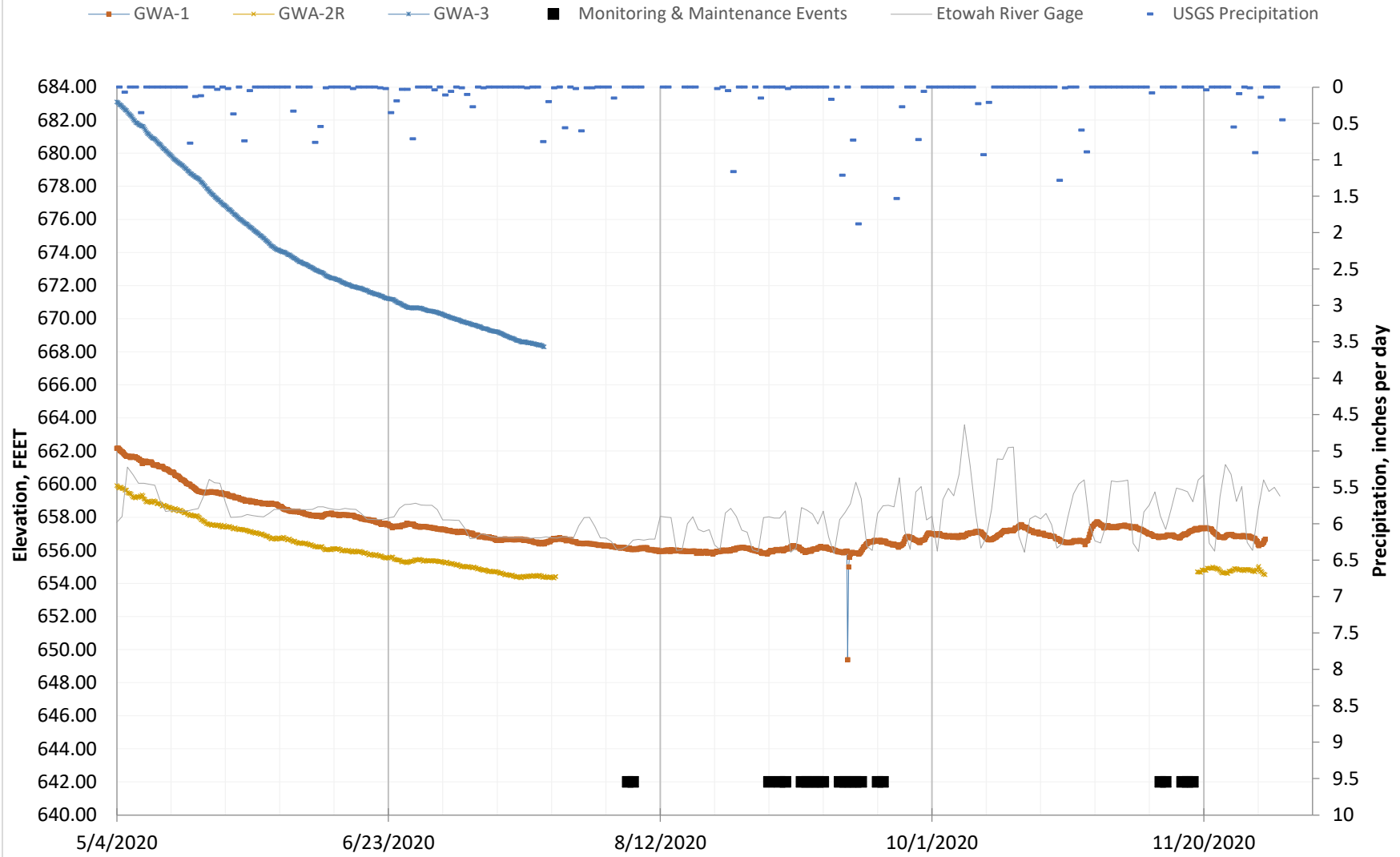


Figure 1B - Cell 1&2 Transducer Level Monitoring

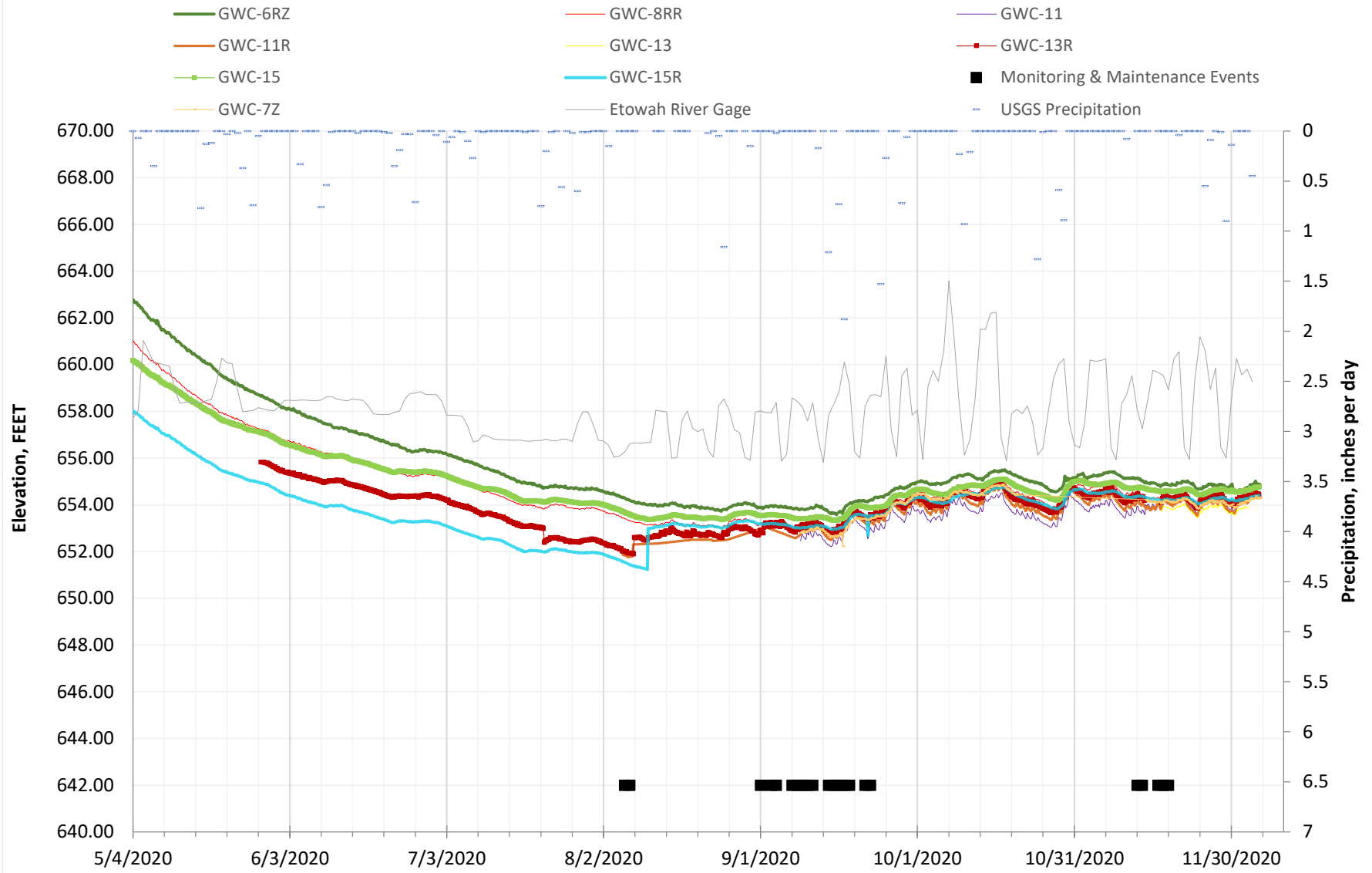


Figure 2A Cell 3 & 4 Transducer Level Monitoring

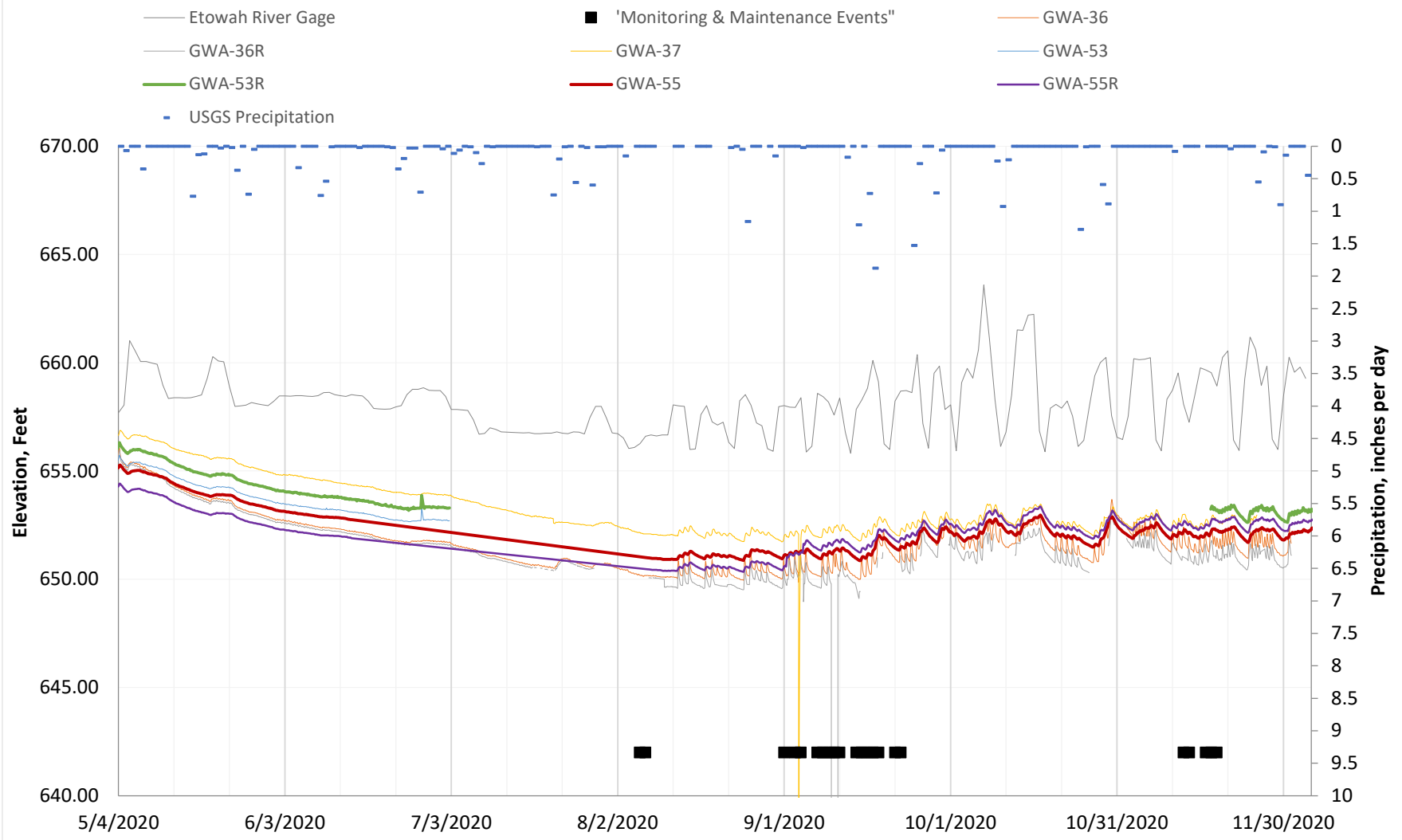


Figure 2B Cell 3 & 4 Transducer Level Monitoring

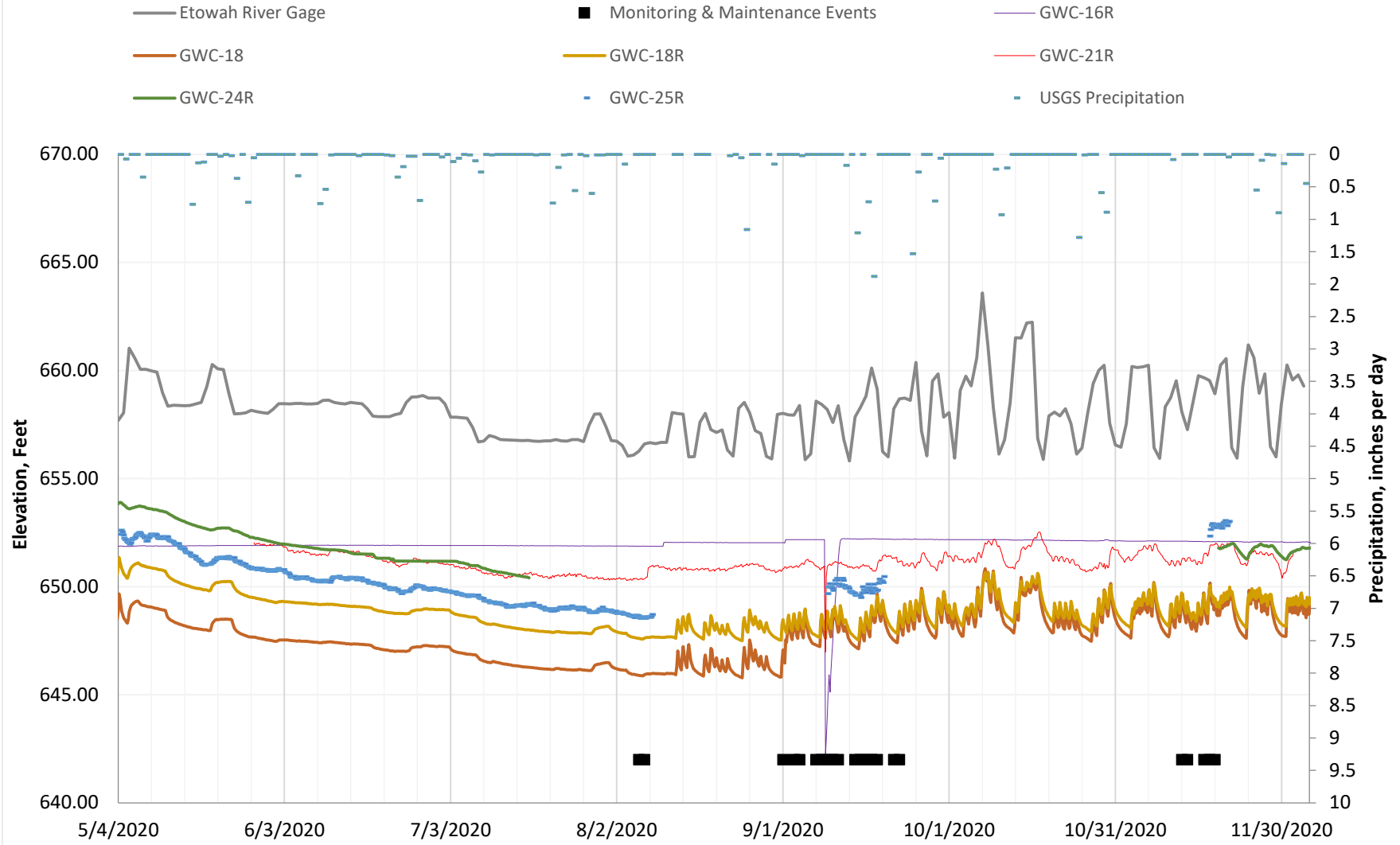


Figure 3A Cell 9 & 10 Transducer Level Monitoring

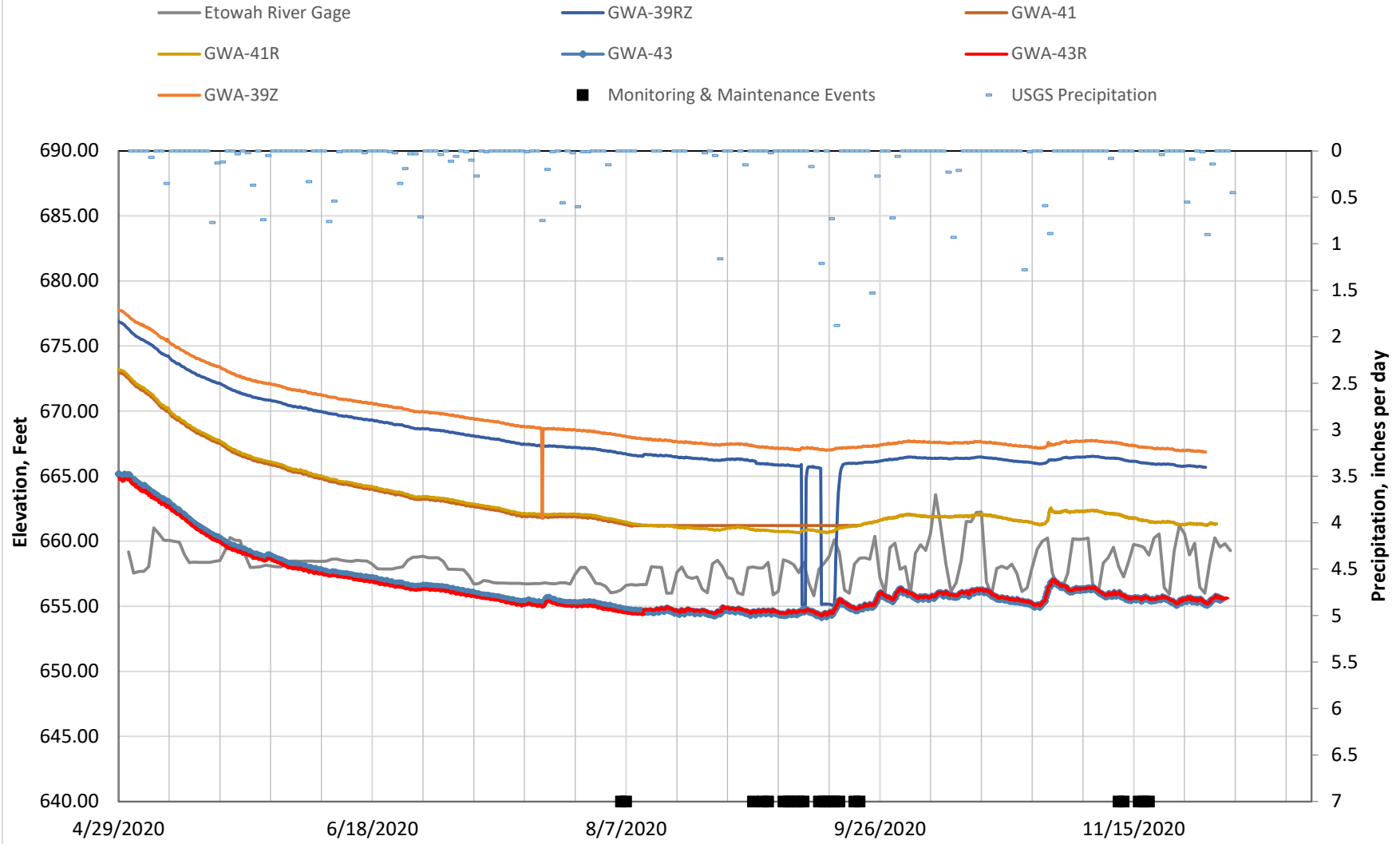
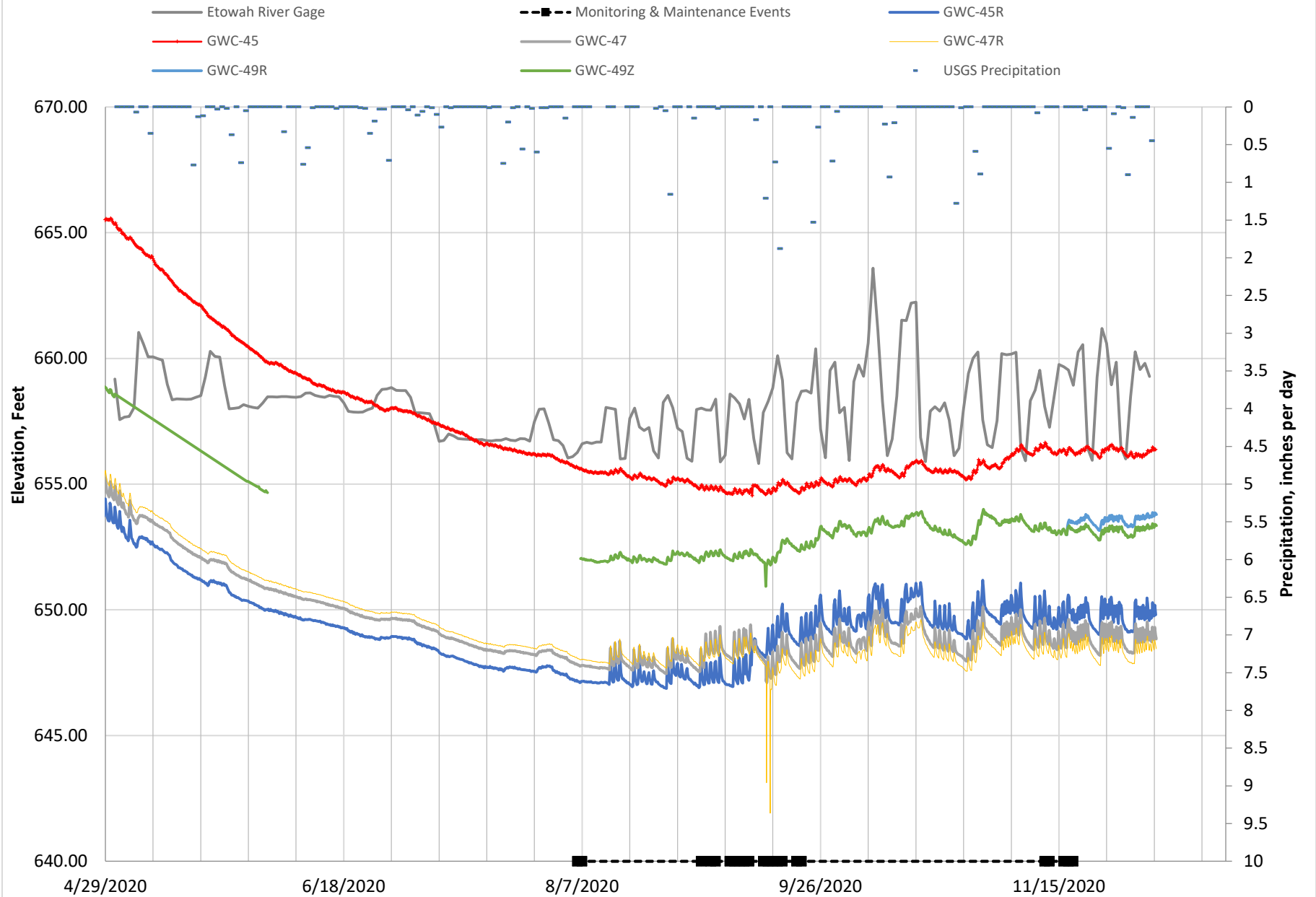


Figure 3B Cell 9 & 10 Transducer Level Monitoring



APPENDIX D
ALTERNATE SOURCE DEMONSTRATIONS

Alternate Source Demonstration for March 2020 Semi-Annual Event

Plant Bowen

Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (LI)

Prepared for:



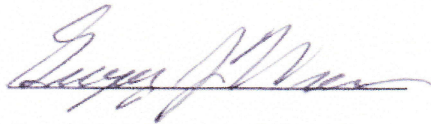
Date: August 31, 2020

Prepared by: Wood Environment & Infrastructure Solutions, Inc.
1075 Big Shanty Road NW, Suite 100, Kennesaw, Georgia 30144

Project No.: 6122-16-0287

CERTIFICATION STATEMENT

This *Alternate Source Demonstration for March 2020 Semi-Annual Event for Georgia Power Company - Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10* has been prepared in compliance with applicable Georgia Solid Waste Management Rule 391-3-4.14.23c by a qualified groundwater scientist or engineer with Wood Environment & Infrastructure Solutions, Inc. References to the appropriate Georgia Solid Waste Management 391-3-4 Rules are incorporated throughout this document.



Gregory J. Wrenn, P.E.
Registered Professional Engineer
Professional Engineer No. 025565

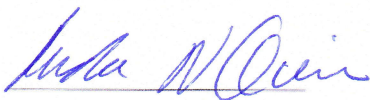


August 31, 2020

Date

PROFESSIONAL GROUND WATER SCIENTIST CERTIFICATION

I certify that I am a qualified ground-water scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in ground-water hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding ground-water monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction.



Rhonda N. Quinn, P.G.
Registered Professional Geologist
Georgia Registration #1031

August 31, 2020

Date



TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Background.....	1
2.0	SUMMARY OF STATISTICAL EXCEEDANCES	2
3.0	ALTERNATE SOURCE DEMONSTRATION	3
3.1	General Evaluation of the Statistical Exceedances.....	3
3.2	Barium at Well GWC-49R.....	4
3.3	Zinc at Well GWC-47R.....	5
3.4	pH at Wells GWC-9 and GWC-49R.....	6
3.5	Calcium at Wells GWC-5, GWC-6, and GWC-45R.....	7
3.6	Chloride at Wells GWC-10R, GWC-14Z, and GWC-45R.....	7
3.7	Sulfate at Wells GWC-14Z, GWC-21, and GWC-45R.....	8
3.8	Total Dissolved Solids at Wells GWC-45, GWC-45R, and GWC-48.....	9
4.0	CONCLUSIONS AND RECOMMENDATIONS.....	11
5.0	REFERENCES	12

LIST OF TABLES

Table 1	Summary of March 2020 Statistical Exceedances Not Previously Addressed in an ASD
Table 2	Evaluation of Statistical Exceedances for Landfill Cells 1 & 2 – March 2020
Table 3	Evaluation of Statistical Exceedances for Landfill Cells 3 & 4 – March 2020
Table 4	Evaluation of Statistical Exceedances for Landfill Cells 9 & 10 – March 2020
Table 5	Summary of Geochemical Data
Table 6	Comparisons of Barium, Zinc, and pH

LIST OF FIGURES

Figure 1	Monitoring Well Network March 2020
Figure 2A	Barium in Well GWC-49R Compared with Upgradient Wells
Figure 2B	Detected Metal Trends in Well GWC-49R
Figure 3	Zinc in Well GWC-47R Compared to Other Metals
Figure 4	Trends in pH for Well GWC-9 and Adjacent Downgradient Wells
Figure 5	Trends in pH for Well GWC-49R and Adjacent Wells

LIST OF FIGURES - continued

- Figure 6 Calcium Trends in Wells GWC-5 and GWC-6 Compared to Upgradient Wells
- Figure 7 Calcium Trends in Well GWC-45R Compared to Upgradient Wells
- Figure 8 Chloride Trends in Wells GWC-10R and GWC-14Z Compared to Upgradient Wells
- Figure 9 Chloride Trends in Well GWC-45R Compared to Upgradient Wells
- Figure 10 Wells GWC-10R, GWC-14Z and GWC-45R Chloride and Groundwater Elevations
- Figure 11 Sulfate Trends in Well GWC-14Z Compared to Upgradient Wells
- Figure 12 Sulfate Trends in Well GWC-21R Compared to Upgradient Wells
- Figure 13 Sulfate Trends in Well GWC-45R Compared to Upgradient Wells
- Figure 14 Sulfate and Groundwater Elevations
- Figure 15 TDS in Wells GWC-45, GWC-45R, and GWC-48 Compared to Upgradient Wells
- Figure 16 TDS and Groundwater Elevations

LIST OF APPENDICES

- Appendix A USGS Regional Data

1.0 INTRODUCTION

This Alternate Source Demonstration for March 2020 Semi-Annual Event (ASD) has been prepared in accordance with 391-3-4.14.23(c) of the Georgia Solid Waste Management Rules to support the position that statistically significant increases (SSIs) in constituent concentrations over background as presented in *the 2020 Semi-Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Company Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10, dated August 31, 2020 are a result of the natural variability in groundwater quality and not a release from the landfill cells. This ASD addresses those March 2020 SSIs in wells that have not previously been addressed in past ASDs (August 2017 and April 2018), although it should be noted that the SSIs addressed herein are for the same constituents as those covered in previous ASDs.

This document satisfies the requirements of 391-3-4.14.23(c) which allows an owner or operator to demonstrate that a source other than the Landfill Cells 1 & 2, 3 & 4, and 9 & 10 has caused an SSI and that the apparent SSI was the result of an alternate source or resulted from errors in “sampling, analysis, statistical evaluation, or natural variation in groundwater quality”.

1.1 Background

The Georgia Power Company (GPC) Plant Bowen solid waste disposal facility (Site) is located in south Bartow County off State Highway 113, approximately 7 miles west-southwest of Cartersville and 20 miles southeast of Rome. The disposal facility is approximately 300 acres located on a previously undeveloped, contiguous portion of the plant property. The disposal facility (**Figure 1: Monitoring Well Network March 2020**) receives coal combustion by-products, coal ash and gypsum, from coal-burning and flue gas desulfurization processes at the Site.

The Plant Bowen solid waste disposal facility is operated in accordance with Georgia Environmental Protection Division (EPD) Solid Waste Permit No. 008-018D (LI). Groundwater monitoring is conducted as per the permit requirements specified in the Design and Operation (D&O) Plan. This includes semi-annual groundwater sampling and continuous groundwater level measurements at the Site. In addition, background sampling for the U.S. Environmental Protection Agency’s (USEPA) Coal Combustion Residuals (CCR) Rule was conducted from February 2016 through June 2017.

In March 2020, the first semi-annual groundwater monitoring event for 2020 was conducted in accordance with the D&O Plan. Antimony, barium, zinc, pH, calcium, chloride, sulfate, and total dissolved solids (TDS) were detected in some downgradient wells at concentrations outside of their statistical prediction limits. This report demonstrates that these SSIs do not indicate a release from the lined Landfill Cells 1 & 2, 3 & 4, and 9 & 10, but rather the SSIs reflect natural variation in groundwater quality.

2.0 SUMMARY OF STATISTICAL EXCEEDANCES

As presented in the *2020 Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10* (August 2020), there were two metals and five CCR Appendix III parameters, as listed below, exhibiting SSIs outside their statistical prediction limits. The 2020 semi-annual report lists other SSIs that are not listed below because those SSIs have been addressed in the August 2017 Alternate Source Demonstration (antimony and nickel for wells GWC-16R and GWC-21R) and April 2018 Alternate Source Demonstration (barium, zinc, pH, calcium, chloride, sulfate, and TDS for various wells). These SSIs listed below have not been addressed in a past ASD.

Constituent	Wells with Constituent Concentrations Above Statistical Prediction Limits Not Previously Addressed in an ASD
Barium	GWC-49R
Zinc	GWC-47R
pH	GWC-9, GWC-49R
Calcium	GWC-5, GWC-6, GWC-45R
Chloride	GWC-10R, GWC-14Z, GWC-45R
Sulfate	GWC-14Z, GWC-21R, GWC-45R
Total Dissolved Solids	GWC-45, GWC-45R, GWC-48

Additional details regarding these statistical exceedances are summarized on **Table 1: Summary of March 2020 Statistical Exceedances Not Previously Addressed in an ASD**. The exceedances shown in **Table 1** were not re-sampled because these exceedances were for the same constituents (barium, zinc, calcium, chloride, pH, sulfate, and TDS) that have been addressed in previous ASDs.

3.0 ALTERNATE SOURCE DEMONSTRATION

Georgia Solid Waste Management Rule 391-3-4.14.23(c) allows the owner to demonstrate that a source other than the Landfill Cells 1 & 2, 3 & 4, and 9 & 10 caused the SSI or that the apparent statistical exceedance resulted from error in sampling, analysis, statistical evaluation, or from natural variation in groundwater quality. Pursuant to 391-3-4.14.23(c), the following is provided as a demonstration that the listed SSIs are due to natural variation in groundwater chemistry and not a release from the Landfill Cells 1 & 2, 3 & 4, and 9 & 10.

3.1 General Evaluation of the Statistical Exceedances

Barium and zinc exceeded their statistical prediction limits in one well each. Five of the seven Appendix III parameters (calcium, chloride, pH, sulfate, and TDS) were sporadically detected in a few wells at concentrations above their statistical prediction limits. Boron and fluoride concentrations did not exceed statistical prediction limits. **Tables 2, 3, and 4: Evaluation of Statistical Exceedances for Landfill Cells 1 & 2, 3 & 4, and 9 & 10 – March 2020** show which wells and parameters exhibit a statistical exceedance on a grid format. The purpose of the tables is to present a comprehensive snapshot of the downgradient data for each subject landfill cell. The table for each landfill cell shows a red square where there is a statistical exceedance; and as indicated on **Tables 2, 3, and 4** the red squares are scattered across each of the landfill cells. The tables highlight the following line of information that demonstrates that the SSIs are the result of natural variability in groundwater quality and not a release from the Landfill Cells 1 & 2, Cells 3 & 4, and Cells 9 & 10.

Landfill Cells 1 & 2, Cells 3 & 4, and Cells 9 & 10 were constructed with liner systems to prevent waste materials from leaching into underlying groundwater, in accordance with Solid Waste Permit No. 008-018D (LI). Cells 3 & 4 have a leachate collection system in addition to the liner system. If a release were present, the data would be expected to exhibit multiple exceedances for multiple wells within each landfill cell. Only GWC-45R showed exceedances of more than two Appendix III parameters. Review of the SSIs presented on the tables does not show a grouping of exceedances, as would be expected from a release, they show a scattered distribution. Additionally, those downgradient wells that show statistical exceedances of calcium, chloride, sulfate, and TDS do not have statistical exceedances of metals or the CCR indicator parameter, boron.

In March 2018, as part of the 2018 first semi-annual sampling event, additional parameters, namely, magnesium, sodium, potassium, and alkalinity were analyzed from the landfill cells upgradient wells and from the downgradient wells with statistical exceedances. The geochemical data was used to evaluate if the upgradient (background) and downgradient groundwater had consistent chemical characteristics and if the upgradient wells were geochemically representative of downgradient wells. The data is summarized on **Table 5: Summary of Geochemical Data** and highlights the following.

- The table is color-coded to show the similarities and differences between the geochemical concentrations and wells. The concentrations are ranked from highest to lowest along a column for a single parameter. Higher concentrations are indicated by a darker color while lower concentrations are indicated by lighter color with shadings to indicate the next highest or next lowest concentration.
- The majority of wells indicate a calcium-bicarbonate type groundwater across the three landfill cells; a few wells show sodium-bicarbonate or magnesium-bicarbonate type water; two wells show calcium-sulfate type groundwater and one well exhibits sodium-chloride type groundwater.
- There are differences in groundwater composition between upgradient and downgradient groundwater, particularly at Cells 3 & 4 and Cells 9 & 10, due to variable lithology and groundwater flow. The current statistical methods do not take these geochemical differences into account and may not explain the natural variability for applicable parameters. As additional data are collected semi-annually, the statistical approach currently used may periodically be re-evaluated and adjusted, as necessary.

3.2 Barium at Well GWC-49R

The SSI of barium at GWC-49R is likely the result of natural variation in groundwater quality and not the result of a release from the Landfill Cells 9 & 10. The following information supports this position.

Similar Barium Trend in Upgradient Wells

- GWC-49R barium concentration (0.026 mg/L) is within the range of barium concentrations in overburden and bedrock wells GWC-45/GWC-45R (0.0055 to 0.11 mg/L) detected prior to waste placement in Cells 9 & 10 in November 2015, as shown in **Table 6: Comparisons of Barium, Zinc, and pH**.
- The barium concentration in well GWC-49R is within the range of upgradient well concentrations in March 2020 and historical concentrations in sitewide upgradient wells (**Table 6**). The data is graphically shown in **Figure 2A Barium in Well GWC-49R Compared with Upgradient Wells**.
- Upgradient wells GWA-40 and GWA-41 showed an increase in barium concentrations from September 2019 to March 2020 similar to the increase in well GWC-49R causing an intrawell exceedance and indicated on **Figure 2A**.

Absence of Other Metals in Well GWC-49R Having A Similar Trend as Barium

- The target metals (per Site D&O Plan) in well GWC-49R occur in low concentrations with only barium showing consistently detectable concentrations, but at levels significantly below the Maximum Contaminant Level (MCL) of 2 mg/L. Well GWC-49R has been

analyzed 14 times for barium and 14 times for antimony, arsenic, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, and thallium. Of these metals, only barium had positive detections above the laboratory reporting limit (RL). Other metals were below the RL or present in low concentrations. Only two other metals (antimony and chromium) had more than two detections out of the 14 analyses and are graphed on **Figure 2B: Detected Metal Trends in Well GWC-49R**. A groundwater impact from material placed in Landfill Cells 9 & 10 would show similar detection patterns of other metals. A comparison of the patterns of concentration trends of the detected antimony and chromium with barium in well GWC-49R do not show a correlation between barium and the two detected metals, and there are no increasing trends for antimony and chromium. Statistical analysis of the GWC-49R barium concentrations indicates the trend is not significant.

Barium Is Present in Naturally Occurring Minerals Beneath the Site

- Barium occurs naturally in minerals beneath the Site. Barium occurs naturally in the local geologic formations. The Cartersville mining district in Bartow County contains residual deposits of arsenic-bearing minerals, barite, manganese, and iron oxide minerals along with metal sulfides (Kesler, 1950). Arsenic, barium, copper, lead, nickel, and zinc are found in varying amounts throughout the residual clays of the region due to the weathering of sulfides (Kesler, 1950). The overlying residual clays of the regional carbonate rocks contain deposits of coarsely crystalline barite (Kesler, 1950). Limestones and dolomites can have barium concentrations of 50 to 200 parts per million (Kabata-Pendias, 2001), which could result in naturally occurring concentrations in groundwater at levels similar to those observed at the Site.

3.3 Zinc at Well GWC-47R

The SSI of zinc in well GWC-47R in Landfill Cells 9 & 10 is likely the result of natural variation in groundwater quality and not the result of a release from the Landfill Cells 9 & 10. The following information supports this position.

Similar Zinc Trend in Upgradient Wells

- Zinc concentrations in bedrock well GWC-47R are similar to zinc concentrations before placement of waste in Landfill Cells 9 & 10. The initial waste placement began in November 2015 for Landfill Cells 9 & 10. Current zinc concentration (0.032 mg/L) in well GWC-47R is within the range of zinc concentrations (0.0027 to 0.051 mg/L) detected in bedrock well GWC-45R prior to waste placement, as shown in **Table 6**.
- Zinc concentrations in well GWC-47R are within the range of background concentrations at other landfill cells and are similar to zinc in other Landfill Cells 9 & 10 wells.
- Zinc concentrations in well GWC-47R are comparable to zinc levels in the upgradient wells at other landfill cells onsite, as shown in **Table 6**.

Absence of Other Metals in Well GWC-47R Having A Similar Trend as Zinc

- The target metals (per Site D&O Plan) in well GWC-47R occur in low concentrations. Well GWC-47R has been analyzed 13 times for zinc and 14 times for antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, and thallium. Copper, nickel, silver, and vanadium have been analyzed 13 times. Metals (antimony, arsenic, barium, chromium, and thallium) which had more than seven detections out of the 13 to 14 analyses were compared against the zinc concentrations and are graphed on **Figure 3: Zinc in Well GWC-47R Compared to Other Metals**. A groundwater impact from the material placed in Cells 9 & 10 would show similar detection patterns of other metals along with the zinc and increasing concentration trends. A comparison of the patterns of concentration trends of the detected antimony, arsenic, barium, chromium, and thallium with zinc in well GWC-47R do not show a correlation between zinc and the other detected metals, and there are no increasing trends for the other metals. Statistical analysis of the GWC-47R zinc concentrations indicates the trend is not significant.

Zinc Is Present in Naturally Occurring Minerals Beneath the Site

- Similar to barium, zinc is found in varying amounts throughout the residual clays from weathering of sulfides in the Cartersville mining district (Kesler, 1950). Zinc chiefly occurs as a sulfide mineral. Limestones and dolomites can have zinc concentrations of 10 to 25 parts per million (Kabata-Pendias, 2001), which could result in naturally occurring concentrations in groundwater at levels similar to those observed at the Site.

3.4 pH at Wells GWC-9 and GWC-49R

The statistical exceedances of pH values in wells GWC-9 and GWC-49R are likely the result of natural variation in groundwater quality and not the result of a release from Landfill Cells 1 & 2 or 9 & 10. The following information supporting this conclusion include.

Similar pH Trend in Upgradient Wells

- The wells with pH statistical excursions are within the range of pH values (4.3 to 10.6 standard units (su)) for sitewide wells during the 14 monitoring events and are similar to pH ranges prior to waste placement in the landfill cells (**Table 6**). The wide pH range is expected in the region characterized by carbonate bedrock and overburden material containing residual clays from weathering of sulfides.
- The pH value for GWC-9 (4.8 su) is just below the lower end of the Landfill Cells 1 & 2 pH prediction limits (5.1 to 7.7 su) and is within the range of 4.3 to 10.6 su noted for sitewide downgradient wells. **Figure 4: Trends in pH for Well GWC-9 and Adjacent Downgradient Wells** shows well GWC-9 pH trend differs from the trends in adjacent downgradient wells GWC-8Z, GWC-8RR, GWC-10, GWC-10R, GWC-11, and GWC-11R. Well GWC-9 pH values are lower, and the trend fluctuates more than the adjacent wells indicating natural variation in groundwater pH due to variable recharge events.

- **Figure 5: Trends in pH for Well GWC-49R and Adjacent Wells** shows well GWC-49R pH trend differs from the trends in adjacent downgradient wells and the trend fluctuates more than the adjacent wells indicating natural variation in groundwater pH.

3.5 Calcium at Wells GWC-5, GWC-6, and GWC-45R

The statistical exceedances of calcium concentrations in wells GWC-5, GWC-6, and GWC-45R are likely the result of natural variation in groundwater quality and not the result of a release from Landfill Cells 1 & 2 and 9 & 10. The following information supporting this conclusion includes:

Similar Calcium Trend in Regional Wells

- Calcium concentrations in wells GWC-5 (12.1 mg/L), GWC-6 (16.2 mg/L), and GWC-45R (43.5 mg/L) exceeded their respective intrawell prediction limits as shown on **Table 1**. However, these concentrations are comparable to regional concentrations of calcium in wells within the Knox Dolomite and Newala Limestone. These concentrations are within the reported concentrations (24 mg/L up to 58 mg/L) in regional bedrock wells (**Appendix A: USGS Regional Data**). The statistical exceedances noted in these wells are due to differences in aquifer lithologies affecting the groundwater chemistry as shown by site-specific data (silty clay and sand with dolomite fragments in wells GWC-5 and GWC-6 to dolostone in well GWC-45R).

Geochemical Difference Between Upgradient and Downgradient Wells

- Site-specific major ion data collected in March 2018 indicate that aquifer lithologies affect the groundwater geochemistry. The March 2018 geochemical data on **Table 5** shows the upgradient overburden wells in Landfill Cells 1 & 2 have a sodium bicarbonate geochemical profile that differs from calcium bicarbonate geochemical profile in downgradient overburden wells. As shown on **Figure 6: Calcium Trends in Wells GWC-5 and GWC-6 Compared to Upgradient Wells**, upgradient wells GWA-2, GWA-2R and GWA-4RZ showed an increase in calcium concentrations from September 2019 to March 2020 similar to the increase in wells GWC-5 and GWC-6 causing an intrawell exceedance. Similar comparison is noted with upgradient wells at Landfill Cells 9 & 10 and well GWC-45R as indicated on (**Figure 7: Calcium Trends in Well GWC-45R Compared to Upgradient Wells**).

3.6 Chloride at Wells GWC-10R, GWC-14Z, and GWC-45R

Reported chloride concentrations in wells GWC-10R, GWC-14Z, and GWC-45R were 3.0 mg/L, 4.2 mg/L, and 4.4 mg/L, respectively. These concentrations slightly exceeded their prediction limits as shown in **Table 1**. The statistical exceedances of chloride at wells GWC-10R, GWC-14Z, and GWC-45R are likely the result of natural variation in groundwater quality and not the result of a release from the Landfill Cells 1 & 2 and 9 & 10. The following information supporting this conclusion include.

Similar Chloride Trend in Regional Wells

- Landfill Cells 1 & 2, 3 & 4, and 9 & 10 were constructed with liner systems to prevent waste materials from leaching into underlying groundwater. in accordance with Solid Waste Permit No. 008-018D (LI). The chloride concentrations in these wells are relatively low, and comparable to regional concentrations (1 to 16 mg/L) in wells screened in Knox Dolomite and Newala Limestone (Croft, 1963).

Similar Chloride Trend in Upgradient Wells

- As shown on **Figure 8: Chloride Trends in Wells GWC-10R and GWC-14Z Compared to Upgradient Wells**, upgradient wells GWA-2 and GWA-4RZ showed an increase in chloride concentrations from September 2019 to March 2020 similar to the increase in wells GWC-10R and GWC-14R causing an interwell exceedance. As shown on **Figure 9: Chloride Trends in Well GWC-45R Compared to Upgradient Wells**, upgradient wells, GWA-40, GWA-41, and GWA-42 showed an increase in chloride concentrations from September 2019 to March 2020 similar to the increase in well GWC-45R causing an intrawell exceedance.
- Chloride exceedances in GWC-45R appear to be affected by recharge effects due to rainfall and groundwater recharge as indicated on **Figure 10: Wells GWC-10R, GWC-14Z, and GWC-45R Chloride and Groundwater Elevations** that show the GWC-45R chloride concentration trend is very similar to the groundwater elevation trend. Higher chloride concentrations have been documented in groundwater during wetter soil moisture conditions than during drier conditions (Peters and Ratcliffe, 1998). Above average rainfall amounts were recorded in early 2020 and during the March 2020 sampling event at the Site which would contribute to these chloride concentrations. The similarity of increases in concentrations in upgradient wells concurrent with increases in downgradient wells and increasing concentrations in response to rising groundwater elevations indicates the chloride in wells GWC-10R, GWC-14Z and GWC-45R are attributed to natural variations in groundwater quality.

3.7 Sulfate at Wells GWC-14Z, GWC-21, and GWC-45R

The statistical exceedances of sulfate at wells GWC-14Z, GWC-21R, and GWC-45R are likely the result of natural variation in groundwater quality and not the result of a release from Landfill Cells 1 & 2, 3 & 4, and 9 & 10. The following information supporting this conclusion include.

Similar Sulfate Trend in Regional Wells

- The sulfate statistical exceedances were reported in downgradient wells GWC-14Z (Cells 1 & 2), GWC-21R (Cells 3 & 4) and GWC-45R (Cells 9 & 10) at 11.1 mg/L, 11.3 mg/L and 5.2 mg/L, respectively. The sulfate concentrations in these wells are relatively low and are comparable to concentrations (ranging from 2 to 14 mg/L) in regional wells screened in Knox Dolomite and Newala Limestone (Croft, 1963).

Similar Sulfate Trend in Upgradient Wells

- The sulfate concentrations in the upgradient wells of Landfill Cells 1 & 2 from February 2016 to March 2020 ranged from 0.36 to 147 mg/L. Well GWC-14Z sulfate concentration of 11.1 mg/L is within this range. **Figure 11: Sulfate Trends in Well GWC-14Z Compared to Upgradient Wells**, showed upgradient wells GWA-2, GWA-2R, and GWA-4RZ had an increases in sulfate concentrations from September 2019 to March 2020 similar to the increase in well GWC-14Z causing an intrawell exceedance.
- The sulfate concentrations in the upgradient wells of Landfill Cells 3 & 4 from February 2016 to March 2020 ranged from 0.31 to 132.46 mg/L. Well GWC-21R sulfate concentration of 11.3 mg/L is within this range (**Figure 12: Sulfate Trends in Well GWC-21R Compared to Upgradient Wells**). Some Cells 3 & 4 upgradient wells also exhibited increases in sulfate concentrations from September 2019 to March 2020 similar to well GWC-21R (**Figure 12**).
- The sulfate concentrations in the upgradient wells of Landfill Cells 9 & 10 from February 2016 to March 2020 ranged from 0.3 to 26 mg/L. Well GWC-45R sulfate concentration of 5.2 mg/L is within this range. (**Figure 13: Sulfate Trends in Well GWC-45R Compared to Upgradient Wells**)
- Sulfate concentrations in wells GWC-14Z, GWC-21R, and GWC-45R are affected by recharge effects due to rainfall and groundwater recharge as indicated on **Figure 14: Sulfate and Groundwater Elevations** that show GWC-14Z and GWC-45R sulfate concentration trend is very similar to the groundwater elevation trend. The similarity of increases in concentrations in upgradient wells concurrent with increases in downgradient wells and increasing concentrations in response to rising groundwater elevations indicates the sulfate in wells GWC-14R, GWC-21R, and GWC-45R are attributed to natural variations in groundwater quality.

3.8 Total Dissolved Solids at Wells GWC-45, GWC-45R, and GWC-48

Total Dissolved Solids (TDS) concentrations of 60.0 mg/L, 245 mg/L and 100 mg/L, respectively, in wells GWC-45, GWC-45R, and GWC-48 exceed their respective intrawell prediction limits as shown on **Table 1**. Variations in TDS concentrations reflect natural variations in groundwater quality at the Site and are not the result of a release from Landfill Cells 9 & 10. The following information supporting this conclusion include.

Similar TDS Trend in Regional Wells

- The TDS statistical exceedances reported in Landfill Cells 9 & 10 downgradient wells GWC-45, GWC-45R, and GWC-48 are relatively low, and are comparable to concentrations (ranging from 112 to 337 mg/L) in regional wells screened in Knox Dolomite and Newala Limestone (Croft, 1963).

Similar TDS Trend in Upgradient Wells

- The TDS concentrations in the upgradient wells of Landfill Cells 9 & 10 from February 2016 to March 2020 ranged from 18.0 to 249 mg/L. TDS concentration of GWC-45, GWC-45R, and GWC-48 are within this range. (**Figure 15: TDS in Wells GWC-45, GWC-45R, and GWC-48 Compared to Upgradient Wells**). Landfill Cells 9 & 10 upgradient wells also exhibited increases in TDS concentrations from September 2019 to March 2020 similar to wells GWC-45, GWC-45R, and GWC-48 (**Figure 15**).
- TDS concentrations in wells GWC-45, GWC-45R, and GWC-48 are affected by recharge as indicated on **Figure 16: TDS and Groundwater Elevations** that show GWC-45, GWC-45R, and GWC-48 TDS concentration trend is very similar to the groundwater elevation trend. The similarity of increases in concentrations in upgradient wells concurrent with increases in downgradient wells and increasing concentrations in response to rising groundwater elevations indicates the TDS in wells GWC-45, GWC-45R, and GWC-48 are attributed to natural variations in groundwater quality.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This ASD has been prepared in response to apparent SSIs presented in the *2020 Semi-Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Company Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10, dated August 31, 2020, for specific wells that had not previously been addressed in past ASDs, although the constituents themselves have been addressed in past ASDs. Based on the information presented herein, which is similar to the rationale presented for these constituents in previous ASDs, alternate sources were identified for the statistical exceedances for each of the following wells and constituents.

Constituent	Wells with Constituent Concentrations Above Statistical Prediction Limits
Barium	GWC-49R
Zinc	GWC-47R
pH	GWC-9, GWC-49R
Calcium	GWC-5, GWC-6, GWC-45R
Chloride	GWC-10R, GWC-14Z, GWC-45R
Sulfate	GWC-14Z, GWC-21R, GWC-45R
Total Dissolved Solids	GWC-45, GWC-45R, GWC-48

As outlined in Section 3, the statistical exceedances are due to variability in the groundwater quality and are not an indication of a release from the lined Landfill Cells 1 & 2, 3 & 4, and 9 & 10. The locations have met the requirements for a demonstration listed in 391-3-4.14.23(c). Therefore, the locations should remain in CCR detection monitoring at this time. Detection monitoring results and D&O Plan target metals results should continue to be presented in the subsequent semi-annual groundwater monitoring reports.

5.0 REFERENCES

- Amec Foster Wheeler Environment & Infrastructure, Inc., 2017. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration Cells 3 & 4 (Antimony in wells GWC-16R and GWC-21R, and Nickel in wells GWC-16R), August 30, 2017.
- Croft, M.G., 1963. Geology and ground-water resources of Bartow County, Georgia. U.S. Geological Survey Water-Supply Paper 1619-FF, 37 p.
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- Wood Environment & Infrastructure Solutions, Inc., 2018. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration Cells 1 & 2, 3 & 4, and 9 & 10 (Barium, Zinc, pH, Calcium, Chloride, Sulfate, and TDS various wells), April 19, 2018.

TABLES

**TABLE 1
SUMMARY OF MARCH 2020 STATISTICAL EXCEEDANCES NOT PREVIOUSLY ADDRESSED IN AN ASD**

Cell	Well	Parameter	SSI During Previous Monitoring Event (September 2019)	Initial Exceedance Concentration (March 2020)	Prediction Limit	Initial Exceedance Verified?
			Yes/No	mg/L	mg/L	(Verified/Not Verified)
Cell 1 & 2	GWC-5	Calcium	No	12.1	8.151	Verified
Cell 1 & 2	GWC-6	Calcium	No	16.2	16.11	Verified
Cell 1 & 2	GWC-10R	Chloride	No	3.0	2.988	Verified
Cell 1 & 2	GWC-14Z	Chloride	Yes	4.2	2.988	Verified
Cell 1 & 2	GWC-14Z	Sulfate	No	11.1	8.012	Verified
Cell 1 & 2	GWC-9	pH	No	4.8	5.1-7.7	Verified
Cell 3 & 4	GWC-21R	Sulfate	No	11.3	7.908	Verified
Cell 9 & 10	GWC-49R	Barium	Yes	0.026	0.01169	Verified
Cell 9 & 10	GWC-47R	Zinc	Yes	0.032	0.01788	Verified
Cell 9 & 10	GWC-45R	Calcium	No	43.5	41.57	Verified
Cell 9 & 10	GWC-45R	Chloride	No	4.4	4.3	Verified
Cell 9 & 10	GWC-45R	Sulfate	No	5.2	4.171	Verified
Cell 9 & 10	GWC-45	TDS	No	60.0	39.0	Verified
Cell 9 & 10	GWC-45R	TDS	No	245	226.6	Verified
Cell 9 & 10	GWC-48	TDS	No	100	62.49	Verified
Cell 9 & 10	GWC-49R	pH	Yes	8.2	5.5-7.9	Verified

Note:

The exceedances are listed as verified because the wells were not resampled and the exceedances were for the same constituents (barium, zinc, calcium, chloride, pH, sulfate, and TDS) that have been addressed in previous ASDs.

**TABLE 2
EVALUATION OF STATISTICAL EXCEEDANCES FOR LANDFILL CELLS 1 & 2 - MARCH 2020**

Parameters		Boron	Calcium	Chloride	Fluoride	pH	Sulfate	TDS	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Statistical Method		Interwell	Intrawell	Interwell	Interwell	Interwell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell
Wells	Hydrogeologic Location	Appendix III								Georgia Solid Waste Permit Metals														
GWC-10	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-10R	Downgradient	0	0	1***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-11	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-11R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-12	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-13	Downgradient	0	0	1^	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-13RZ	Downgradient	0	0	1^	0	0	0	0	0	0	1^	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-14Z	Downgradient	0	0	1***	0	0	1***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-15R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-15Z	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-5	Downgradient	0	1***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-6	Downgradient	0	1***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-6RZ	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-7Z	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-8RR	Downgradient	0	0	0	0	1^	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-8Z	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-9	Downgradient	0	0	0	0	1***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

0 Indicates the parameter concentration did not exceed a statistical prediction limit

1 Indicates the parameter concentration was above the statistical prediction limit

^ Exceedance addressed in April 2018 ASD

*** Exceedance not addressed in previous ASD

**TABLE 3
EVALUATION OF STATISTICAL EXCEEDANCES FOR LANDFILL CELLS 3 & 4 - MARCH 2020**

Parameters		Boron	Calcium	Chloride	Fluoride	pH	Sulfate	TDS	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
Statistical Method		Interwell	Intrawell	Intrawell	Interwell	Interwell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	
Wells	Hydrogeologic Location	Appendix III								Georgia Solid Waste Permit Metals															
GWC-16R	Downgradient	0	1 [^]	0	0	0	0	0	1 [^]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-17R	Downgradient	0	1 [^]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-18	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-18R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-19R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-20R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-21R	Downgradient	0	1 [^]	0	0	0	1 ^{***}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-22R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-23R	Downgradient	0	1 [^]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-24R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-25R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
0 Indicates the parameter concentration did not exceed a statistical prediction limit
1 Indicates the parameter concentration was above the statistical prediction limit
[^] Exceedance addressed in August 2017 ASD and/or April 2018 ASD
^{***} Exceedance not addressed in previous ASD

**TABLE 4
EVALUATION OF STATISTICAL EXCEEDANCES FOR LANDFILL CELLS 9 & 10 - MARCH 2020**

Parameters		Boron	Calcium	Chloride	Fluoride	pH	Sulfate	TDS	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Statistical Method		Interwell	Intrawell	Intrawell	Interwell	Interwell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell	Intrawell
Wells	Hydrogeologic Location	Appendix III							Georgia Solid Waste Permit Metals															
GWC-44	Downgradient	0	0	0	0	1 ^ ^	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-45	Downgradient	0	0	0	0	1 ^ ^	0	1 ***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-45R	Downgradient	0	1 ***	1 ***	0	0	1 ***	1 ***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-46R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-47	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 ^ ^
GWC-47R	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 ***
GWC-48	Downgradient	0	0	0	0	1 ^ ^	0	1 ***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-49R	Downgradient	0	0	0	0	1 ***	0	0	0	0	1 ***	0	0	0	0	0	0	0	0	0	0	0	0	0
GWC-49Z	Downgradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 0 Indicates the parameter concentration did not exceed a statistical prediction limit
 1 Indicates the parameter concentration was above the statistical prediction limit
 ^ Exceedance addressed in April 2019 ASD
 *** Exceedance not addressed in previous ASD

**TABLE 5
SUMMARY OF GEOCHEMICAL DATA**

Landfill Cell	Type	Water Unit	Well	Alkalinity Carbonate as CaCO3	Calcium	Chloride	Magnesium	pH	Potassium	Sodium	Sulfate	Total Dissolved Solids	Major Cation	Major Anion	Major Charge Balance Percent
Cells 1&2	UP	OB	GWA-3	1	1.2	1.5	0.35	5.4	0.26	1.7	1	25	Sodium	Bicarbonate	4.8
Cells 1&2	UP	OB	GWA-50	1	1.8	1.4	0.33	5.64	0.34	2.5	1	25	Sodium	Bicarbonate	-3.1
Cells 1&2	DOWN	OB	GWC-13	1	40.9	4.6	11.7	7.33	2.4	2.3	59.1	211	Calcium	Bicarbonate	1.9
Cells 1&2	DOWN	OB	GWC-15Z	1	25	0.8	14.4	7.89	0.97	2	1.6	119	Calcium	Bicarbonate	8.7
Cells 1&2	UP	ROCK	GWA-1	1	28.5	1.7	16.6	7.58	1.3	6.1	1.5	140	Calcium	Bicarbonate	5.7
Cells 1&2	UP	ROCK	GWA-2	1	63	1.9	17.8	6.55	1	2	147	295	Calcium	Sulfate	7.4
Cells 1&2	UP	ROCK	GWA-2R	1	33	1.6	12	7.31	0.37	2.2	14.8	130	Calcium	Bicarbonate	13.4
Cells 1&2	UP	ROCK	GWA-4RZ	1	47.5	2.9	22.4	7.3	0.73	5.4	25.4	237	Calcium	Bicarbonate	6.5
Cells 1&2	UP	ROCK	GWA-50R	1	2.6	1.1	1.1	5.46	0.26	1.1	1	25	Calcium	Bicarbonate	10.1
Cells 1&2	DOWN	ROCK	GWC-11R	1	27.5	2	15.2	7.72	1.2	0.91	2.2	139	Calcium	Bicarbonate	7.2
Cells 1&2	DOWN	ROCK	GWC-13RZ	1	41.4	8.3	19.4	7.58	1.2	29.1	75.8	281	Calcium	Bicarbonate	2.7
Cells 1&2	DOWN	ROCK	GWC-8RR	1	25	1.3	10.8	7.9	1.2	1.1	1.2	117	Calcium	Bicarbonate	10.3
Cells 3&4	UP	OB	GWA-36	1	25	2.2	7.3	6.6	0.49	3.5	1	81	Calcium	Bicarbonate	28.0
Cells 3&4	UP	OB	GWA-37	1	0.81	1.1	0.33	5.72	0.84	3.2	1	25	Sodium	Bicarbonate	0.8
Cells 3&4	UP	OB	GWA-38	1	1.4	2.4	0.4	5.57	0.41	4.7	1.5	33	Sodium	Bicarbonate	7.8
Cells 3&4	UP	OB	GWA-52	1	26.2	3	15	7.34	0.96	3.7	8.5	150	Calcium	Bicarbonate	6.5
Cells 3&4	UP	OB	GWA-53	1	28.6	2.7	17.1	7.74	0.68	1.5	1.9	138	Calcium	Bicarbonate	10.2
Cells 3&4	UP	OB	GWA-54	1	25	0.93	14.3	7.39	0.9	3.3	4.9	133	Calcium	Bicarbonate	15.4
Cells 3&4	UP	OB	GWA-55	1	39.6	3.6	23.2	7	1.2	0.85	28.7	212	Calcium	Bicarbonate	7.5
Cells 3&4	UP	OB	GWA-56	1	26	6.9	21.1	8.03	2.2	72.8	94.8	349	Sodium	Bicarbonate	5.6
Cells 3&4	UP	ROCK	GWA-36R	1	30.6	3.2	17.8	7.26	1.2	1.7	8.2	169	Calcium	Bicarbonate	7.7
Cells 3&4	UP	ROCK	GWA-51RZ	1	46.1	3.3	22.5	7.62	1.1	3.5	27.3	233	Calcium	Bicarbonate	5.2
Cells 3&4	UP	ROCK	GWA-53R	1	29.3	2.6	16.9	7.8	0.7	1.5	1.9	132	Calcium	Bicarbonate	11.2
Cells 3&4	UP	ROCK	GWA-55R	1	38.2	3.2	23	7.11	0.97	1.2	22	207	Calcium	Bicarbonate	8.5
Cells 3&4	DOWN	ROCK	GWC-16R	1	60.6	2.1	35.8	7.11	1.1	8.2	8.8	312	Calcium	Bicarbonate	7.9
Cells 3&4	DOWN	ROCK	GWC-17R	1	65.6	6.1	38.9	7.16	0.73	2.5	7	323	Calcium	Bicarbonate	10.9
Cells 3&4	DOWN	ROCK	GWC-21R	1	65.6	4.4	40.4	6.99	1.1	1.5	1	306	Magnesium	Bicarbonate	10.8
Cells 3&4	DOWN	ROCK	GWC-22R	1	32.1	2.8	18.7	7.49	0.88	1.7	2.4	159	Calcium	Bicarbonate	7.8
Cells 3&4	DOWN	ROCK	GWC-23R	1	59.9	2.2	39.1	7.4	0.7	7.5	14	290	Magnesium	Bicarbonate	9.0
Cells 9&10	UP	OB	GWA-39Z	1	26.4	1.4	15.5	7.42	1.2	1.2	3.8	126	Calcium	Bicarbonate	8.6
Cells 9&10	UP	OB	GWA-40	1	25.7	2.4	14.8	7.56	0.73	1.1	3.8	123	Calcium	Bicarbonate	7.4
Cells 9&10	UP	OB	GWA-41	1	39.6	3	23.2	7.08	1.8	0.97	11.5	192	Calcium	Bicarbonate	10.1
Cells 9&10	UP	OB	GWA-42	1	32.6	3.2	15.6	7.6	0.34	2.3	2.1	134	Calcium	Bicarbonate	8.9
Cells 9&10	UP	OB	GWA-43	1	3.6	1.3	0.46	5.85	0.51	1.3	1	25	Calcium	Bicarbonate	2.9
Cells 9&10	DOWN	OB	GWC-44	1	9	6.5	2.1	4.34	1.7	2.2	32.4	41	Calcium	Sulfate	-8.8
Cells 9&10	DOWN	OB	GWC-45	1	0.77	1.2	0.48	4.6	0.23	1.9	1	25	Sodium	Chloride	22.9
Cells 9&10	DOWN	OB	GWC-47	1	25	2.7	12.6	7.42	0.69	3	3.7	102	Calcium	Bicarbonate	9.6
Cells 9&10	DOWN	OB	GWC-48	1	3.5	2.6	0.35	5.14	0.27	2.3	1	25	Calcium	Bicarbonate	-2.2
Cells 9&10	DOWN	OB	GWC-49Z	1	0.81	1.4	0.24	5.12	0.55	3.5	2.4	25	Sodium	Bicarbonate	9.2
Cells 9&10	UP	ROCK	GWA-39RZ	1	32.6	2.6	17.6	7.49	1.1	5.8	15.5	150	Calcium	Bicarbonate	6.6
Cells 9&10	UP	ROCK	GWA-41R	1	41.4	4	23.8	7.04	2.4	0.74	10.9	210	Calcium	Bicarbonate	8.1
Cells 9&10	UP	ROCK	GWA-43R	1	28	2.8	16	7.66	0.55	1.4	5.1	117	Calcium	Bicarbonate	7.9
Cells 9&10	DOWN	ROCK	GWC-49R	1	25	1.6	14	7.51	0.75	1.9	3.1	88	Calcium	Bicarbonate	6.6

Notes:

UP = Upgradient well (background well)

DOWN = Downgradient well

OB = overburden water unit

ROCK = bedrock water unit

Data shown is from the March 2018 sampling event

The table is color-coded to show similarities and differences. The colors depict a ranking of the concentrations from highest to lowest along a column for a single parameter.

The highest concentrations are shown in dark red and the lowest concentration are shown in dark green with the concentrations between the highest and lowest shown in yellow.

Lighter shadings of red, green, and yellow indicate the next highest or next lowest concentration.

**TABLE 6
COMPARISONS OF BARIUM, ZINC, AND pH**

Barium Concentrations in Well GWC-49R	Barium Concentrations Prior to Waste Placement in Cells 9 & 10 in November 2015	Barium Concentrations in Cell 9 & 10 Upgradient Wells	Barium Concentrations in Sitewide Upgradient Wells
GWC-49R March 2020: 0.026 mg/L	August 2007 to October 2015 in Bedrock Well GWC-45R: 0.013 to 0.025 mg/L	March 2016 to March 2020 Bedrock Wells: 0.0069 to 0.0462 mg/L	March 2016 to March 2020 Bedrock Wells: 0.0048 to 0.053 mg/L
GWC-49R: March 2016 to March 2020: 0.0093 to 0.026 mg/L	August 2007 to October 2015 in Overburden Well GWC-45: 0.0055 to 0.11 mg/L	March 2016 to March 2020 Overburden Wells: 0.0043 to 0.037 mg/L	March 2016 to March 2020 Overburden Wells: 0.0041 to 0.042 mg/L
		March 2020 Bedrock Wells: 0.0069 to 0.031 mg/L	March 2020 Bedrock Wells: 0.0069 to 0.053 mg/L
		March 2020 Overburden Wells: 0.0066 to 0.022 mg/L	March 2020 Overburden Wells: 0.0041 to 0.039 mg/L
Zinc Concentrations in Well GWC-47R	Zinc Concentrations Prior to Waste Placement in Cells 9 & 10 in November 2015	Zinc Concentrations in Cell 9 & 10 Upgradient Wells	Zinc Concentrations in Sitewide Upgradient Wells
GWC-47R March 2020: 0.032 mg/L	August 2007 to October 2015 in Bedrock Well GWC-45R: 0.0027 to 0.051 mg/L	March 2016 to March 2020 Bedrock Wells: 0.0012 to 0.009 mg/L	March 2016 to March 2020 Bedrock Wells: 0.0012 to 0.0627 mg/L
GWC-47R: March 2016 to March 2020: 0.0111 to 0.032 mg/L	August 2007 to October 2015 in Overburden Well GWC-45: 0.003 to 0.31 mg/L	March 2016 to March 2020 Overburden Wells: 0.0013 to 0.0162 mg/L	March 2016 to March 2020 Overburden Wells: 0.0013 to 0.56 mg/L
		March 2020 Bedrock Wells: 0.0022 to 0.009 mg/L	March 2020 Bedrock Wells: 0.0022 to 0.056 mg/L
		March 2020 Overburden Wells: 0.002 to 0.012 mg/L	March 2020 Overburden Wells: 0.002 to 0.54 mg/L

**TABLE 6
COMPARISONS OF BARIUM, ZINC, AND pH**

pH Values in Wells GWC-9 and GWC-49R	Prediction Limits	pH Range Prior to Waste Placement	pH Range February 2016 to March 2020 (Sitewide Wells)
<p>Cells 1 & 2 GWC-9 March 2020: 4.8 su</p> <p>GWC-9 March 2016 to March 2020: 4.8 to 6.9 su</p>	7.7 to 5.1 su	<p>Cells 1 & 2 >8.5 to 4.6 su (August 2007 to December 2008)</p>	<p>10.6 to 4.3 su</p> <p>Sitewide Upgradient Wells February 2016 to March 2020 8.3 to 4.9 su</p> <p>Sitewide Downgradient Wells February 2016 to March 2020 10.6 to 4.3 su</p>
<p>Cells 9 & 10 GWC-49R March 2020: 8.2 su</p> <p>GWC-49R March 2016 to March 2020: 7.5 to 8.2</p>	7.9 to 5.5 su	<p>Cells 9 & 10 >8.5 to 4.5 su (Aug 2011)</p>	<p>10.6 to 4.3 su</p> <p>Sitewide Upgradient Wells February 2016 to March 2020 8.3 to 4.9 su</p> <p>Sitewide Downgradient Wells February 2016 to March 2020 10.6 to 4.3 su</p>

Notes:

mg/L – milligrams per liter

su – standard units

FIGURES

Legend

● Spring Sampling Location

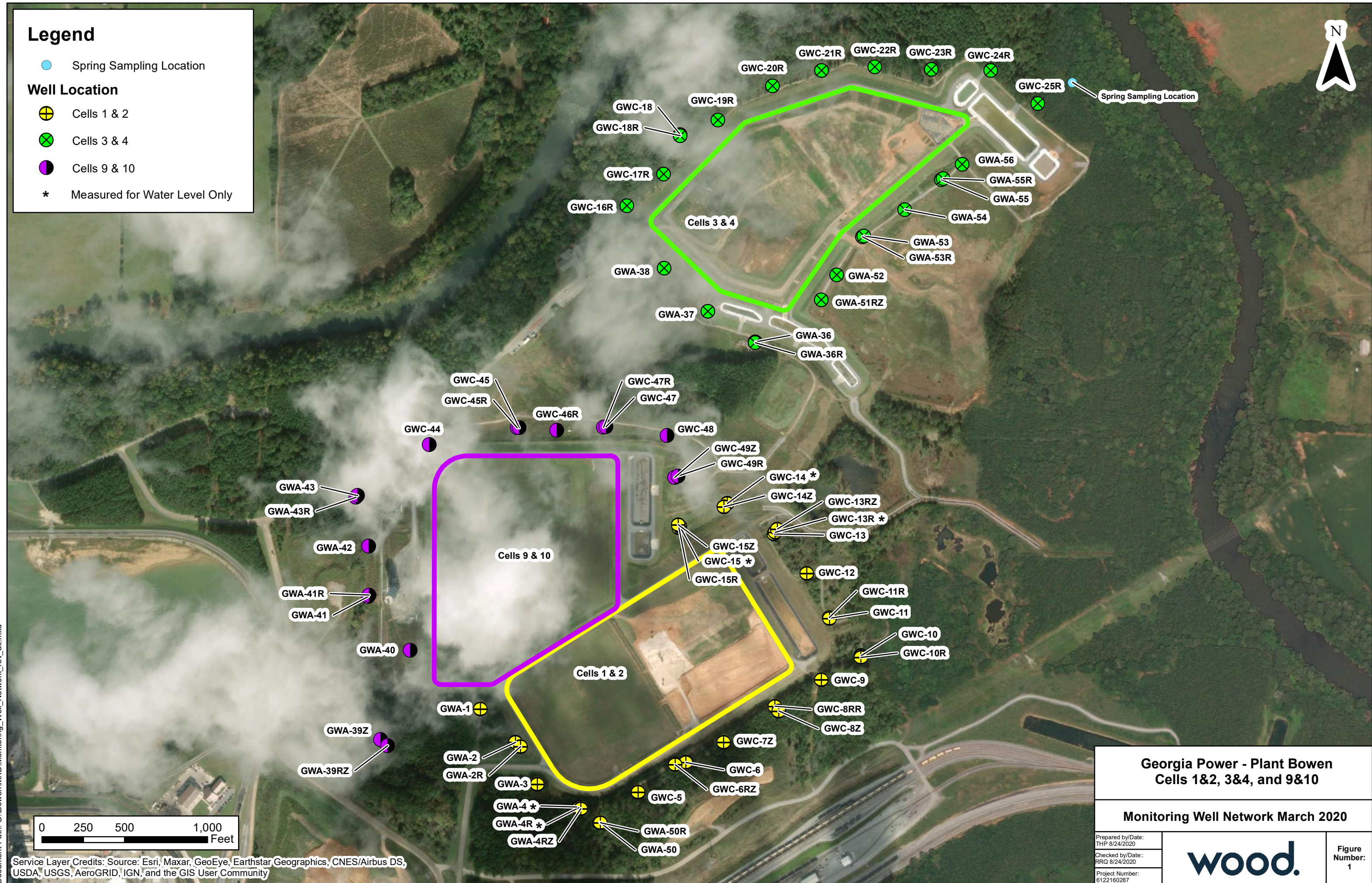
Well Location

⊕ Cells 1 & 2

⊗ Cells 3 & 4

● Cells 9 & 10

* Measured for Water Level Only



Georgia Power - Plant Bowen Cells 1&2, 3&4, and 9&10	
Monitoring Well Network March 2020	
Prepared by/Date: THP 8/24/2020	
Checked by/Date: RRQ 8/24/2020	
Project Number: 6122160287	
Figure Number: 1	

Document Path: G:\Bowen\MXD\Monitoring_Well_Network_rev_atl.mxd

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Figure 2A: Barium in Well GWC-49R Compared with Upgradient Wells

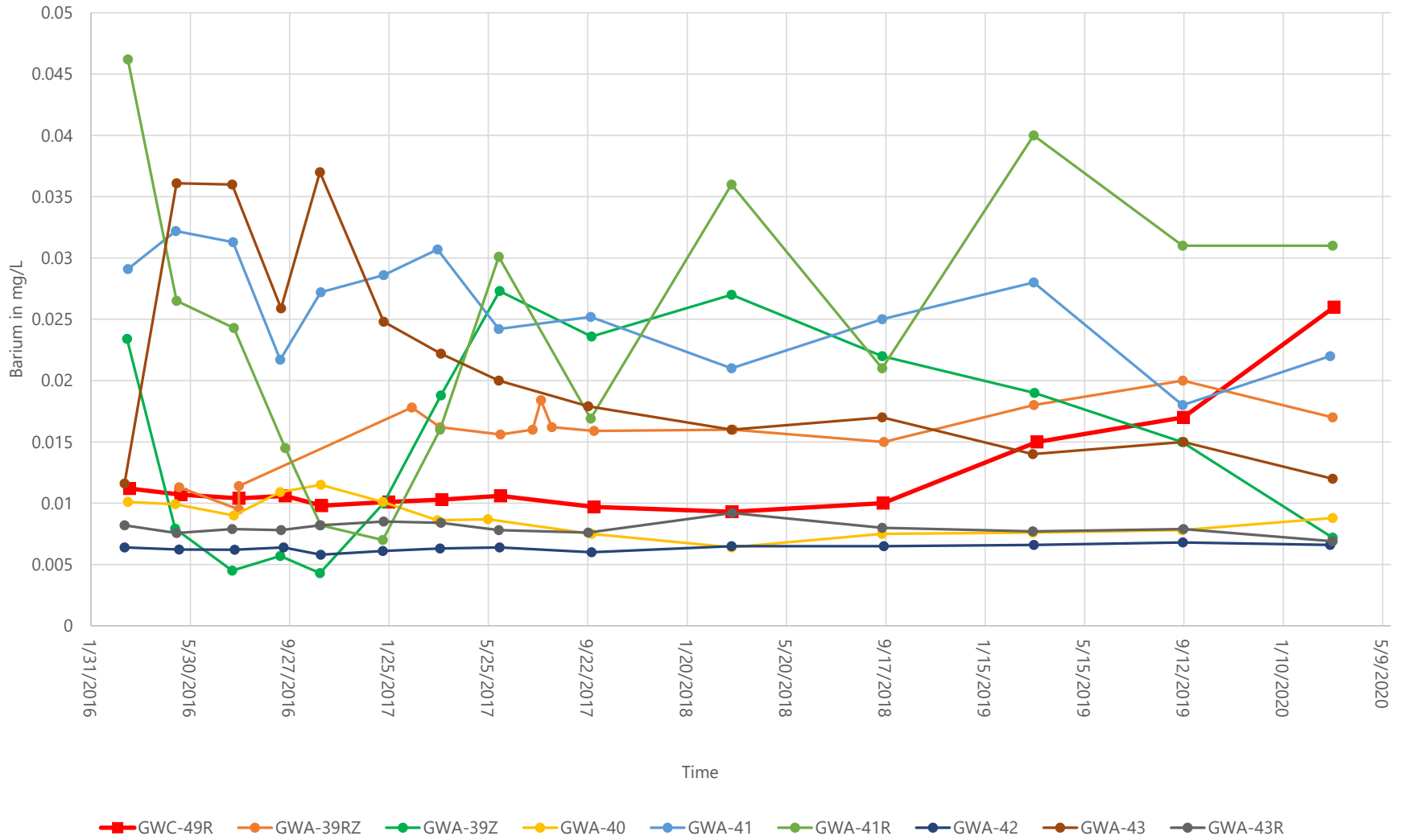


Figure 2B: Detected Metal Trends in Well GWC-49R

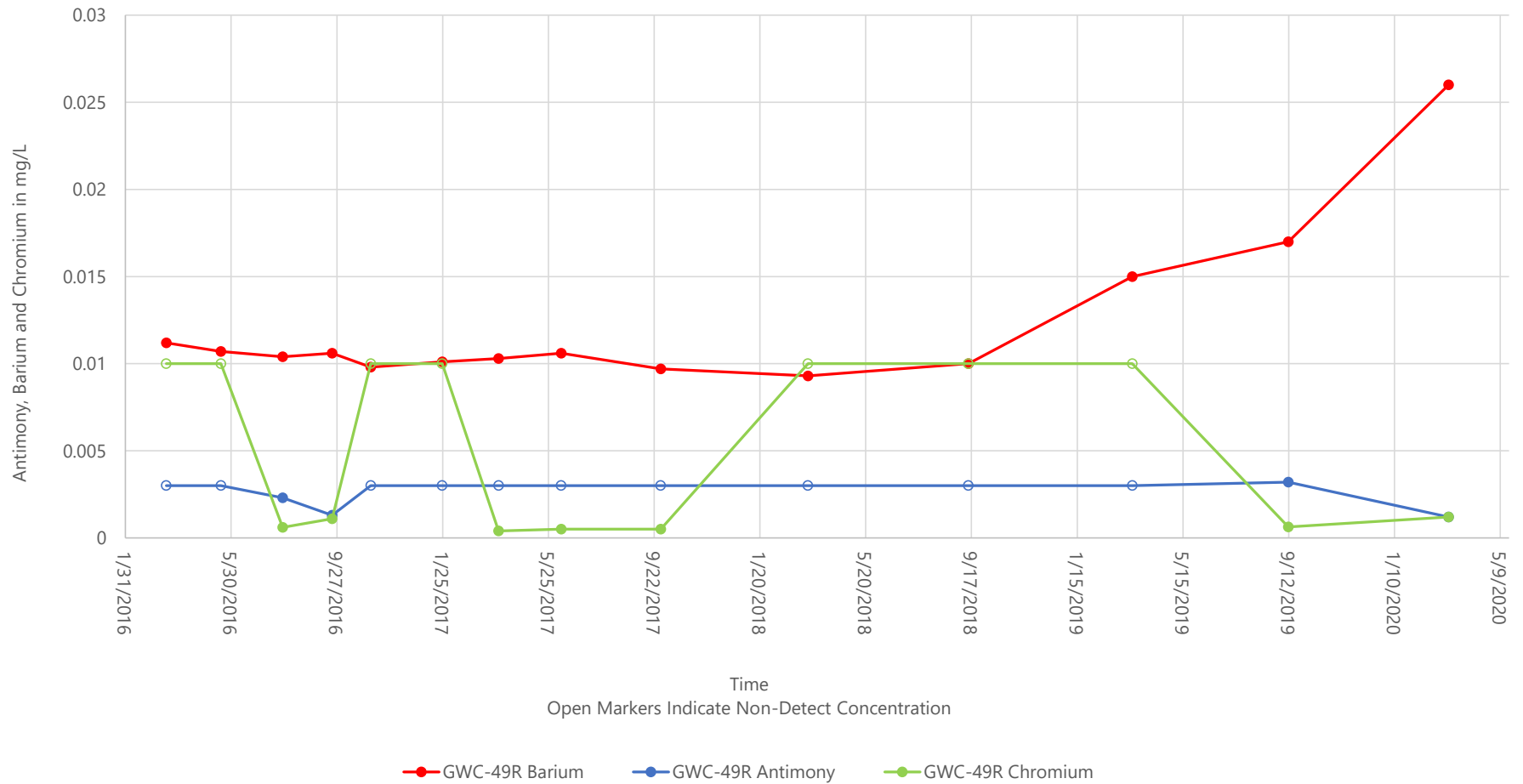


Figure 3: Zinc in Well GWC-47R Compared to Other Metals

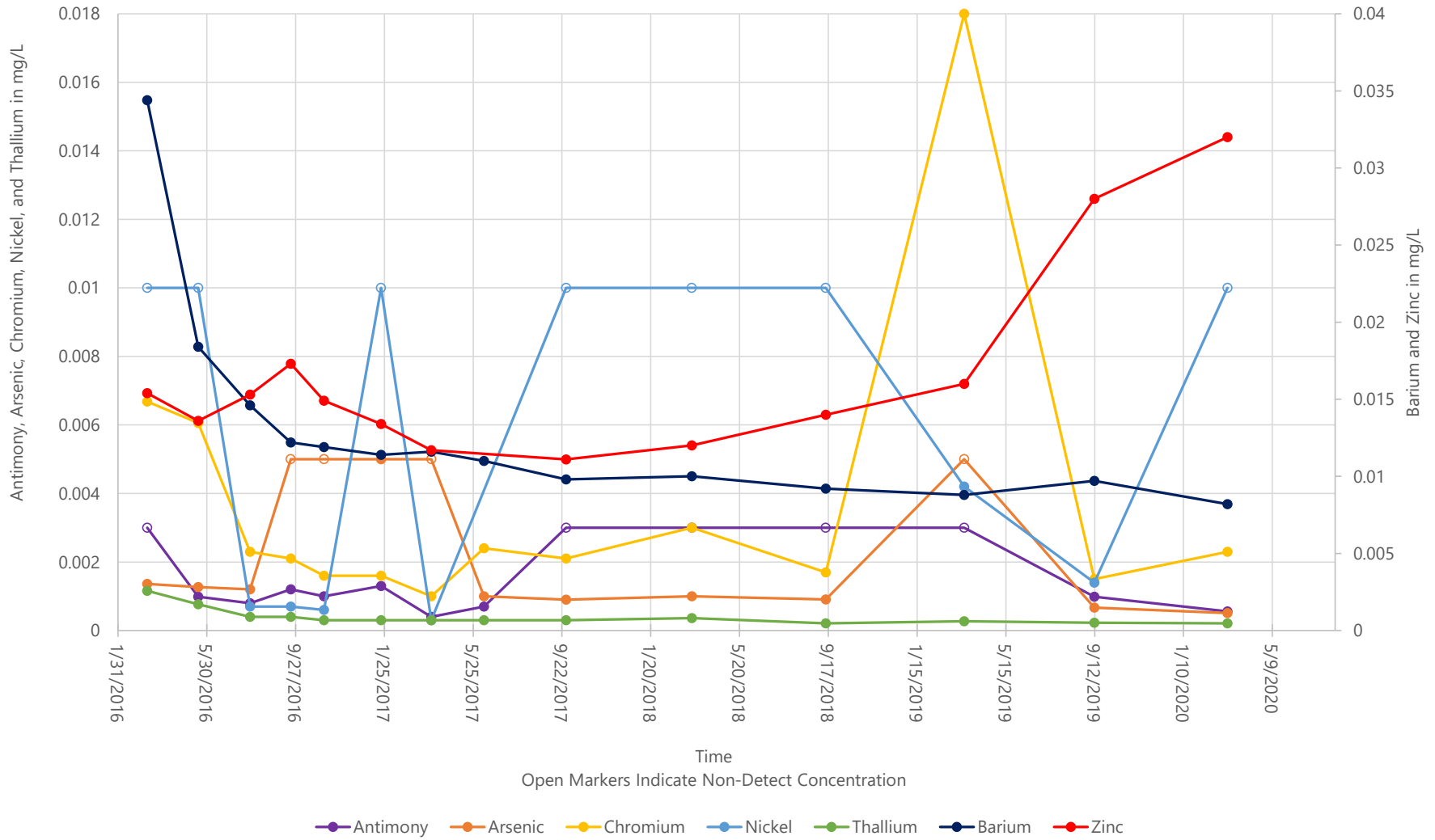


Figure 4: Trends in pH for Well GWC-9 and Adjacent Downgradient Wells

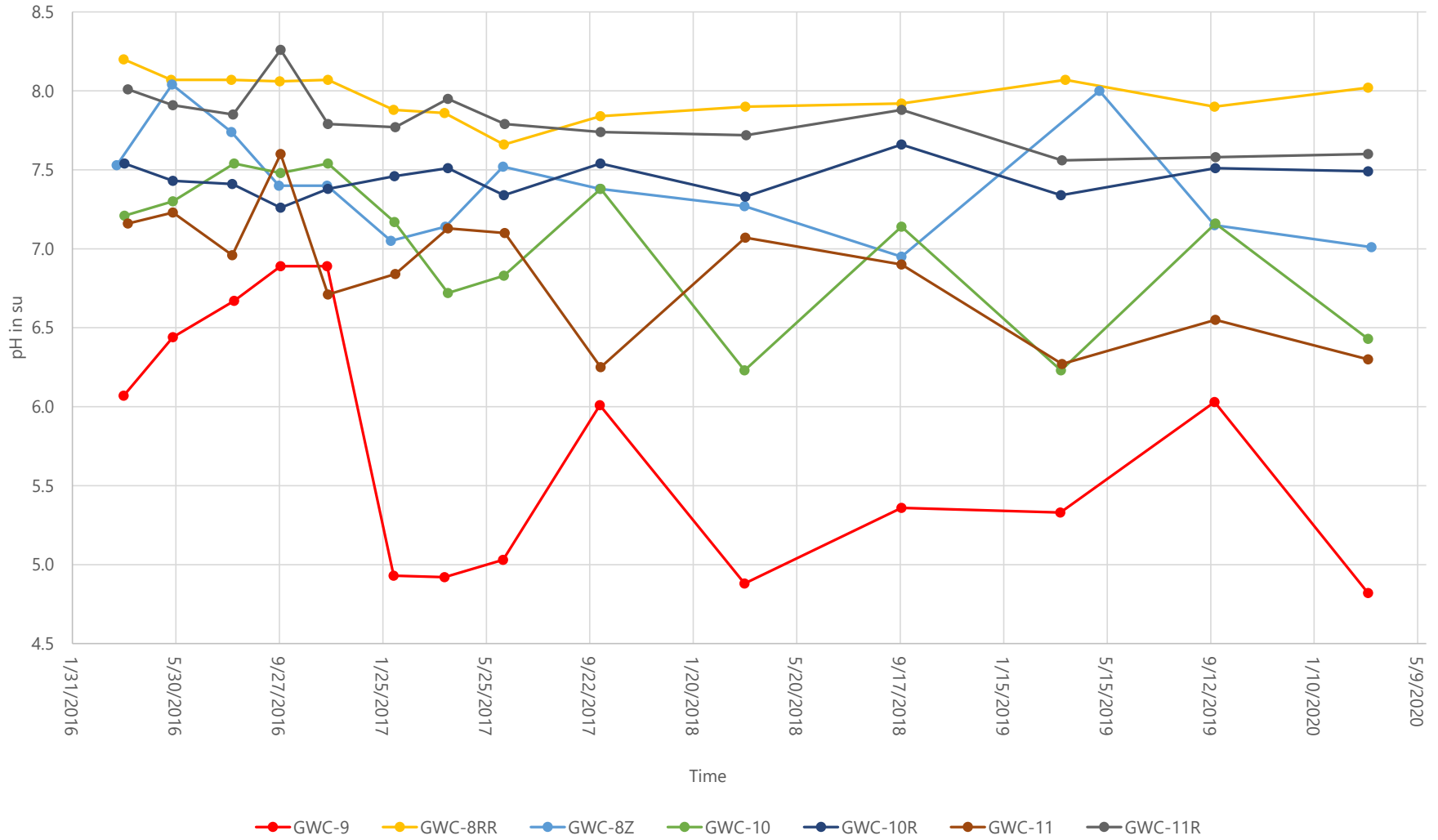


Figure 5: Trends in pH for Well GWC-49R and Adjacent Wells

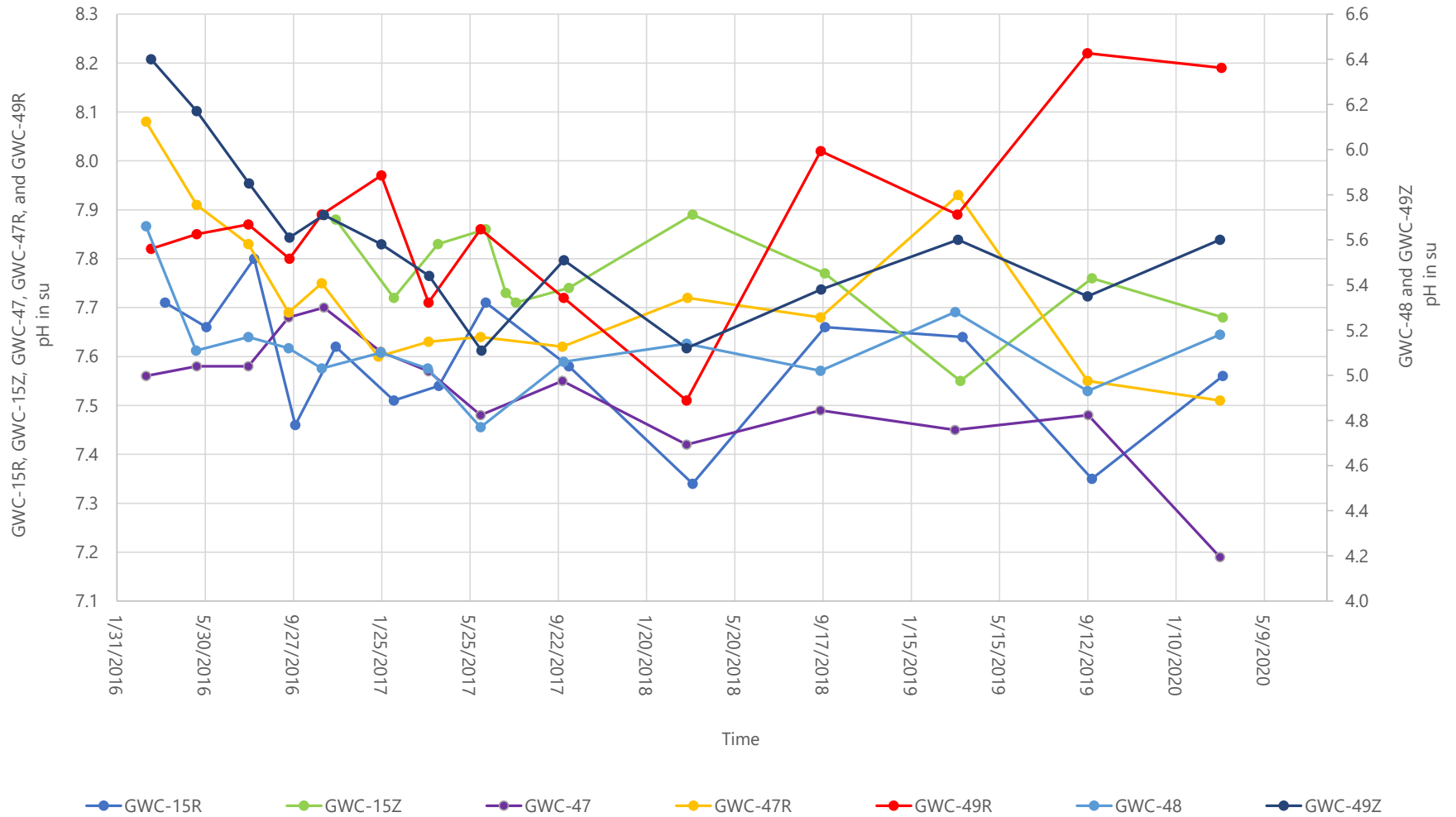


Figure 6: Calcium Trends in Wells GWC-5 and GWC-6 Compared to Upgradient Wells

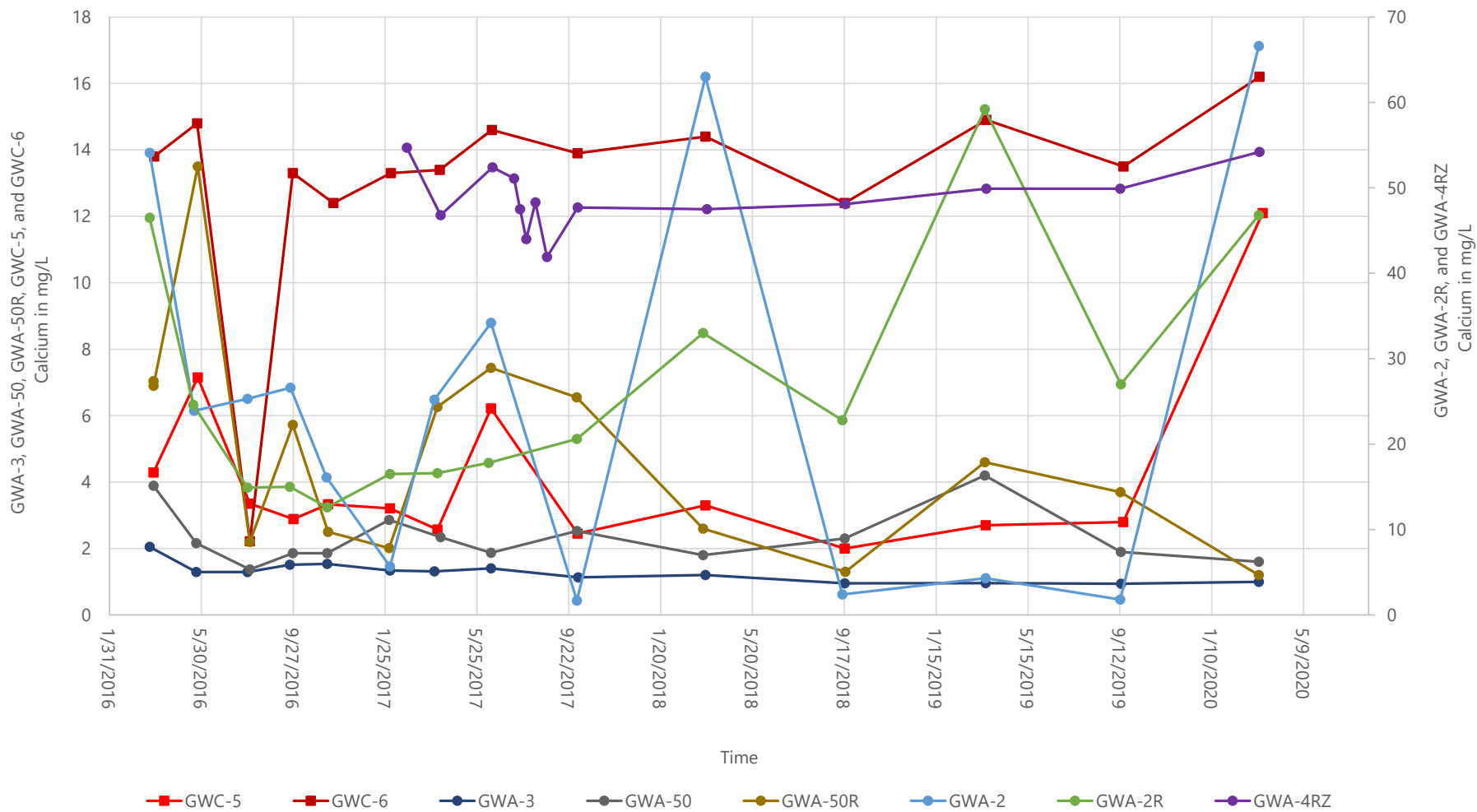


Figure 7: Calcium Trends in Well GWC-45R Compared to Upgradient Wells

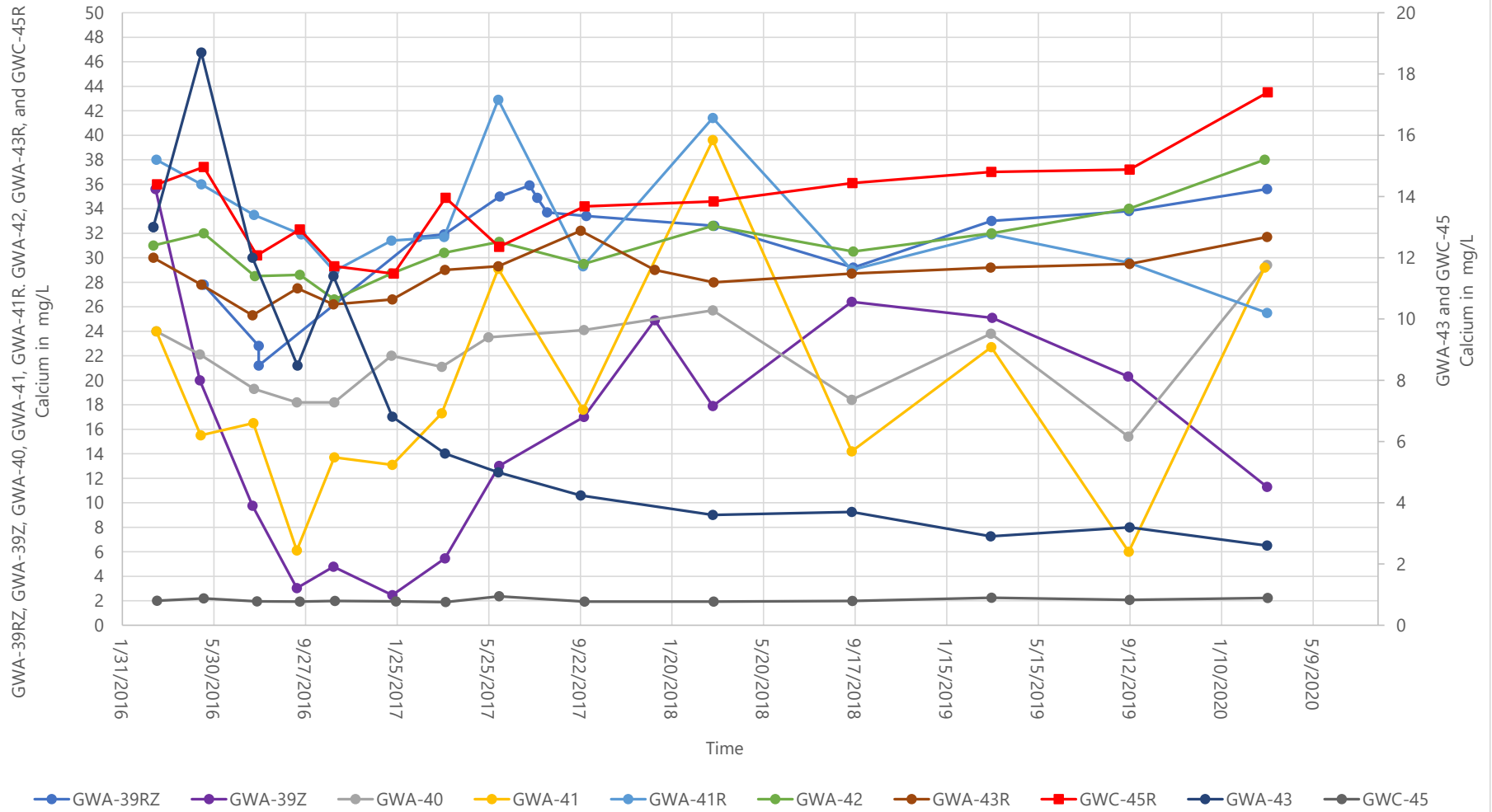


Figure 8: Chloride Trends in Wells GWC-10R and GWC-14Z Compared to Upgradient Wells

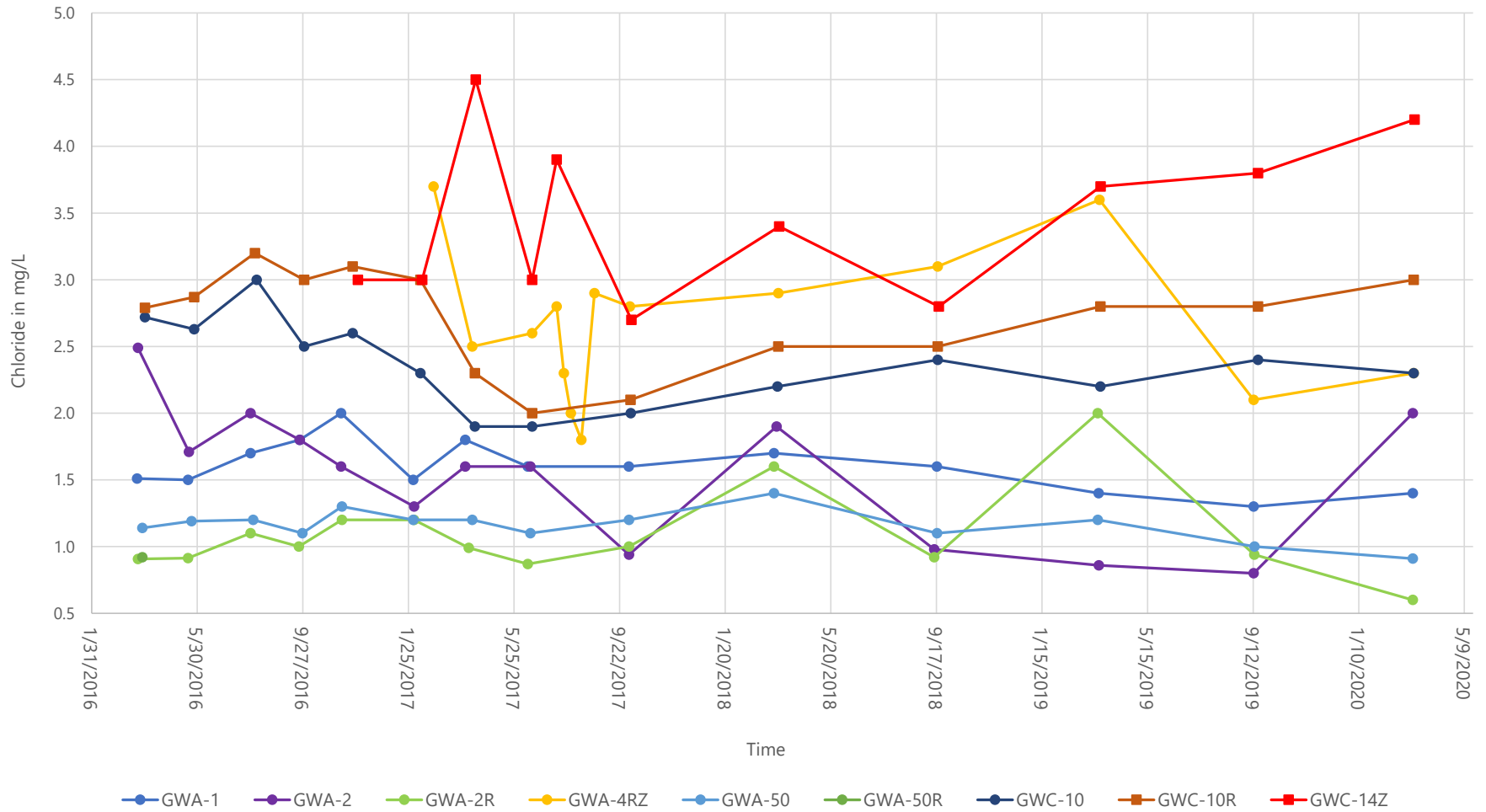


Figure 9: Chloride Trends in Well GWC-45R Compared to Upgradient Wells

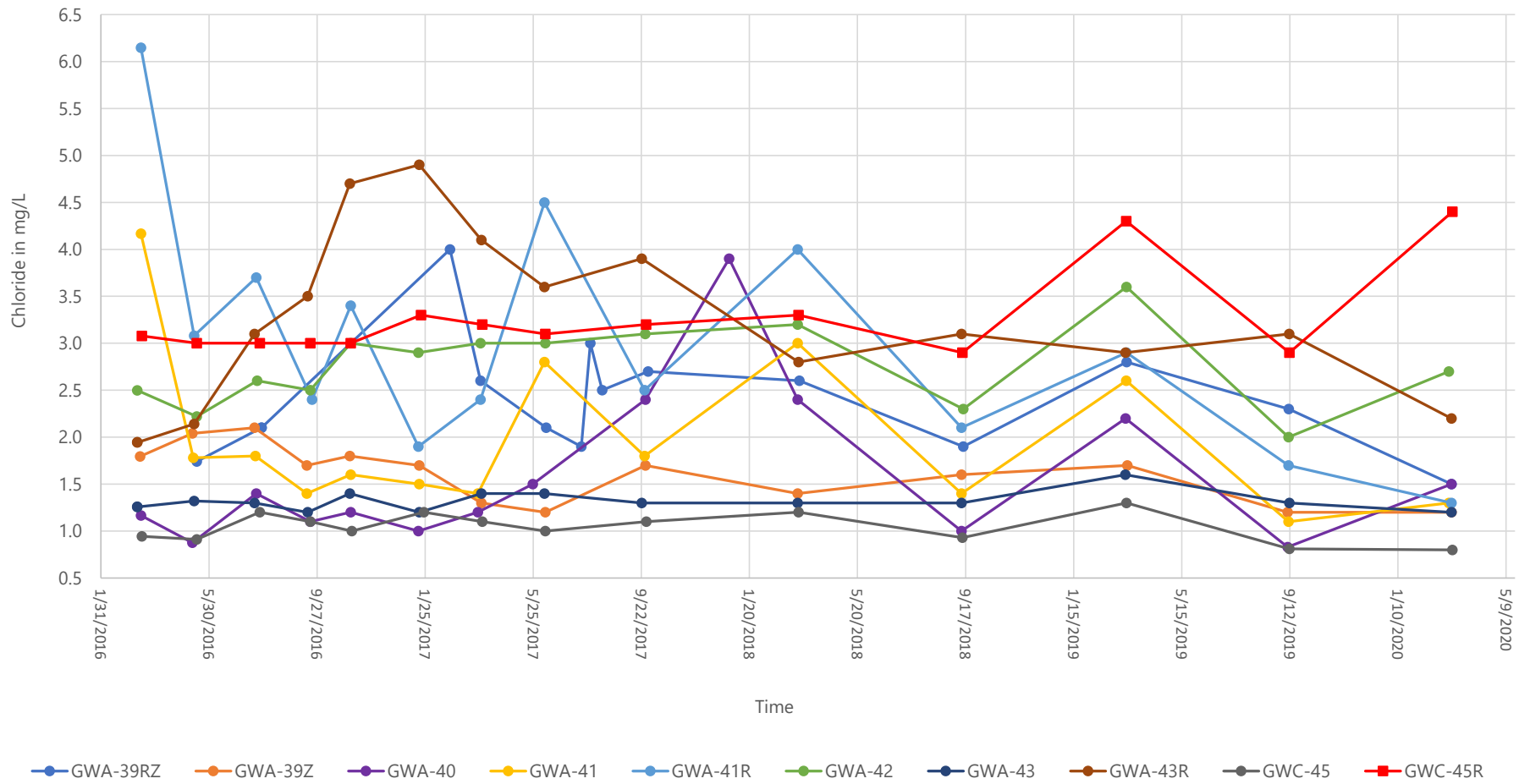


Figure 10: Wells GWC-10R, GWC-14Z and GWC-45R Chloride and Groundwater Elevations

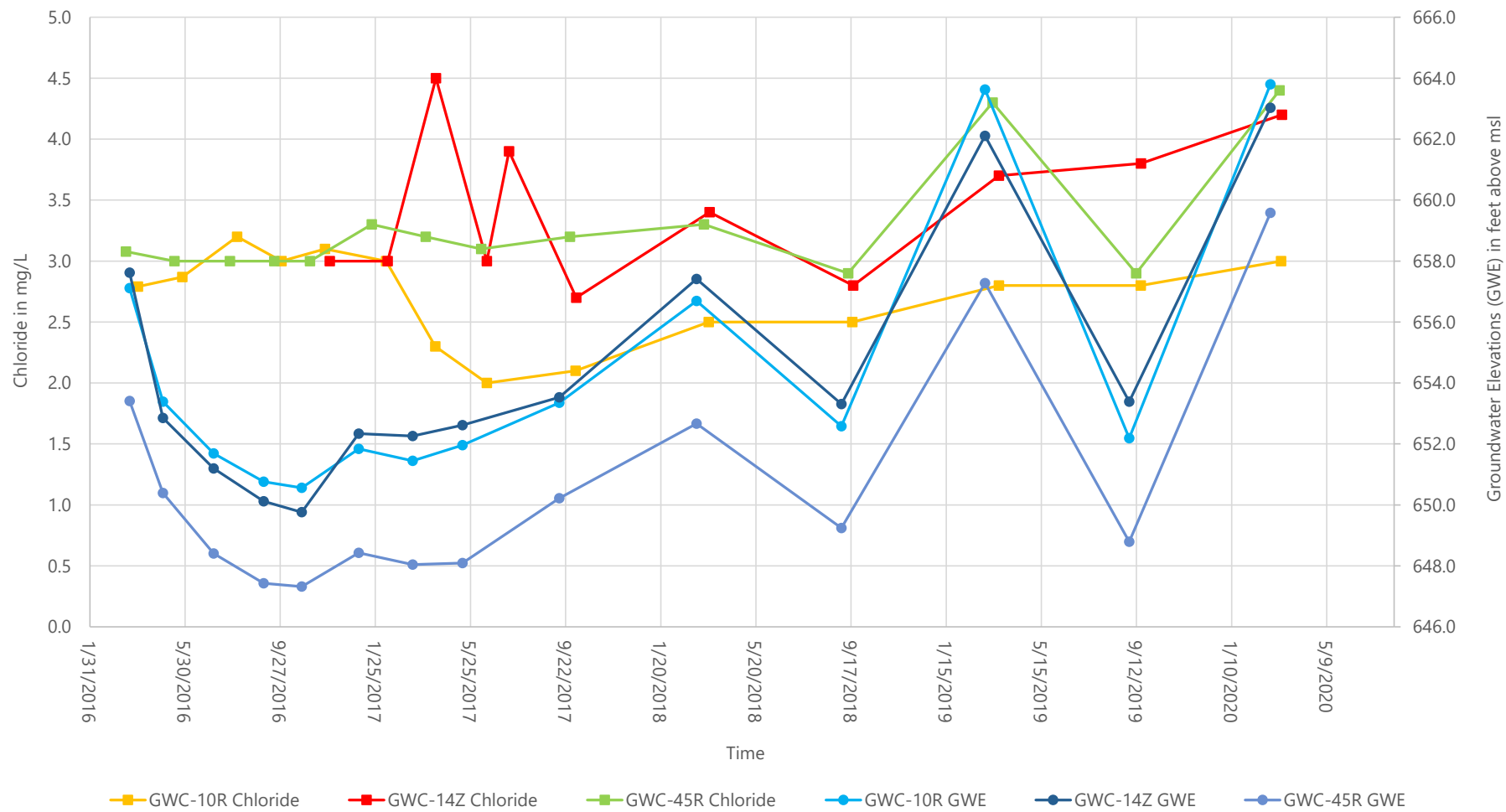


Figure 11: Sulfate Trends in Well GWC-14Z Compared to Upgradient Wells

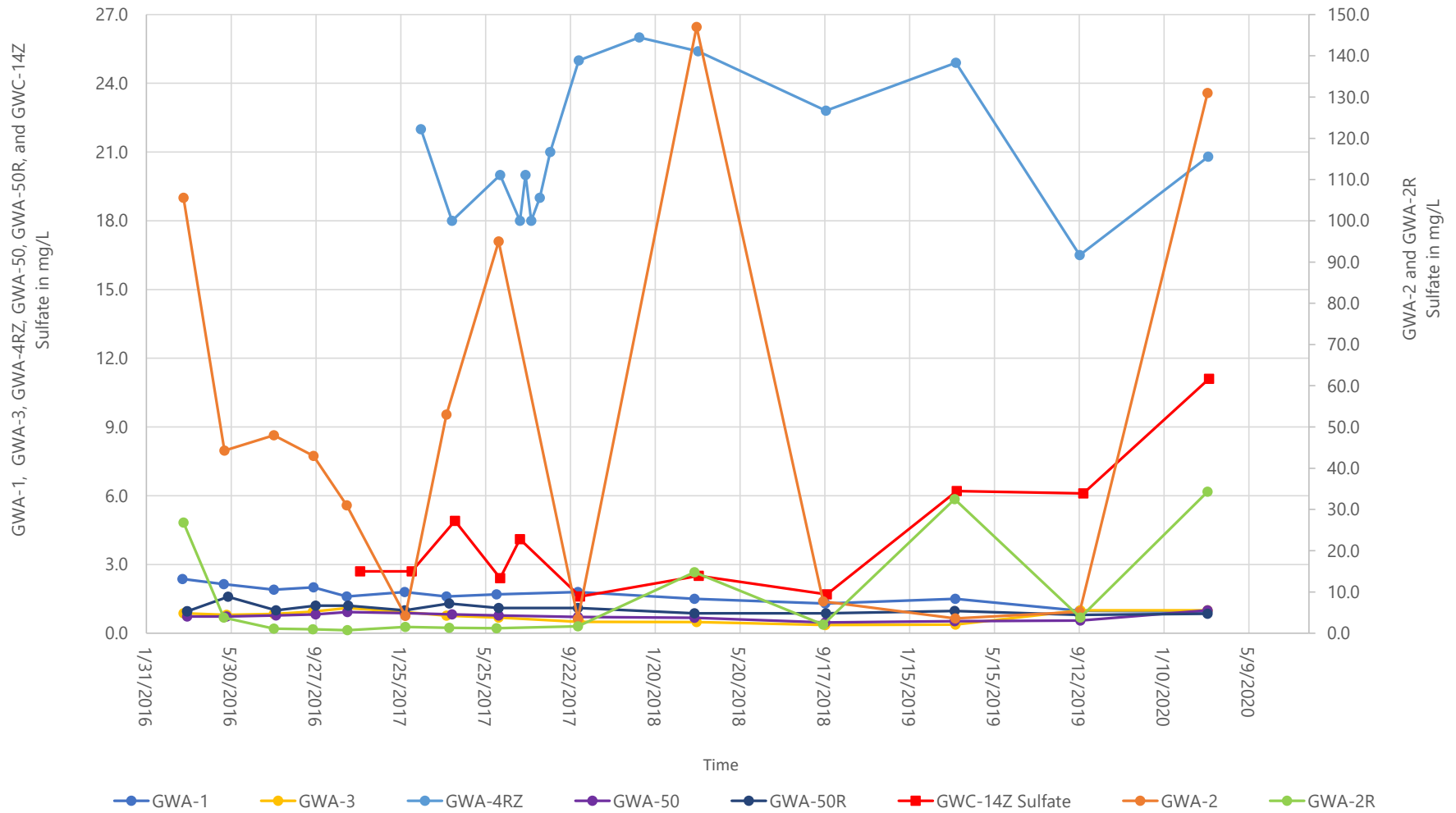


Figure 12: Sulfate Trends in Well GWC-21R Compared to Upgradient Wells

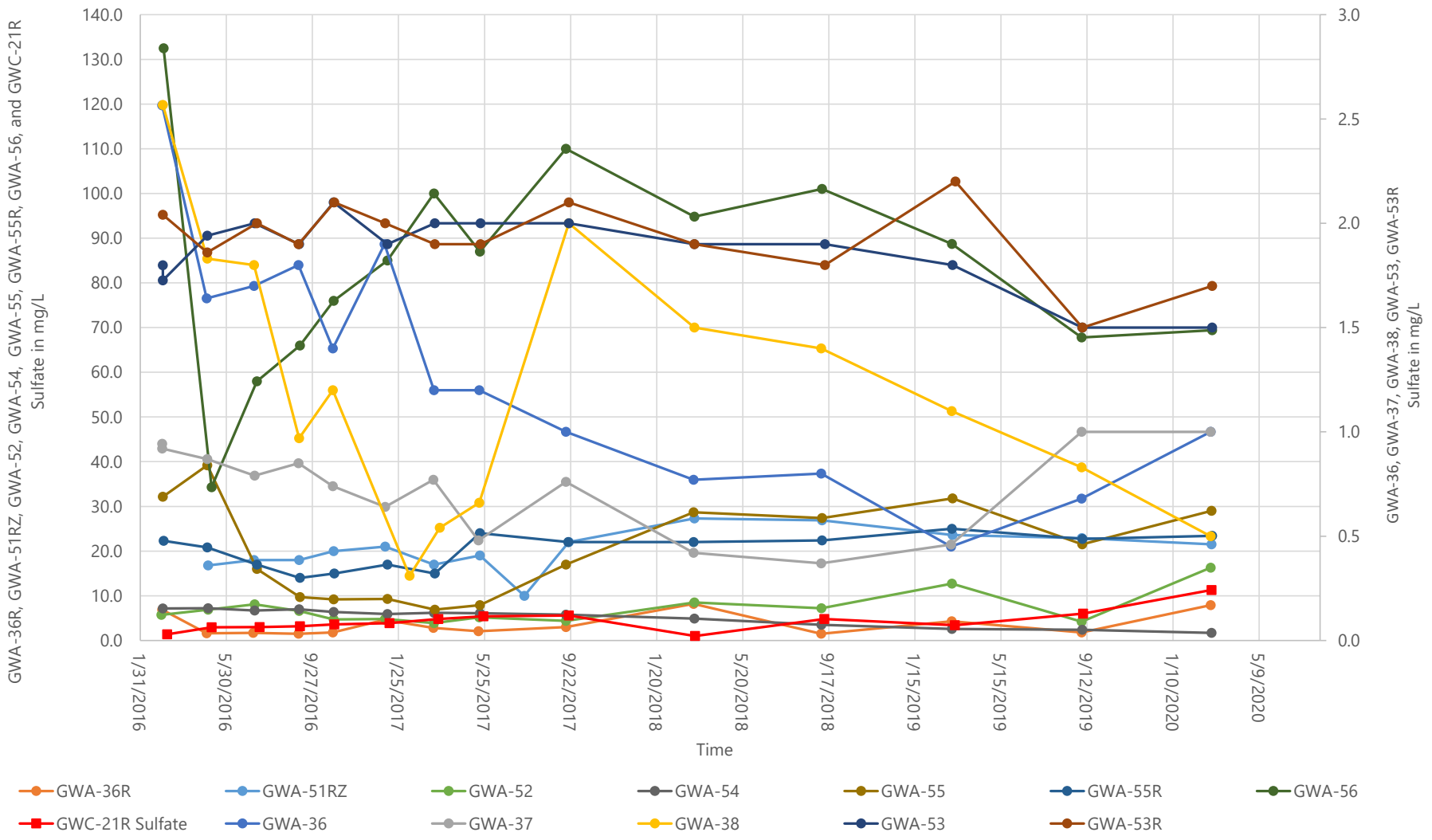


Figure 13: Sulfate Trends in Well GWC-45R Compared to Upgradient Wells

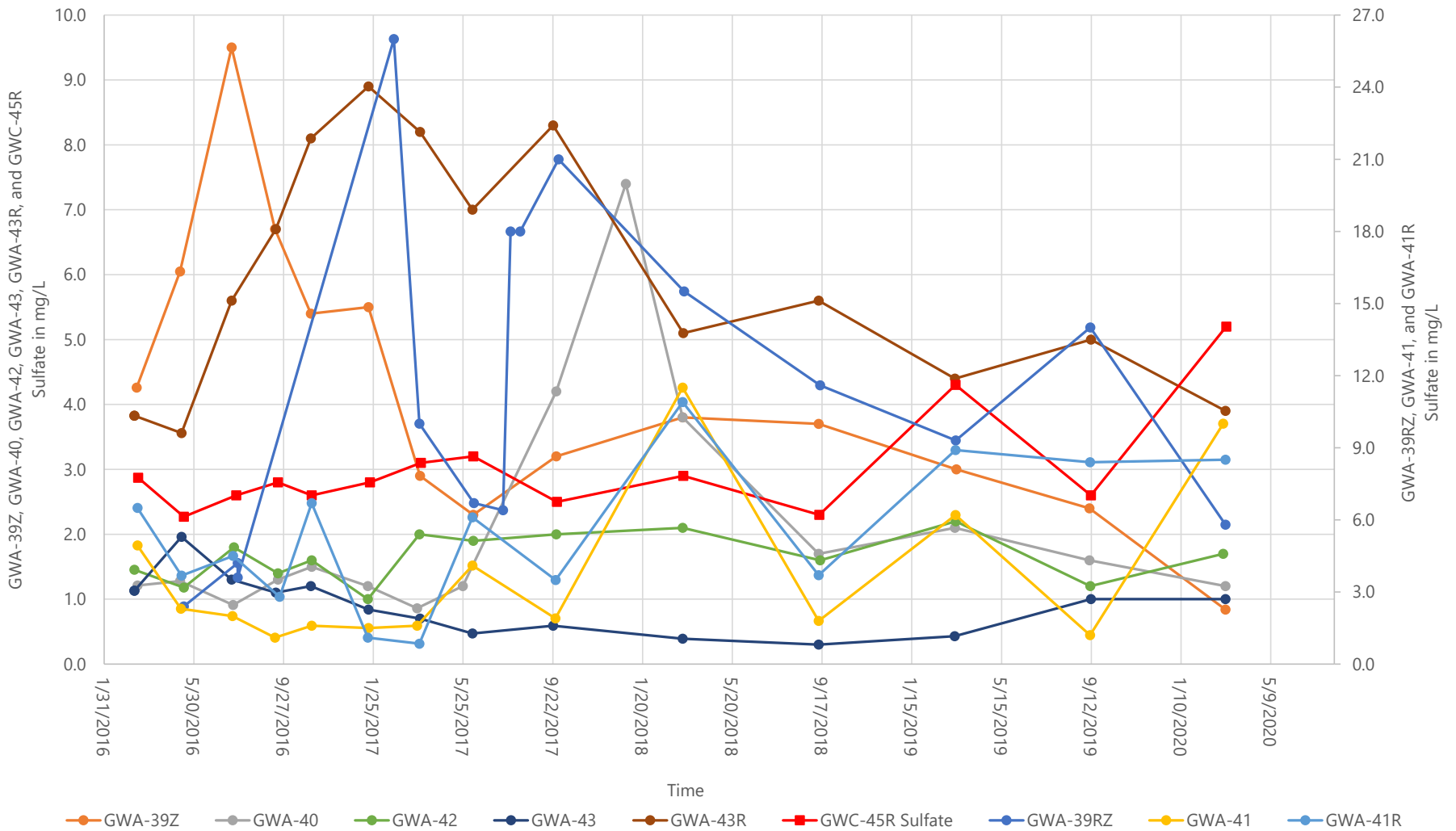


Figure 14: Sulfate and Groundwater Elevations

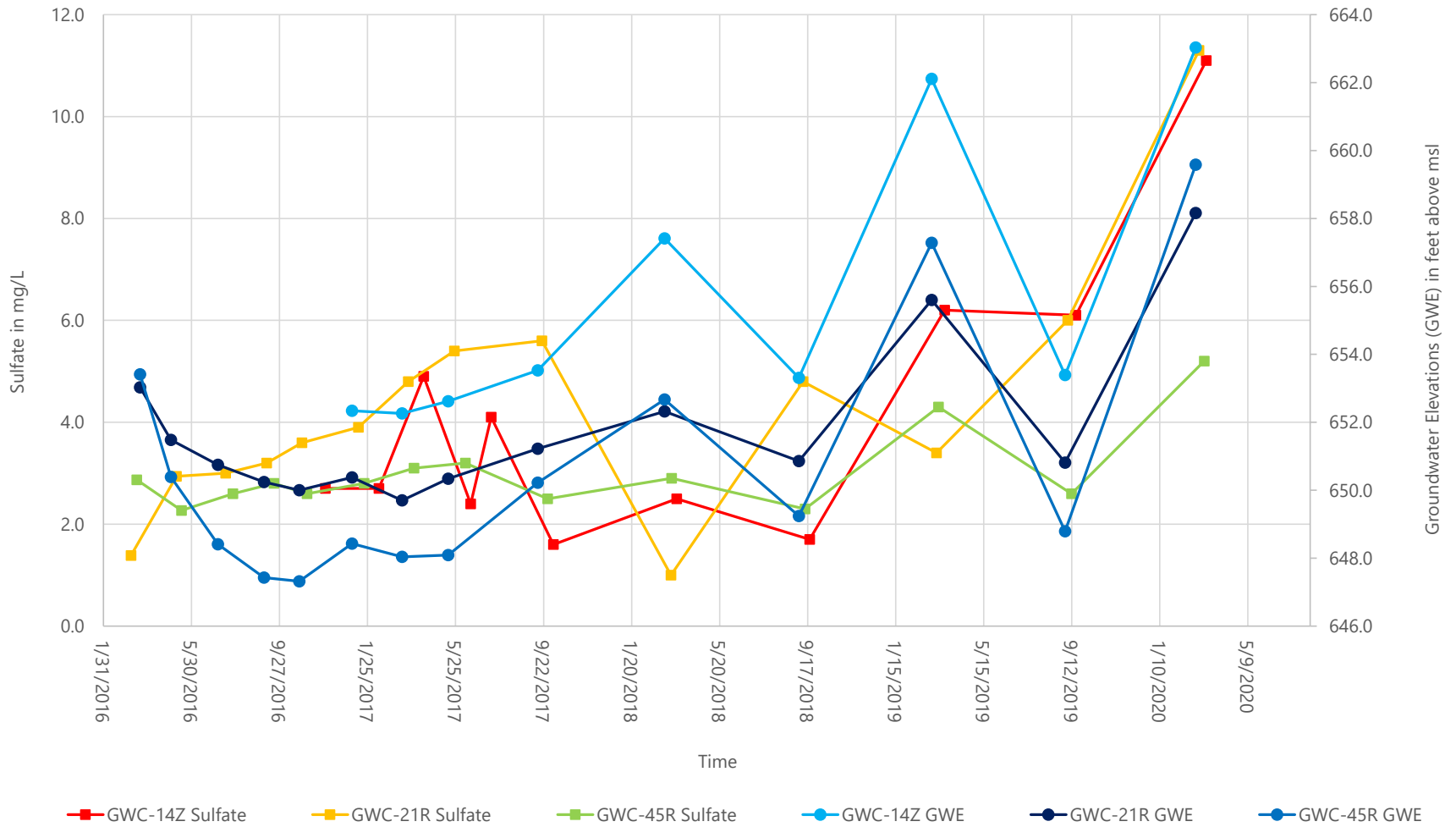


Figure 15: TDS in Wells GWC-45, GWC-45R, and GWC-48 Compared to Upgradient Wells

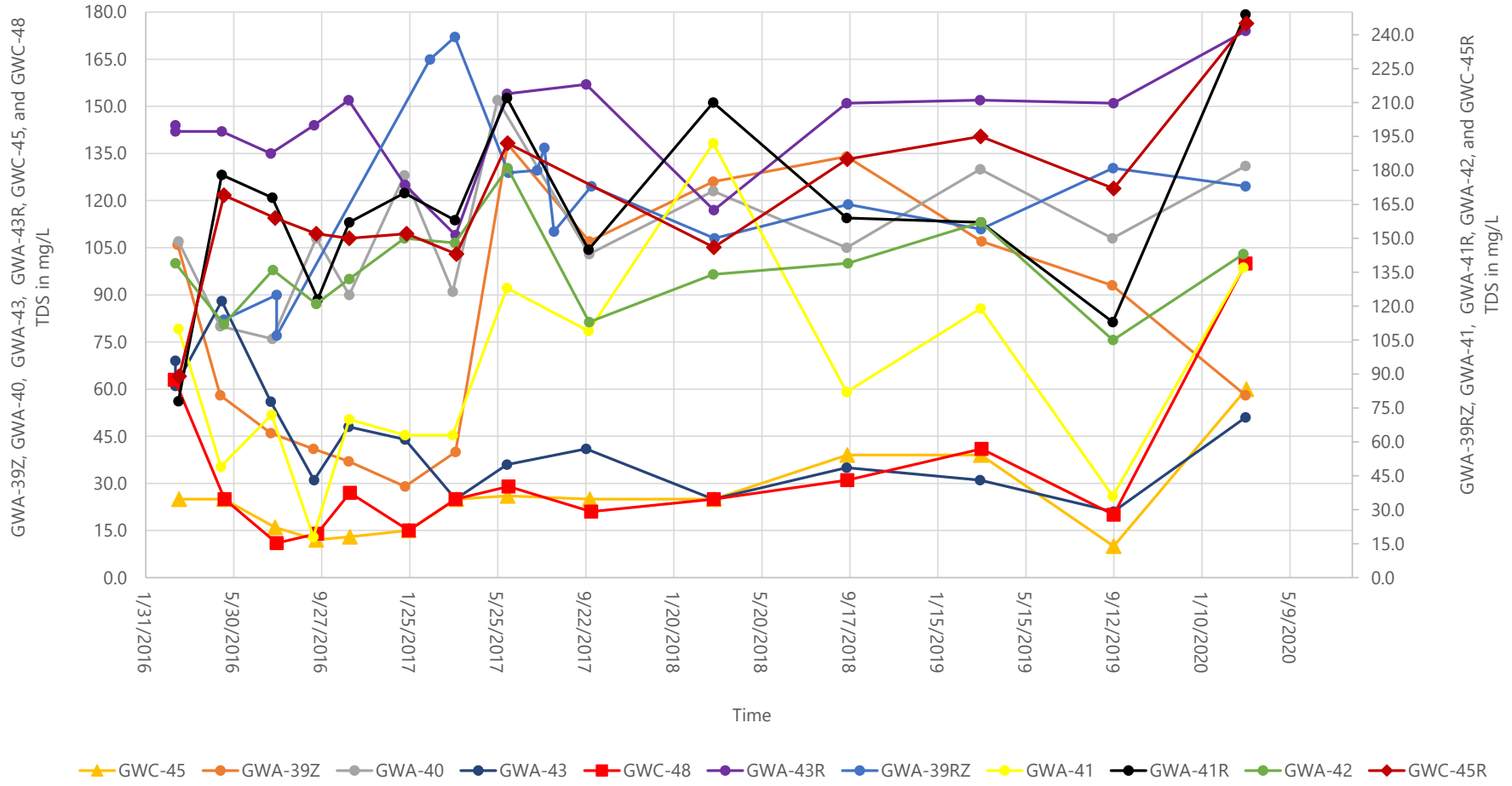
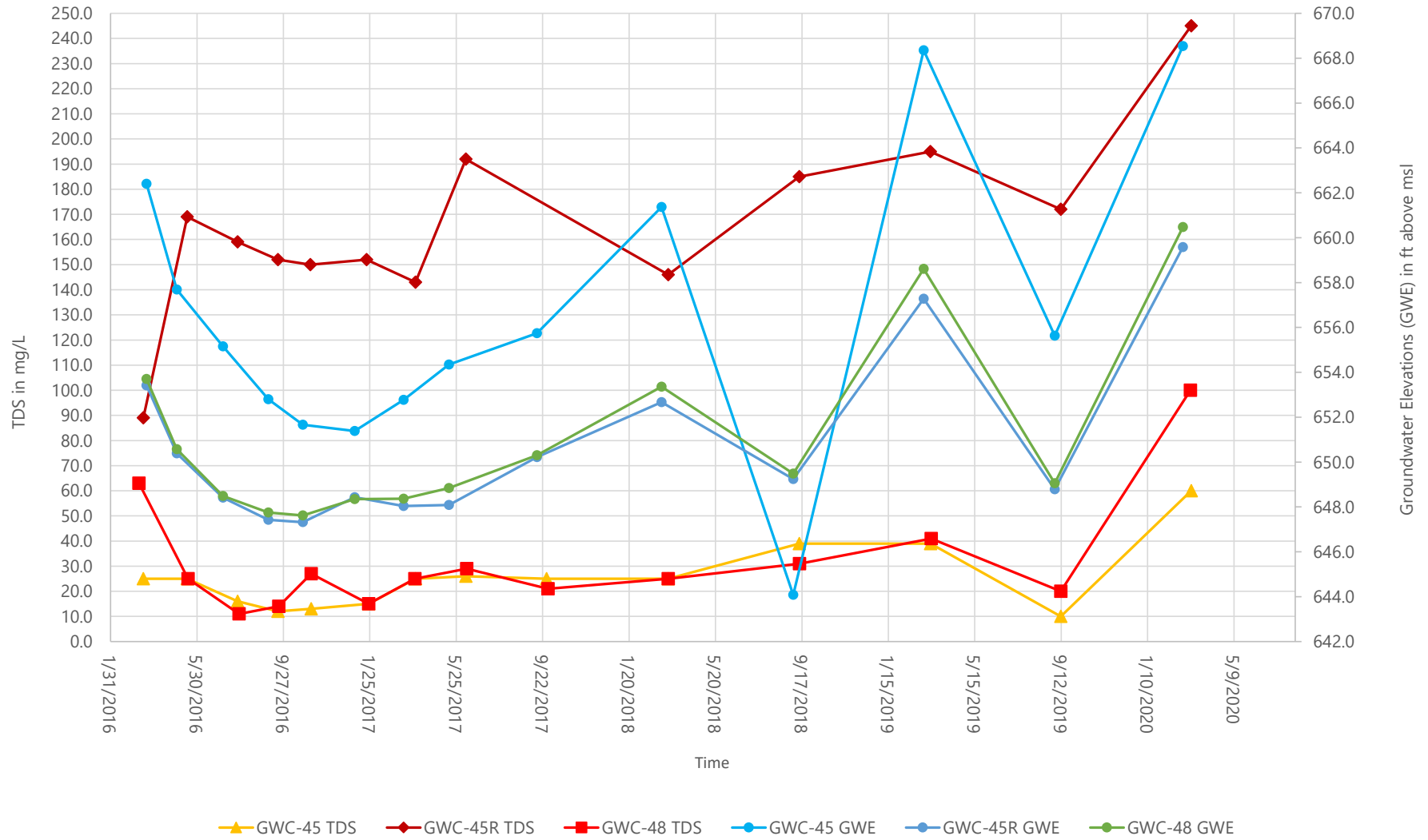


Figure 16: TDS and Groundwater Elevations



APPENDIX A

USGS REGIONAL DATA

Organization Identifier	Organization Formal Name	Monitoring Location Identifier	Monitoring Location Name	Monitoring Location Type Name	Monitoring Location Description Text	HUC Eight Digit Code	Drainage Area Measure/ Measure Value
USGS-GA	USGS Georgia Water Science Center	USGS-340842084470701	07HH04	Well		3150104	
USGS-GA	USGS Georgia Water Science Center	USGS-340903084470801	07HH01	Well		3150104	
USGS-GA	USGS Georgia Water Science Center	USGS-340903084471101	07HH06	Well		3150104	
USGS-GA	USGS Georgia Water Science Center	USGS-340935084461201	07HH02	Well		3150104	
USGS-GA	USGS Georgia Water Science Center	USGS-340946084424701	08HH01	Well		3150104	
USGS-GA	USGS Georgia Water Science Center	USGS-341045084490301	07HH03	Well		3150104	
USGS-GA	USGS Georgia Water Science Center	USGS-341407084562501	06HH01	Well		3150104	

Drainage Area Measure/Measure Unit Code	Contributing Drainage Area Measure/Measure	Contributing Drainage Area Measure/Measure	Latitude Measure	Longitude Measure	Source Map Scale Numeric	Horizontal Accuracy Measure/Measure	Horizontal Accuracy Measure/Measure
			34.1450977	-84.7857712	24000		5 seconds
			34.1495421	-84.7854934	24000		5 seconds
			34.1525975	-84.7896602	24000		5 seconds
			34.1598197	-84.7699373	24000		5 seconds
			34.1628752	-84.7129911	24000		1 minutes
			34.1792634	-84.8174388	24000		5 seconds
			34.2353725	-84.9402207	24000		1 minutes

Horizontal Collection Method Name	Horizontal Coordinate Reference System	Vertical Measure/Measure Value	Vertical Measure/Measure Unit Code	Vertical Accuracy Measure/Measure Value	Vertical Accuracy Measure/Measure Unit Code	Vertical Collection Method Name	Vertical Coordinate Reference System
Interpolated from MAP.	NAD83	688	feet	10	feet	Interpolated from topographic map.	NGVD29
Interpolated from MAP.	NAD83	715	feet	10	feet	Interpolated from topographic map.	NGVD29
Interpolated from MAP.	NAD83	711	feet	10	feet	Interpolated from topographic map.	NGVD29
Interpolated from MAP.	NAD83	730	feet	10	feet	Interpolated from topographic map.	NGVD29
Interpolated from MAP.	NAD83	873	feet	10	feet	Interpolated from topographic map.	NGVD29
Interpolated from MAP.	NAD83	715	feet	10	feet	Interpolated from topographic map.	NGVD29
Interpolated from MAP.	NAD83	708	feet	10	feet	Interpolated from topographic map.	NGVD29

Country Code	StateCode	County Code	Aquifer Name	Formation Type Text	Aquifer Type Name	ConstructionDate Text	Well Depth Measure/Measure Value
US	13	15	Piedmont and Blue Ridge crystalline-rock aquifers	Crystalline Rocks	Confined single aquifer	19580101	115
US	13	15	Piedmont and Blue Ridge crystalline-rock aquifers	Crystalline Rocks	Confined single aquifer	19400101	300
US	13	15	Piedmont and Blue Ridge crystalline-rock aquifers	Crystalline Rocks	Confined single aquifer	19591028	110
US	13	15	Piedmont and Blue Ridge crystalline-rock aquifers	Crystalline Rocks	Confined single aquifer	19440101	140
US	13	15	Piedmont and Blue Ridge crystalline-rock aquifers	Crystalline Rocks	Confined single aquifer	19580501	338
US	13	15	Piedmont and Blue Ridge crystalline-rock aquifers	Crystalline Rocks	Confined single aquifer	19030101	510
US	13	15	Valley and Ridge aquifers	Paleozoic Erathem	Confined single aquifer	19400101	350

Well Depth Measure/Measure Unit Code	Well Hole Depth Measure/Measure Value	Well Hole Depth Measure/Measure Unit Code	Provide rName
ft			NWIS
ft	300	ft	NWIS
ft	110	ft	NWIS
ft	140	ft	NWIS
ft			NWIS
ft	510	ft	NWIS
ft			NWIS

CharacteristicName	Result Sample Fraction Text	Result MeasureValue	ResultMeasureUnitCode	MeasureQualifierCode	ResultStat usIdentifie r	Statistical BaseCode	ResultValu eTypeNa me	ResultWei ghtBasisT ext	ResultTim eBasisText	ResultTem peratureB asisText	ResultPart icleSizeBa sisText	PrecisionV alue	DataQuali ty/BiasVal ue	Confidenc eIntervalV alue	UpperCon fidenceLi mitValue	LowerCon fidenceLi mitValue	ResultCo mmentTe xt
True color	Dissolved	5	PCU		Accepted		Actual										
pH	Total	7.4	std units		Accepted		Actual										
Specific conductance	Total	237	uS/cm @25C		Accepted		Actual			25 deg C							
Temperature, water		16	deg C		Accepted		Actual										
Hardness, Ca, Mg		130	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	8	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	27	mg/l		Accepted		Actual										
Magnesium	Dissolved	15	mg/l		Accepted		Actual										
Potassium	Dissolved	1.1	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0.1	None		Accepted		Actual										
Sodium, percent total cations		6	%		Accepted		Actual										
Sodium	Dissolved	3.5	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	141	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.2	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	147	mg/l		Accepted		Actual			180 deg C							
True color	Dissolved	1	PCU		Accepted		Actual										
pH	Total	7.4	std units		Accepted		Actual										
Specific conductance	Total	301	uS/cm @25C		Accepted		Actual			25 deg C							
Temperature, water		18	deg C		Accepted		Actual										
Hardness, Ca, Mg		180	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	22	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	39	mg/l		Accepted		Actual										
Magnesium	Dissolved	20	mg/l		Accepted		Actual										
Potassium	Dissolved	0.7	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0.1	None		Accepted		Actual										
Sodium, percent total cations		4	%		Accepted		Actual										
Sodium	Dissolved	3.8	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	189	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.25	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	182	mg/l		Accepted		Actual			180 deg C							
True color	Dissolved	3	PCU		Accepted		Actual										
pH	Total	8	std units		Accepted		Actual										
Specific conductance	Total	244	uS/cm @25C		Accepted		Actual			25 deg C							
Hardness, Ca, Mg		110	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	10	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	26	mg/l		Accepted		Actual										
Magnesium	Dissolved	12	mg/l		Accepted		Actual										
Potassium	Dissolved	0.7	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0.3	None		Accepted		Actual										
Sodium, percent total cations		11	%		Accepted		Actual										
Sodium	Dissolved	6.6	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	140	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.2	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	146	mg/l		Accepted		Actual			180 deg C							
True color	Dissolved	0	PCU		Accepted		Actual										
pH	Total	8.2	std units		Accepted		Actual										
Specific conductance	Total	370	uS/cm @25C		Accepted		Actual			25 deg C							
Hardness, Ca, Mg		170	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	24	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	58	mg/l		Accepted		Actual										
Magnesium	Dissolved	5.6	mg/l		Accepted		Actual										

USGSPCode	ResultDepthHeightMeasure/MeasureValue	ResultDepthHeightMeasure/MeasureUnitCode	ResultDepthAltitudeReferencePointText	ResultSamplingPointName	BiologicalIntentName	BiologicalIndividualIdentifier	SubjectTaxonomicName	UnidentifiedSpeciesIdentifier	SampleTissueAnatomyName	GroupSummaryCountWeight/MeasureValue	GroupSummaryCountWeight/MeasureUnitCode	CellFormName	CellShapeName	HabitName	VoltismName	TaxonomicPollutionTolerance	TaxonomicPollutionScaleText	TrophicLevelName	FunctionalFeedingGroupName	TaxonomicDetailsCitation/ResourceTitleName	TaxonomicDetailsCitation/ResourceCreatorName	TaxonomicDetailsCitation/ResourceSubjectText	
80																							
400																							
95																							
10																							
900																							
902																							
915																							
925																							
935																							
931																							
932																							
930																							
70301																							
70303																							
70300																							
80																							
400																							
95																							
10																							
900																							
902																							
915																							
925																							
935																							
931																							
932																							
930																							
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70300																							
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400																							
95																							
900																							
902																							
915																							
925																							
935																							
931																							
932																							
930																							
70301																							
70303																							
70300																							
80																							
400																							
95																							
900																							
902																							
915																							
925																							

CharacteristicName	Result Sample Fraction Text	Result MeasureV alue	ResultMeasur e/MeasureUn itCode	MeasureQ ualifierCode	ResultStat usIdentifie r	Statistical BaseCode	ResultValu eTypeNa me	ResultWei ghtBasisT ext	ResultTim eBasisText	ResultTem peratureB asisText	ResultPart icleSizeBa sisText	PrecisionV alue	DataQuali ty/BiasVal ue	Confidenc eIntervalV alue	UpperCon fidenceLi mitValue	LowerCon fidenceLi mitValue	ResultCo mmentTe xt
Potassium	Dissolved	0.7	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0.4	None		Accepted		Actual										
Sodium, percent total cations		12	%		Accepted		Actual										
Sodium	Dissolved	11	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	230	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.33	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	240	mg/l		Accepted		Actual		180 deg C								
True color	Dissolved	0	PCU		Accepted		Actual										
pH	Total	6.5	std units		Accepted		Actual										
Specific conductance	Total	244	uS/cm @25C		Accepted		Actual		25 deg C								
Temperature, water		17	deg C		Accepted		Actual										
Hardness, Ca, Mg		140	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	13	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	29	mg/l		Accepted		Actual										
Magnesium	Dissolved	16	mg/l		Accepted		Actual										
Potassium	Dissolved	1	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0.2	None		Accepted		Actual										
Sodium, percent total cations		6	%		Accepted		Actual										
Sodium	Dissolved	4.2	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	152	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.19	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	136	mg/l		Accepted		Actual		180 deg C								
Temperature, water		20.5	deg C		Accepted		Actual										
Total dissolved solids	Dissolved	0.16	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	116	mg/l		Accepted		Actual		180 deg C								
pH	Total	6.4	std units		Accepted		Actual										
Specific conductance	Total	211	uS/cm @25C		Accepted		Actual		25 deg C								
Temperature, water		16.5	deg C		Accepted		Actual										
Total dissolved solids	Dissolved	0.17	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	126	mg/l		Accepted		Actual		180 deg C								
True color	Dissolved	3	PCU		Accepted		Actual										
pH	Total	6.4	std units		Accepted		Actual										
Specific conductance	Total	66	uS/cm @25C		Accepted		Actual		25 deg C								
Hardness, Ca, Mg		22	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	0	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	6.8	mg/l		Accepted		Actual										
Magnesium	Dissolved	1.2	mg/l		Accepted		Actual										
Potassium	Dissolved	2.4	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0.3	None		Accepted		Actual										
Sodium, percent total cations		22	%		Accepted		Actual										
Sodium	Dissolved	3.3	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	60	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.09	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	65	mg/l		Accepted		Actual		180 deg C								
True color	Dissolved	5	PCU		Accepted		Actual										
pH	Total	7.7	std units		Accepted		Actual										
Specific conductance	Total	254	uS/cm @25C		Accepted		Actual		25 deg C								
Hardness, Ca, Mg		130	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	12	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	27	mg/l		Accepted		Actual										
Magnesium	Dissolved	16	mg/l		Accepted		Actual										

USGSPCode	ResultDepthHeightMeasure/MeasureValue	ResultDepthHeightMeasure/MeasureUnitCode	ResultDepthAltitudeReferencePointText	ResultSamplingPointName	BiologicalIntentName	BiologicalIndividualIdentifier	SubjectTaxonomicName	UnidentifiedSpeciesIdentifier	SampleTissueAnatomyName	GroupSummaryCount/MeasureValue	GroupSummaryCount/MeasureUnitCode	CellFormName	CellShapeName	HabitName	VoltismName	TaxonomicPollutionTolerance	TaxonomicPollutionToleranceScaleText	TrophicLevelName	FunctionalFeedingGroupName	TaxonomicDetailsCitation/ResourceTitleName	TaxonomicDetailsCitation/ResourceCreatorName	TaxonomicDetailsCitation/ResourceSubjectText	
935																							
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CharacteristicName	Result Sample Fraction Text	Result MeasureValue	ResultMeasure/MeasureUnitCode	MeasureQualifierCode	ResultStat usIdentifie r	Statistical BaseCode	ResultValu eTypeNa me	ResultWei ghtBasisT ext	ResultTim eBasisText	ResultTem peratureB asisText	ResultPart icleSizeBa sisText	PrecisionV alue	DataQuali ty/BiasVal ue	Confidenc eIntervalV alue	UpperCon fidenceLi mitValue	LowerCon fidenceLi mitValue	ResultCo mmentTe xt
Potassium	Dissolved	0.7	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0.1	None		Accepted		Actual										
Sodium, percent total cations		4	%		Accepted		Actual										
Sodium	Dissolved	2.9	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	143	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.21	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	153	mg/l		Accepted		Actual			180 deg C							
Specific conductance	Total	222	uS/cm @25C		Accepted		Actual			25 deg C							
True color	Dissolved	3	PCU		Accepted		Actual										
pH	Total	7.4	std units		Accepted		Actual										
Specific conductance	Total	255	uS/cm @25C		Accepted		Actual			25 deg C							
Temperature, water		17.5	deg C		Accepted		Actual										
Hardness, Ca, Mg		140	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	17	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	30	mg/l		Accepted		Actual										
Magnesium	Dissolved	16	mg/l		Accepted		Actual										
Potassium	Dissolved	1	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0.1	None		Accepted		Actual										
Sodium, percent total cations		5	%		Accepted		Actual										
Sodium	Dissolved	3.5	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	150	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.22	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	162	mg/l		Accepted		Actual			180 deg C							
Specific conductance	Total	70	uS/cm @25C		Accepted		Actual			25 deg C							
Temperature, water		20.5	deg C		Accepted		Actual										
Total dissolved solids	Dissolved	0.17	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	128	mg/l		Accepted		Actual			180 deg C							
True color	Dissolved	1	PCU		Accepted		Actual										
pH	Total	7.3	std units		Accepted		Actual										
Specific conductance	Total	224	uS/cm @25C		Accepted		Actual			25 deg C							
Temperature, water		16.5	deg C		Accepted		Actual										
Hardness, Ca, Mg		130	mg/l CaCO3		Accepted		Actual										
Hardness, non-carbonate	Total	2	mg/l CaCO3		Accepted		Actual										
Calcium	Dissolved	27	mg/l		Accepted		Actual										
Magnesium	Dissolved	15	mg/l		Accepted		Actual										
Potassium	Dissolved	1.3	mg/l		Accepted		Actual										
Sodium adsorption ratio [(Na)/(sq root of 1/2 Ca + Mg)]		0	None		Accepted		Actual										
Sodium, percent total cations		1	%		Accepted		Actual										
Sodium	Dissolved	0.8	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	137	mg/l		Accepted		Actual										
Total dissolved solids	Dissolved	0.18	tons/ac ft		Accepted		Actual										
Total dissolved solids	Dissolved	129	mg/l		Accepted		Actual			180 deg C							

USGSPCode	ResultDepthHeightMeasure/MeasureValue	ResultDepthHeightMeasure/MeasureUnitCode	ResultDepthAltitudeReferencePointText	ResultSamplingPointName	BiologicalIntentName	BiologicalIndividualIdentifier	SubjectTaxonomicName	UnidentifiedSpeciesIdentifier	SampleTissueAnatomyName	GroupSummaryCount/MeasureValue	GroupSummaryCount/MeasureUnitCode	CellFormName	CellShapeName	HabitName	VoltismName	TaxonomicPollutionTolerance	TaxonomicPollutionToleranceScaleText	TrophicLevelName	FunctionalFeedingGroupName	TaxonomicDetailsCitation/ResourceTitleName	TaxonomicDetailsCitation/ResourceCreatorName	TaxonomicDetailsCitation/ResourceSubjectText	
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Organization Identifier	Organization Formal Name	Activity Identifier	Activity Start Date	Activity Start Time/Time Zone Code	Activity Start Time/Time Zone Code	Monitoring Location Identifier	Result Identifier	Data Logger Line	Result Detection Condition Text	Method Specification Name	Characteristic Name
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420937				True color
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420939				pH
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420940				Specific conductance
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420941				Hardness, Ca, Mg
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420942				Hardness, non-carbonate
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420943				Calcium
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420944				Magnesium
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420945				Potassium
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420946				Sodium adsorption ratio $[(Na)/(sq\ root\ of\ 1/2\ Ca + Mg)]$
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420947				Sodium, percent total cations
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420948				Sodium
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420956				Total dissolved solids
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420957				Total dissolved solids
USGS-GA	USGS Georgia Water Science Center	nwisga.01.97101426	4/27/1971	11:10:00	EST	USGS-341407084562501	NWIS-85420958				Total dissolved solids

ResultSampleFractionText	ResultMeasureValue	ResultMeasure/MeasureUnitCode	MeasureQualifierCode	ResultStatusIdentifier	StatisticalBaseCode	ResultValueTypeName	ResultWeightBasisText	ResultTimeBasisText	ResultTemperatureBasisText	ResultParticleSizeBasisText	PrecisionValue	DataQuality/BiasValue	ConfidenceIntervalValue	UpperConfidenceLimitValue	LowerConfidenceLimitValue	ResultCommentText	USGSPCode	ResultDepthHeightMeasureValue
Dissolved	0	PCU		Accepted		Actual											80	
Total	8.2	std units		Accepted		Actual											400	
Total	370	uS/cm @25C		Accepted		Actual			25 deg C								95	
	170	mg/l CaCO3		Accepted		Actual											900	
Total	24	mg/l CaCO3		Accepted		Actual											902	
Dissolved	58	mg/l		Accepted		Actual											915	
Dissolved	5.6	mg/l		Accepted		Actual											925	
Dissolved	0.7	mg/l		Accepted		Actual											935	
	0.4	None		Accepted		Actual											931	
	12	%		Accepted		Actual											932	
Dissolved	11	mg/l		Accepted		Actual											930	
Dissolved	230	mg/l		Accepted		Actual											70301	
Dissolved	0.33	tons/ac ft		Accepted		Actual											70303	
Dissolved	240	mg/l		Accepted		Actual			180 deg C								70300	